MINUTES
TOWN OF AMHERST
AMHERST PLANNING BOARD MEETING
November 21, 2024
6:30 PM

The Planning Board will hold a public work session at 6:00PM in the Amherst Municipal Building, 5583 Main Street, Williamsville, NY 14221 on the same date.

This meeting is being video recorded.

ROLL CALL

Attendee Name	Organization	Title	Status	Arrived
Michael Chmiel	Town of Amherst	Chair	Present	
John B. Davis	Town of Amherst	Board Member	Present	
Harbinder Gill	Town of Amherst	Board Member	Present	
Dal Giuliani	Town of Amherst	Board Member	Absent	
Carrie H. Kahn	Town of Amherst	Board Member	Present	
Brittany Lee Penberthy	Town of Amherst	Board Member	Present	
Joseph P. Raffaele Jr.	Town of Amherst	Board Member	Present	
Dan Howard	Town of Amherst	Planning Director	Present	
Daniel J. Ulatowski	Town of Amherst	Assistant Planning Director/ZEO	Present	
Gary Palumbo	Town of Amherst	Associate Planner	Present	
James Quinn	Town of Amherst	Assistant Planner	Present	
Amy Carrato	Town of Amherst	Community Development Assistant	Present	

Samuel A. Alba	Town of Amherst	Interim Town Attorney	Present	
Jacqualine Berger	Town of Amherst	Councilmember	Present	

Note: There will be no public hearing or opportunity to speak for the projects listed under the Unfinished Business section of this agenda.

Please note the following time limits for speakers at public hearings:

- **Presentation by Petitioner: 15 minutes**
- **Rebuttal by neighborhood/resident spokesperson: 15 minutes**
- **Individual speakers: 3 minutes**

PUBLIC HEARINGS

SITE PLANS & RELIEF FROM CONDITIONS OF SITE PLANS

1. PROPOSED OFFICE BUILDING - PARKING EXPANSION, SP-2019-13_A
Property located at 580 Crosspoint Pkwy., 3750 Millersport Hwy. and 2360 Hopkins Rd. (portion)
Citigroup Technology Inc., Petitioner

Proposed 491 space parking lot expansion on the 7.9 ac parcel at 3750 Millersport Highway for the existing Citigroup buildings at 580 Crosspoint Pkwy. The parcels at 3750 Millersport Highway and 3750 Millersport Highway and 2360 Hopkins Road (portion) will be merged. This is to provide parking for employees being relocated from other location to the site at 580 Crosspoint Parkway. The petitioner is also requesting a waiver of required sidewalks along Hopkins Road and Millersport Highway.

Corey Auerbach, Esq., Barclay Damon LLC, represented the petitioner, explained the proposal and was available to answer questions from the Board. Janna Jachniewics, Citigroup Technology Inc., and engineers from Ware Malcomb were also present.

In response to the Board's questions, Mr. Auerbach stated the petitioner is open to work with the Planning Department on the landscaping along Millersport Highway.

James Zappa, 43 Fawn Meadows Ct.; Emma Byrd, 2289 Hopkins Road; and Jane Smith, no address disclosed, spoke in opposition to certain aspects of the proposal.

No further comments were heard on this proposal. The hearing was closed.

Following discussion, Ms. Penberthy moved to approve the Negative Declaration. The motion was seconded by Ms. Kahn and carried. Ayes 6, Noes 0, Absent 1 (Giuliani).

Following the approval of the Negative Declaration, Mr. Gill moved to approve the Sidewalk Waiver request based on the resolution. The motion was seconded by Ms. Penberthy and carried. Ayes 6, Noes 0, Absent 1 (Giuliani).

Following the approval of the Sidewalk Waiver request, Ms. Penberthy moved to approve the request based on the resolution. The motion was seconded by Mr. Raffaele and carried. Ayes 6, Noes 0, Absent 1 (Giuliani).

RESULT:	**APPROVED [UNANIMOUS]**
MOVER:	Brittany Lee Penberthy, Board Member
SECONDER:	Joseph P. Raffaele Jr., Board Member
AYES:	Chmiel, Davis, Gill, Kahn, Penberthy, Raffaele Jr.
ABSENT:	Giuliani

SUBDIVISIONS & RELIEF FROM CONDITIONS OF SUBDIVISIONS

2. PROPOSED SKETCH PLAN FOR A 19-LOT SUBDIVISION "DODGE ROAD SUBDIVISION", SUB-2024-02_SK
Property located at 1789 Dodge Road
Joseph Rubino, Petitioner

Proposal to subdivide 6.7± acres of land into 18 sub-lots, 3 of the lots are for permanent open space and drainage.

October 17, 2024

Sean Hopkins, Esq., Hopkins Sorgi & McCarthy, represented the petitioner, explained the proposal and was available to answer questions from the Board. Joe Rubino and Daniel LaPietra, Carmina Wood Design, were also present.

In response to the Board's questions, Mr. Hopkins stated there will be fencing along a portion of the north and south property line, a meeting with the neighbors will take place during the preliminary plat phase, and that a larger sidewalk area could be installed on Dodge Road for students waiting for the school bus.

William Pitz, 1815 Dodge Rd.; Sandy Mack, 1790 Dodge Road; Nancy Fender, 101 Main St.; and Cheryl Anastasia, 1816 Dodge Road spoke in opposition of the proposal.

No further comments were heard on this proposal. The hearing was closed.

Following discussion, Mr. Giuliani moved to approve the request based on the resolution. The motion was seconded by Mr. Davis and failed. Ayes 3, Noes 2 (Penberthy, Raffaele), Absent 2 (Gill, Kahn).

Following discussion, Ms. Penberthy moved to adjourn the request until the November Planning Board meeting. The motion was seconded by Mr. Giuliani and passed. Ayes 5, Noes 0, Absent 2 (Gill, Kahn).

Following discussion, Ms. Penberthy moved to keep the public hearing open at the November Planning Board meeting. The motion was seconded by Mr. Giuliani and passed. Ayes 5, Noes 0, Absent 2 (Gill, Kahn).

November 21, 2024

Sean Hopkins, Esq., Hopkins Sorgi & McCarthy, represented the petitioner, explained the proposal and was available to answer questions from the Board. Joe Rubino was also present.

In response to the Board's questions, Mr. Hopkins stated this project's zoning district is a different zoning district than Glen Meadows subdivision, the proposal exceeds the zoning regulations including the emphasis on protecting existing vegetation along the perimeter of the site and the parcels that are currently zoned SA don't comply with the Comprehensive Plan.

William Pitz, 1815 Dodge Rd.; Sandy Mack, 1790 Dodge Road; Nancy Fender, 101 Main St.; Cheryl Anastasia, 1816 Dodge Road; and Lisa Rockwell, 1765 Dodge Road spoke in opposition of the proposal.

Following discussion, Ms. Penberthy moved to approve the request amending the resolution to limit the number of buildable lots to 13. The motion was seconded by Mr. Raffaele and passed. Ayes 5, Noes 1 (Gill), Absent 1 (Giuliani).

RESULT:	**APPROVED [5 TO 1]**
MOVER:	Brittany Lee Penberthy, Board Member
SECONDER:	Joseph P. Raffaele Jr., Board Member
AYES:	Chmiel, Davis, Kahn, Penberthy, Raffaele Jr.
NAYS:	Gill
ABSENT:	Giuliani

REZONING & RELIEF FROM CONDITIONS OF REZONINGS

None

MISCELLANEOUS

3. REQUEST TO AMEND FIGURE 6 OF THE BICENTENNIAL COMPREHENSIVE PLAN FROM "RECREATION, OPEN SPACE & GREENWAYS" TO "MEDIUM RESIDENTIAL" FOR 62± ACRES OF LAND, BCPA-2024-02
Property located at 1790, 1860 & 1920 North French Road & 999 Campbell Boulevard (portion)
SBLC Development Corporation, Petitioner

Proposal to amend the Bicentennial Comprehensive Plan to change the land use designation on Figure 6 from "Recreation, Open Space & Greenways" and "Medium Residential" to allow for the potential future rezoning of the site to Multi-family Residential District-Five and construction of a mixed residential project consisting of 57 townhome style units with attached garages, 36 lots for detached single family homes and 32 multifamily units (89 total units) and all related site improvements including roadways, stormwater management, landscaping, lighting, utility improvements and connections.

Sean Hopkins, Esq., Hopkins Sorgi & McCarthy, represented the petitioner, explained the proposal and was available to answer questions from the Board. Elliott Lasky and Don Griebner were also present.

In response to the Board's questions, Mr. Griebner gave the Board a handout and discussed the economic viability of the parcel, stated the proposed parcel is not feasible for the RD zoning district and Mr. Hopkins stated his client has worked with the Town Supervisor on developing this parcel.

No further comments were heard on this proposal. The hearing was closed.

Following discussion, Ms. Penberthy moved to deny the request based on the resolution. The motion was seconded by Mr. Raffaele and passed. Ayes 4, Noes 2 (Chmiel, Kahn), Absent 1 (Giuliani).

RESULT:	**DENIED [4 TO 2]**
MOVER:	Brittany Lee Penberthy, Board Member
SECONDER:	Harbinder Gill, Board Member
AYES:	Davis, Gill, Penberthy, Raffaele Jr.
NAYS:	Chmiel, Kahn
ABSENT:	Giuliani

OTHER COMMUNICATIONS

None

All public hearings are completed and closed at the termination of public discussion for each agenda item unless otherwise specified by the Chair.

UNFINISHED BUSINESS

Note: All public hearings have been completed. There will be no public hearings for items listed under this section.

SITE PLANS & RELIEF FROM CONDITIONS OF SITE PLANS

None

SUBDIVISIONS & RELIEF FROM CONDITIONS OF SUBDIVISIONS

None

REZONING & RELIEF FROM CONDITIONS OF REZONINGS

None

MISCELLANEOUS

None

OTHER COMMUNICATIONS

None

DIRECTOR'S REPORT

MINUTES APPROVAL

October 17, 2024
Ms. Penberthy moved to approve the minutes. The motion was seconded by Mr. Raffaele and carried. Ayes 6, Noes 0, Absent 1 (Giuliani).

ADJOURNMENT

Ms. Penberthy moved to adjourn the meeting. The motion was seconded by Mr. Chmiel and carried. Ayes 6, Noes 0, Absent 1 (Giuliani). The Planning Board meeting November 22, 2024 was adjourned at 8:30 pm.

Amherst Planning Board
5583 Main Street
Williamsville, NY 14221

Meeting: 11/21/24 06:30 PM
Department: Planning
Category: Site Plan and Relief from Conditions of Site Plan
Prepared By: Amy Carrato
Initiator: Dan Howard
Sponsors:
DOC ID: 29459 A

ADOPTED

PLANNING BOARD ITEM (ID # 29459)

Proposed Office Building - Parking Expansion, SP-2019-13_A

Property located at 580 Crosspoint Pkwy., 3750 Millersport Hwy. and 2360 Hopkins Rd. (portion)
Citigroup Technology Inc., Petitioner

Proposed 491 space parking lot expansion on the 7.9 ac parcel at 3750 Millersport Highway for the existing Citigroup buildings at 580 Crosspoint Pkwy. The parcels at 3750 Millersport Highway and 3750 Millersport Highway and 2360 Hopkins Road (portion) will be merged. This is to provide parking for employees being relocated from other location to the site at 580 Crosspoint Parkway. The petitioner is also requesting a waiver of required sidewalks along Hopkins Road and Millersport Highway.

Corey Auerbach, Esq., Barclay Damon LLC, represented the petitioner, explained the proposal and was available to answer questions from the Board. Janna Jachniewics, Citigroup Technology Inc., and engineers from Ware Malcomb were also present.

In response to the Board's questions, Mr. Auerbach stated the petitioner is open to work with the Planning Department on the landscaping along Millersport Highway.

James Zappa, 43 Fawn Meadows Ct.; Emma Byrd, 2289 Hopkins Road; and Jane Smith, no address disclosed, spoke in opposition to certain aspects of the proposal.

No further comments were heard on this proposal. The hearing was closed.

Following discussion, Ms. Penberthy moved to approve the Negative Declaration. The motion was seconded by Ms. Kahn and carried. Ayes 6, Noes 0, Absent 1 (Giuliani).

Following the approval of the Negative Declaration, Mr. Gill moved to approve the Sidewalk Waiver request based on the resolution. The motion was seconded by Ms. Penberthy and carried. Ayes 6, Noes 0, Absent 1 (Giuliani).

Following the approval of the Sidewalk Waiver request, Ms. Penberthy moved to approve the request based on the resolution. The motion was seconded by Mr. Raffaele and carried. Ayes 6, Noes 0, Absent 1 (Giuliani).

ATTACHMENTS:

- SP-2019-13A_application_112124 (PDF)
- SP-2019-13A_drawings_112124 (PDF)
- SP-2019-13A signed neg dec 112124 (PDF)
- SP-2019-13A signed resolution 112124 (PDF)

RESULT:	**APPROVED [UNANIMOUS]**
MOVER:	Brittany Lee Penberthy, Board Member
SECONDER:	Joseph P. Raffaele Jr., Board Member
AYES:	Chmiel, Davis, Gill, Kahn, Penberthy, Raffaele Jr.
ABSENT:	Dal Giuliani

TOWN OF AMHERST PLANNING DEPARTMENT

Application for Major Site Plan Review

For Official Use

File #: _____ **Acreage** _____ **Fee $** _____

Address Verified by Assessor's Office _____ VERIFIED BY DATE

Materials Received by Planning Department _____ RECEIVED BY DATE

Fee Paid to Town Clerk _____ RECEIVED BY DATE

Site Plan Review		Fill In Applicable Fees
1 acre or less	$1,250.00	_____
Each additional acre or fraction thereof	$ 650.00/acre	_____
Amendments to Site Plans	$1,200.00	_____
Request for Relief of / Change to Conditions of Site Plan Approval	$1,200.00	_____
Request for Extension of Site Plan Approval	$ 450.00	_____
Stormwater Pollution Prevention Plan		
1 - 4.99 Acres	$ 500.00	_____
5 - 10 Acres	$ 750.00	_____
>10 Acres	$1,000.00	_____
Affidavit Fee for Public Hearing	$ 15.00	_____
	TOTAL FEE:	$_____

To Be Completed By Applicant

Petitioner:

Name: Citigroup Technology Inc

Address: Two Court Square

Long Island City (city) New York (state) 11101 (zip code)

Phone: 718-248-3141 Fax: _____

E Mail: Janna.M.Jachniewics@citi.com

Town of Amherst Planning Department 5583 Main Street Williamsville-NY-14221
(716) 631-7051- Fax: (716) 631-7153

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

MAJOR SITE PLAN APPLICATION (con't) *Page 2*

Representative (Architect, Engineer, Landscape Architect, Surveyor, or Attorney):

Name: Ware Malcomb

Address: 45 W 21ST ST

6TH FLOOR

NEW YORK (city) NEW YORK (state) 10010 (zip code)

Phone: 312-933-0137 Fax: _____

E Mail: EWILKES@WAREMALCOMB.COM

Project Location (must be verified by Town Assessor's Office):

Address: 3750 Millersport Highway & 580 CrossPoint Parkway

SBL No(s): 28.00-1-58.111 & 28.00-1-70.11

Project Name: Citi Crosspoint Parking Expansion

Project Description: The proposed development consists of a 491 space parking lot expansion on 3750 Millersport Highway. The parking lot is a proposed expansion of the existing parking facility which supports the Citigroup office space on 580 Crosspoint Parkway (Lot 70.11). All proposed site improvements are located on 3750 Millersport Highway. Additional improvements include site lighting, landscaping, and drainage infrastructure/ a stormwater management facility. Lots 58.111 & 70.11 are proposed to be merged under separate application.

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

MAJOR SITE PLAN APPLICATION (con't) *Page 3*

If this petition is an amendment to a previously approved site plan, please describe the proposed changes (include type and size of existing structures and number of existing parking spaces):

	existing	proposed	total
Gross Floor Area (non-residential):	156,626 gsf	0	156,626 gsf
Gross Floor Area Residential:	N/A	N/A	N/A
Number of Residential Units:	N/A	N/A	N/A
Number of Parking Spaces:	526	491	1017

Acreage of Parcel: 7.99 acres (Lot 58.111)

(list each parcel separately) 7.99 acres Lot 70.11)

Frontage on Public Roads: Millersport Highway, Crosspoint Parkway and Hopkins Road

(list each road separately)

Existing Zoning District(s) Office Building OB (Lot 58.111) & Research & Development RD (Lot 70.11)

Town of Amherst Planning Department, 5583 Main Street, Williamsville, NY 14221
(716) 631-7051; Fax: (716) 631-7153; Web: www.amherst.ny.us

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

PROPERTY OWNER CONSENT

I, CITIGROUP TECHNOLOGY INC, THE PROPERTY OWNER, CONSENT TO THE ATTACHED APPLICATION FOR 3750 MILLERSPORT HIGH .

PRINT NAME: Jon Taubes

SIGNATURE:

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

Full Environmental Assessment Form
Part 1 - Project and Setting

Instructions for Completing Part 1

Part 1 is to be completed by the applicant or project sponsor. Responses become part of the application for approval or funding, are subject to public review, and may be subject to further verification.

Complete Part 1 based on information currently available. If additional research or investigation would be needed to fully respond to any item, please answer as thoroughly as possible based on current information; indicate whether missing information does not exist, or is not reasonably available to the sponsor; and, when possible, generally describe work or studies which would be necessary to update or fully develop that information.

Applicants/sponsors must complete all items in Sections A & B. In Sections C, D & E, most items contain an initial question that must be answered either "Yes" or "No". If the answer to the initial question is "Yes", complete the sub-questions that follow. If the answer to the initial question is "No", proceed to the next question. Section F allows the project sponsor to identify and attach any additional information. Section G requires the name and signature of the applicant or project sponsor to verify that the information contained in Part 1is accurate and complete.

A. Project and Applicant/Sponsor Information.

Name of Action or Project: CITI - Crosspoint Parking Expansion		
Project Location (describe, and attach a general location map): 3750 Millersport Highway, Amherst, NY 14068		
Brief Description of Proposed Action (include purpose or need): The project consists of a 471 space parking lot expansion to support the existing Citi office space on 580 Crosspoint Parkway. Additional improvements include landscaping, lighting, and stormwater management facilities. The existing 580 Crosspoint Building is connected to the 540 Crosspoint building to the west. Citi has 1,580 employees working at 580 crosspoint and 861 employees working at 540 Crosspoint. Through reciprocal parking agreements from the unified development, all staff within the 540 and 580 buildings currently have access to 526 parking spaces at 580 Crosspoint, 329 parking spaces at 540 Crosspoint, and 420 parking spaces at 500 Crosspoint Parkway. However, the new lease separates 580 Crosspoint Parkway from 540 Crosspoint, and all Citi employees currently at 540 will be moved to 580. Upon termination of the lease, employees in the 580 crosspoint building will only have access to the existing 526 stalls at 580 Crosspoint Parkway. The proposed parking addition is designed to accommodate the employee headcount at 580 Crosspoint and make up for the loss of parking from other areas of the Unified Development.		
Name of Applicant/Sponsor: Citigroup Technology, Inc	Telephone: 718-248-3141 E-Mail: janna.M.jachniewics@citi.com	
Address: Two Court Square		
City/PO: Long Island City	State: NY	Zip Code: 11101
Project Contact (if not same as sponsor; give name and title/role): Jasmine Baker, Project Manager	Telephone: 312-933-0137 E-Mail: Jasmine.Baker@citi.com	
Address: Two Court Square		
City/PO: Long Island City	State: NY	Zip Code: 11101
Property Owner (if not same as sponsor): Citigroup Technology, Inc	Telephone: 718-248-3141 E-Mail: janna.M.jachniewics@citi.com	
Address: Two Court Square		
City/PO: Long Island City	State: NY	Zip Code: 11101

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

B. Government Approvals

B. Government Approvals, Funding, or Sponsorship. ("Funding" includes grants, loans, tax relief, and any other forms of financial assistance.)

Government Entity	If Yes: Identify Agency and Approval(s) Required	Application Date (Actual or projected)
a. City Council, Town Board, or Village Board of Trustees ☐Yes ☑No		
b. City, Town or Village Planning Board or Commission ☑Yes ☐No	Major Site Plan Application	SEPTEMBER 2024
c. City, Town or Village Zoning Board of Appeals ☐Yes ☑No		
d. Other local agencies ☐Yes ☑No		
e. County agencies ☐Yes ☑No	Soil Erosion & Sediment Control	JANUARY 2025
f. Regional agencies ☐Yes ☑No		
g. State agencies ☑Yes ☐No	NYSDEC SWPPP	JANUARY 2025
h. Federal agencies ☐Yes ☑No	USACE Section 404 Permit	JANUARY 2025

i. Coastal Resources.
i. Is the project site within a Coastal Area, or the waterfront area of a Designated Inland Waterway? ☐Yes ☑No

ii. Is the project site located in a community with an approved Local Waterfront Revitalization Program? ☑Yes ☐No

iii. Is the project site within a Coastal Erosion Hazard Area? ☐Yes ☑No

C. Planning and Zoning

C.1. Planning and zoning actions.

Will administrative or legislative adoption, or amendment of a plan, local law, ordinance, rule or regulation be the only approval(s) which must be granted to enable the proposed action to proceed? ☑Yes ☐No

- **If Yes,** complete sections C, F and G.
- **If No,** proceed to question C.2 and complete all remaining sections and questions in Part 1

C.2. Adopted land use plans.

a. Do any municipally- adopted (city, town, village or county) comprehensive land use plan(s) include the site where the proposed action would be located? ☐Yes ☑No

If Yes, does the comprehensive plan include specific recommendations for the site where the proposed action would be located? ☐Yes ☐No

b. Is the site of the proposed action within any local or regional special planning district (for example: Greenway; Brownfield Opportunity Area (BOA); designated State or Federal heritage area; watershed management plan; or other?) ☑Yes ☐No

If Yes, identify the plan(s):

NYS Heritage Areas: West Erie Canal Corridor

c. Is the proposed action located wholly or partially within an area listed in an adopted municipal open space plan, or an adopted municipal farmland protection plan? ☐Yes ☑No

If Yes, identify the plan(s):

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

C.3. Zoning

a. Is the site of the proposed action located in a municipality with an adopted zoning law or ordinance. ☑ Yes ☐ No
If Yes, what is the zoning classification(s) including any applicable overlay district?
OB (Office Building) and RD (Research Development)

b. Is the use permitted or allowed by a special or conditional use permit? ☑ Yes ☐ No

c. Is a zoning change requested as part of the proposed action? ☐ Yes ☑ No
If Yes,
i. What is the proposed new zoning for the site?

C.4. Existing community services.

a. In what school district is the project site located? Williamsville Central School District

b. What police or other public protection forces serve the project site?
Town of Amherst Police Department

c. Which fire protection and emergency medical services serve the project site?
Getzville Fire District

d. What parks serve the project site?
n/a

D. Project Details

D.1. Proposed and Potential Development

a. What is the general nature of the proposed action (e.g., residential, industrial, commercial, recreational; if mixed, include all components)? Mixed: proposed parking lot for an existing office building.

b. a. Total acreage of the site of the proposed action? 6.47 acres
b. Total acreage to be physically disturbed? 5.34 acres
c. Total acreage (project site and any contiguous properties) owned or controlled by the applicant or project sponsor? 14.47 acres

c. Is the proposed action an expansion of an existing project or use? ☑ Yes ☐ No
i. If Yes, what is the approximate percentage of the proposed expansion and identify the units (e.g., acres, miles, housing units, square feet)? % 93% Units: Parking Spaces

d. Is the proposed action a subdivision, or does it include a subdivision? ☐ Yes ☑ No
If Yes,
i. Purpose or type of subdivision? (e.g., residential, industrial, commercial; if mixed, specify types)
ii. Is a cluster/conservation layout proposed? ☐ Yes ☑ No
iii. Number of lots proposed?
iv. Minimum and maximum proposed lot sizes? Minimum Maximum

e. Will the proposed action be constructed in multiple phases? ☐ Yes ☑ No
i. If No, anticipated period of construction: 6 months
ii. If Yes:
- Total number of phases anticipated
- Anticipated commencement date of phase 1 (including demolition) month year
- Anticipated completion date of final phase month year
- Generally describe connections or relationships among phases, including any contingencies where progress of one phase may determine timing or duration of future phases:

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

f. Does the project include new residential uses? ☐Yes ☑No
If Yes, show numbers of units proposed.

	One Family	Two Family	Three Family	Multiple Family (four or more)
Initial Phase				
At completion of all phases				

g. Does the proposed action include new non-residential construction (including expansions)? ☐Yes ☑No
If Yes,
i. Total number of structures _____
ii. Dimensions (in feet) of largest proposed structure: _____height; _____width; and _____ length
iii. Approximate extent of building space to be heated or cooled: _____ square feet

h. Does the proposed action include construction or other activities that will result in the impoundment of any liquids, such as creation of a water supply, reservoir, pond, lake, waste lagoon or other storage? ☑Yes ☐No
If Yes,
i. Purpose of the impoundment: An above ground infiltration basin is proposed to meet NYSDEC stormwater management requirements.
ii. If a water impoundment, the principal source of the water: ☐ Ground water ☐Surface water streams ☑Other specify:
Surface runnoff from the parking lot will be conveyed to an infiltration basin, to reduced peak runoff rates, and treat water quality volume.
iii. If other than water, identify the type of impounded/contained liquids and their source.
n/a
iv. Approximate size of the proposed impoundment. Volume: 0.27 million gallons; surface area: 0.28 acres
v. Dimensions of the proposed dam or impounding structure: 2.75 height; 5 length
vi. Construction method/materials for the proposed dam or impounding structure (e.g., earth fill, rock, wood, concrete):
Stormwate within the basin will be controlled through a 2.75' tall concrete weir wall, with orifices, within a 5' diameter concrete outlet control structure

D.2. Project Operations

a. Does the proposed action include any excavation, mining, or dredging, during construction, operations, or both? ☐Yes ☑No
(Not including general site preparation, grading or installation of utilities or foundations where all excavated materials will remain onsite)
If Yes:
i .What is the purpose of the excavation or dredging? _____
ii. How much material (including rock, earth, sediments, etc.) is proposed to be removed from the site?
- Volume (specify tons or cubic yards): _____
- Over what duration of time? _____

iii. Describe nature and characteristics of materials to be excavated or dredged, and plans to use, manage or dispose of them.
_____
_____
iv. Will there be onsite dewatering or processing of excavated materials? ☐Yes ☑No
If yes, describe. _____
_____
v. What is the total area to be dredged or excavated? _____ acres
vi. What is the maximum area to be worked at any one time? _____ acres
vii. What would be the maximum depth of excavation or dredging? _____ feet
viii. Will the excavation require blasting? ☐Yes ☑No
ix. Summarize site reclamation goals and plan: _____
_____
_____

b. Would the proposed action cause or result in alteration of, increase or decrease in size of, or encroachment into any existing wetland, waterbody, shoreline, beach or adjacent area? ☑Yes ☐No
If Yes:
i. Identify the wetland or waterbody which would be affected (by name, water index number, wetland map number or geographic description): Wetland A B & C per Jurisdictional Determination No. 2003-00052. (A & C on the East Side of Development, Wetland B is on the South Side).

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

ii. Describe how the proposed action would affect that waterbody or wetland, e.g. excavation, fill, placement of structures, or alteration of channels, banks and shorelines. Indicate extent of activities, alterations and additions in square feet or acres:
± 8,132 sf of wetland B will be filled to support a proposed stormwater infiltration system and grading surrounding it.

iii. Will the proposed action cause or result in disturbance to bottom sediments? ☐Yes ☑No
If Yes, describe:

iv. Will the proposed action cause or result in the destruction or removal of aquatic vegetation? ☐Yes ☑No
If Yes:

- acres of aquatic vegetation proposed to be removed:
- expected acreage of aquatic vegetation remaining after project completion:
- purpose of proposed removal (e.g. beach clearing, invasive species control, boat access):
- proposed method of plant removal:
- if chemical/herbicide treatment will be used, specify product(s):

v. Describe any proposed reclamation/mitigation following disturbance:
n/a

c. Will the proposed action use, or create a new demand for water? ☐Yes ☑No
If Yes:

i. Total anticipated water usage/demand per day: _____ gallons/day

ii. Will the proposed action obtain water from an existing public water supply? ☐Yes ☐No
If Yes:

- Name of district or service area:
- Does the existing public water supply have capacity to serve the proposal? ☐Yes ☐No
- Is the project site in the existing district? ☐Yes ☐No
- Is expansion of the district needed? ☐Yes ☐No
- Do existing lines serve the project site? ☐Yes ☐No

iii. Will line extension within an existing district be necessary to supply the project? ☐Yes ☐No
If Yes:

- Describe extensions or capacity expansions proposed to serve this project:
- Source(s) of supply for the district:

iv. Is a new water supply district or service area proposed to be formed to serve the project site? ☐Yes ☐No
If, Yes:

- Applicant/sponsor for new district:
- Date application submitted or anticipated:
- Proposed source(s) of supply for new district:

v. If a public water supply will not be used, describe plans to provide water supply for the project:

vi. If water supply will be from wells (public or private), what is the maximum pumping capacity: _____ gallons/minute.

d. Will the proposed action generate liquid wastes? ☐Yes ☑No
If Yes:

i. Total anticipated liquid waste generation per day: _____ gallons/day

ii. Nature of liquid wastes to be generated (e.g., sanitary wastewater, industrial; if combination, describe all components and approximate volumes or proportions of each):

iii. Will the proposed action use any existing public wastewater treatment facilities? ☐Yes ☐No
If Yes:

- Name of wastewater treatment plant to be used:
- Name of district:
- Does the existing wastewater treatment plant have capacity to serve the project? ☐Yes ☐No
- Is the project site in the existing district? ☐Yes ☐No
- Is expansion of the district needed? ☐Yes ☐No

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

- Do existing sewer lines serve the project site? ☐Yes ☐No
- Will a line extension within an existing district be necessary to serve the project? ☐Yes ☐No

If Yes:

- Describe extensions or capacity expansions proposed to serve this project: _____

iv. Will a new wastewater (sewage) treatment district be formed to serve the project site? ☐Yes ☐No

If Yes:

- Applicant/sponsor for new district: _____
- Date application submitted or anticipated: _____
- What is the receiving water for the wastewater discharge? _____

v. If public facilities will not be used, describe plans to provide wastewater treatment for the project, including specifying proposed receiving water (name and classification if surface discharge or describe subsurface disposal plans):

vi. Describe any plans or designs to capture, recycle or reuse liquid waste: _____

e. Will the proposed action disturb more than one acre and create stormwater runoff, either from new point sources (i.e. ditches, pipes, swales, curbs, gutters or other concentrated flows of stormwater) or non-point source (i.e. sheet flow) during construction or post construction? ☑Yes ☐No

If Yes:

i. How much impervious surface will the project create in relation to total size of project parcel?

_____ Square feet or 3.65 acres (impervious surface)

_____ Square feet or 7.99 acres (parcel size)

ii. Describe types of new point sources. Stormwater Pipes, Curbs/Gutters

iii. Where will the stormwater runoff be directed (i.e. on-site stormwater management facility/structures, adjacent properties, groundwater, on-site surface water or off-site surface waters)?

Stormwater runoff will be directed to an infiltration basin with a forebay and ultimately discharge to the existing town ditch on the west side of the development.

- If to surface waters, identify receiving water bodies or wetlands: Town of Amherst Town Ditch 26A
- Will stormwater runoff flow to adjacent properties? ☐Yes ☑No

iv. Does the proposed plan minimize impervious surfaces, use pervious materials or collect and re-use stormwater? ☐Yes ☑No

f. Does the proposed action include, or will it use on-site, one or more sources of air emissions, including fuel combustion, waste incineration, or other processes or operations? ☐Yes ☑No

If Yes, identify:

i. Mobile sources during project operations (e.g., heavy equipment, fleet or delivery vehicles)

ii. Stationary sources during construction (e.g., power generation, structural heating, batch plant, crushers)

iii. Stationary sources during operations (e.g., process emissions, large boilers, electric generation)

g. Will any air emission sources named in D.2.f (above), require a NY State Air Registration, Air Facility Permit, or Federal Clean Air Act Title IV or Title V Permit? ☐Yes ☑No

If Yes:

i. Is the project site located in an Air quality non-attainment area? (Area routinely or periodically fails to meet ambient air quality standards for all or some parts of the year) ☐Yes ☑No

ii. In addition to emissions as calculated in the application, the project will generate:

- _____Tons/year (short tons) of Carbon Dioxide (CO_2)
- _____Tons/year (short tons) of Nitrous Oxide (N_2O)
- _____Tons/year (short tons) of Perfluorocarbons (PFCs)
- _____Tons/year (short tons) of Sulfur Hexafluoride (SF_6)
- _____Tons/year (short tons) of Carbon Dioxide equivalent of Hydroflourocarbons (HFCs)
- _____Tons/year (short tons) of Hazardous Air Pollutants (HAPs)

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

h. Will the proposed action generate or emit methane (including, but not limited to, sewage treatment plants, landfills, composting facilities)? ☐Yes ☑No

If Yes:

i. Estimate methane generation in tons/year (metric): _____

ii. Describe any methane capture, control or elimination measures included in project design (e.g., combustion to generate heat or electricity, flaring): _____

i. Will the proposed action result in the release of air pollutants from open-air operations or processes, such as quarry or landfill operations? ☐Yes ☑No

If Yes: Describe operations and nature of emissions (e.g., diesel exhaust, rock particulates/dust):

Rock particulates/ust.

j. Will the proposed action result in a substantial increase in traffic above present levels or generate substantial new demand for transportation facilities or services? ☑Yes ☐No

If Yes:

i. When is the peak traffic expected (Check all that apply): ☑ Morning ☑ Evening ☐Weekend ☐ Randomly between hours of _____ to _____.

ii. For commercial activities only, projected number of truck trips/day and type (e.g., semi trailers and dump trucks): _____

iii. Parking spaces: Existing 526 Proposed 471 Net increase/decrease 465 (6 ex spaces lost for ADA

iv. Does the proposed action include any shared use parking? ☐Yes ☑No

v. If the proposed action includes any modification of existing roads, creation of new roads or change in existing access, describe:

No, access to circulate from existing parking lot to proposed parking lot

vi. Are public/private transportation service(s) or facilities available within ½ mile of the proposed site? ☑Yes ☐No

vii Will the proposed action include access to public transportation or accommodations for use of hybrid, electric or other alternative fueled vehicles? ☑Yes ☐No

viii. Will the proposed action include plans for pedestrian or bicycle accommodations for connections to existing pedestrian or bicycle routes? ☐Yes ☑No

k. Will the proposed action (for commercial or industrial projects only) generate new or additional demand for energy? ☐Yes ☑No

If Yes:

i. Estimate annual electricity demand during operation of the proposed action: _____

ii. Anticipated sources/suppliers of electricity for the project (e.g., on-site combustion, on-site renewable, via grid/local utility, or other):

iii. Will the proposed action require a new, or an upgrade, to an existing substation? ☐Yes ☑No

l. Hours of operation. Answer all items which apply.

i. During Construction:

- Monday - Friday: 8am-5pm
- Saturday: _____
- Sunday: _____
- Holidays: _____

ii. During Operations:

- Monday - Friday: 8am-5pm
- Saturday: _____
- Sunday: _____
- Holidays: _____

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

m. Will the proposed action produce noise that will exceed existing ambient noise levels during construction, operation, or both? ☐ Yes ☑ No

If yes:

i. Provide details including sources, time of day and duration:

Construction operations are limited to rough grading and paving. Noise levels from these activities are not anticipated to impact noise levels arising from the 3 street frontages bordering the site.

ii. Will the proposed action remove existing natural barriers that could act as a noise barrier or screen? ☐ Yes ☑ No

Describe: _____

n. Will the proposed action have outdoor lighting? ☑ Yes ☐ No

If yes:

i. Describe source(s), location(s), height of fixture(s), direction/aim, and proximity to nearest occupied structures:

Various Area lights within landscaped islands throughout the parking lot. On-sight lighting has been designed to Township of Amherst standards and limit spillage offsite.

ii. Will proposed action remove existing natural barriers that could act as a light barrier or screen? ☐ Yes ☑ No

Describe: _____

o. Does the proposed action have the potential to produce odors for more than one hour per day? ☐ Yes ☑ No

If Yes, describe possible sources, potential frequency and duration of odor emissions, and proximity to nearest occupied structures: _____

p. Will the proposed action include any bulk storage of petroleum (combined capacity of over 1,100 gallons) or chemical products 185 gallons in above ground storage or any amount in underground storage? ☐ Yes ☑ No

If Yes:

i. Product(s) to be stored _____

ii. Volume(s) _____ per unit time _____ (e.g., month, year)

iii. Generally, describe the proposed storage facilities: _____

q. Will the proposed action (commercial, industrial and recreational projects only) use pesticides (i.e., herbicides, insecticides) during construction or operation? ☐ Yes ☑ No

If Yes:

i. Describe proposed treatment(s):

ii. Will the proposed action use Integrated Pest Management Practices? ☐ Yes ☑ No

r. Will the proposed action (commercial or industrial projects only) involve or require the management or disposal of solid waste (excluding hazardous materials)? ☐ Yes ☑ No

If Yes:

i. Describe any solid waste(s) to be generated during construction or operation of the facility:

- Construction: _____ tons per _____ (unit of time)
- Operation : _____ tons per _____ (unit of time)

ii. Describe any proposals for on-site minimization, recycling or reuse of materials to avoid disposal as solid waste:

- Construction: _____
- Operation: _____

iii. Proposed disposal methods/facilities for solid waste generated on-site:

- Construction: _____
- Operation: _____

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

s. Does the proposed action include construction or modification of a solid waste management facility? ☐ Yes ☑ No

If Yes:

i. Type of management or handling of waste proposed for the site (e.g., recycling or transfer station, composting, landfill, or other disposal activities): _____

ii. Anticipated rate of disposal/processing:

- _____ Tons/month, if transfer or other non-combustion/thermal treatment, or
- _____ Tons/hour, if combustion or thermal treatment

iii. If landfill, anticipated site life: _____ years

t. Will the proposed action at the site involve the commercial generation, treatment, storage, or disposal of hazardous waste? ☐ Yes ☑ No

If Yes:

i. Name(s) of all hazardous wastes or constituents to be generated, handled or managed at facility: _____

ii. Generally describe processes or activities involving hazardous wastes or constituents: _____

iii. Specify amount to be handled or generated _____ tons/month

iv. Describe any proposals for on-site minimization, recycling or reuse of hazardous constituents: _____

v. Will any hazardous wastes be disposed at an existing offsite hazardous waste facility? ☐ Yes ☑ No

If Yes: provide name and location of facility: _____

If No: describe proposed management of any hazardous wastes which will not be sent to a hazardous waste facility:

E. Site and Setting of Proposed Action

E.1. Land uses on and surrounding the project site

a. Existing land uses.

i. Check all uses that occur on, adjoining and near the project site.

☐ Urban ☐ Industrial ☑ Commercial ☐ Residential (suburban) ☐ Rural (non-farm)
☐ Forest ☐ Agriculture ☐ Aquatic ☐ Other (specify): _____

ii. If mix of uses, generally describe:

b. Land uses and covertypes on the project site.

Land use or Covertype	Current Acreage	Acreage After Project Completion	Change (Acres +/-)
• Roads, buildings, and other paved or impervious surfaces	0.38	4.21	3.65
• Forested	3.36	1.22	2.14
• Meadows, grasslands or brushlands (non-agricultural, including abandoned agricultural)	2.50	1.50	1.0
• Agricultural (includes active orchards, field, greenhouse etc.)			
• Surface water features (lakes, ponds, streams, rivers, etc.)			
• Wetlands (freshwater or tidal)	1.75	1.05	0.70
• Non-vegetated (bare rock, earth or fill)			
• Other Describe: _____			

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

c. Is the project site presently used by members of the community for public recreation? ☐Yes ☑No
i. If Yes: explain: _____

d. Are there any facilities serving children, the elderly, people with disabilities (e.g., schools, hospitals, licensed day care centers, or group homes) within 1500 feet of the project site? ☐Yes ☑No
If Yes,
i. Identify Facilities:

_____
_____

e. Does the project site contain an existing dam? ☐Yes ☑No
If Yes:
i. Dimensions of the dam and impoundment:

- Dam height: _____ feet
- Dam length: _____ feet
- Surface area: _____ acres
- Volume impounded: _____ gallons OR acre-feet

ii. Dam's existing hazard classification: _____
iii. Provide date and summarize results of last inspection:

_____
_____

f. Has the project site ever been used as a municipal, commercial or industrial solid waste management facility, or does the project site adjoin property which is now, or was at one time, used as a solid waste management facility? ☐Yes ☑No
If Yes:
i. Has the facility been formally closed? ☐Yes ☐ No

- If yes, cite sources/documentation: _____

ii. Describe the location of the project site relative to the boundaries of the solid waste management facility:

_____
_____

iii. Describe any development constraints due to the prior solid waste activities: _____

_____

g. Have hazardous wastes been generated, treated and/or disposed of at the site, or does the project site adjoin property which is now or was at one time used to commercially treat, store and/or dispose of hazardous waste? ☐Yes ☑No
If Yes:
i. Describe waste(s) handled and waste management activities, including approximate time when activities occurred:

_____
_____

h. Potential contamination history. Has there been a reported spill at the proposed project site, or have any remedial actions been conducted at or adjacent to the proposed site? ☐Yes ☑ No
If Yes:
i. Is any portion of the site listed on the NYSDEC Spills Incidents database or Environmental Site Remediation database? Check all that apply: ☐Yes ☑No

☐ Yes – Spills Incidents database — Provide DEC ID number(s): _____
☐ Yes – Environmental Site Remediation database — Provide DEC ID number(s): _____
☐ Neither database

ii. If site has been subject of RCRA corrective activities, describe control measures: _____

_____
_____

iii. Is the project within 2000 feet of any site in the NYSDEC Environmental Site Remediation database? ☐Yes ☑No
If yes, provide DEC ID number(s): _____
iv. If yes to (i), (ii) or (iii) above, describe current status of site(s):

_____
_____

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

v. Is the project site subject to an institutional control limiting property uses? ☐ Yes ☑ No

- If yes, DEC site ID number: _____
- Describe the type of institutional control (e.g., deed restriction or easement): _____
- Describe any use limitations: _____
- Describe any engineering controls: _____
- Will the project affect the institutional or engineering controls in place? ☐ Yes ☑ No
- Explain: _____

E.2. Natural Resources On or Near Project Site

a. What is the average depth to bedrock on the project site? n/a feet

b. Are there bedrock outcroppings on the project site? ☐ Yes ☑ No
If Yes, what proportion of the site is comprised of bedrock outcroppings? _____ %

c. Predominant soil type(s) present on project site:

Cheektowaga fine sandy loam (Ch)	79.0% %
Cosad loamy fine sand (Cv)	21.0% %
	%

d. What is the average depth to the water table on the project site? Average: ±12 feet

e. Drainage status of project site soils:
☐ Well Drained: ____% of site
☐ Moderately Well Drained: ____% of site
☑ Poorly Drained 100.0 % of site

f. Approximate proportion of proposed action site with slopes:
☑ 0-10%: 100 % of site
☐ 10-15%: ____% of site
☐ 15% or greater: ____% of site

g. Are there any unique geologic features on the project site? ☐ Yes ☑ No
If Yes, describe: _____

h. Surface water features.
i. Does any portion of the project site contain wetlands or other waterbodies (including streams, rivers, ponds or lakes)? ☑ Yes ☐ No
ii. Do any wetlands or other waterbodies adjoin the project site? ☑ Yes ☐ No
If Yes to either *i* or *ii*, continue. If No, skip to E.2.i.
iii. Are any of the wetlands or waterbodies within or adjoining the project site regulated by any federal, state or local agency? ☑ Yes ☐ No
iv. For each identified regulated wetland and waterbody on the project site, provide the following information:
- Streams: Name _____ Classification _____
- Lakes or Ponds: Name _____ Classification _____
- Wetlands: Name Wetland B Approximate Size 0.204
- Wetland No. (if regulated by DEC) _____

v. Are any of the above water bodies listed in the most recent compilation of NYS water quality-impaired waterbodies? ☑ Yes ☐ No
If yes, name of impaired water body/bodies and basis for listing as impaired: _____
Ransom Creek, Lower and tribs. Pathogens;Oxygen Demand - Recreation; Aquatic Life

i. Is the project site in a designated Floodway? ☐ Yes ☑ No

j. Is the project site in the 100-year Floodplain? ☑ Yes ☐ No

k. Is the project site in the 500-year Floodplain? ☑ Yes ☐ No

l. Is the project site located over, or immediately adjoining, a primary, principal or sole source aquifer? ☐ Yes ☑ No
If Yes:
i. Name of aquifer: _____

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

m. Identify the predominant wildlife species that occupy or use the project site: _____

n. Does the project site contain a designated significant natural community? ☐Yes ☑No
If Yes:
i. Describe the habitat/community (composition, function, and basis for designation): _____
ii. Source(s) of description or evaluation: _____
iii. Extent of community/habitat:
- Currently: _____ acres
- Following completion of project as proposed: _____ acres
- Gain or loss (indicate + or -): _____ acres

o. Does project site contain any species of plant or animal that is listed by the federal government or NYS as endangered or threatened, or does it contain any areas identified as habitat for an endangered or threatened species? ☐Yes ☑No
If Yes:
i. Species and listing (endangered or threatened): _____

p. Does the project site contain any species of plant or animal that is listed by NYS as rare, or as a species of special concern? ☐Yes ☑No
If Yes:
i. Species and listing: _____

q. Is the project site or adjoining area currently used for hunting, trapping, fishing or shell fishing? ☐Yes ☑No
If yes, give a brief description of how the proposed action may affect that use: _____

E.3. Designated Public Resources On or Near Project Site

a. Is the project site, or any portion of it, located in a designated agricultural district certified pursuant to Agriculture and Markets Law, Article 25-AA, Section 303 and 304? ☐Yes ☑No
If Yes, provide county plus district name/number: _____

b. Are agricultural lands consisting of highly productive soils present? ☐Yes ☑No
i. If Yes: acreage(s) on project site? _____
ii. Source(s) of soil rating(s): _____

c. Does the project site contain all or part of, or is it substantially contiguous to, a registered National Natural Landmark? ☐Yes ☑No
If Yes:
i. Nature of the natural landmark: ☐ Biological Community ☐ Geological Feature
ii. Provide brief description of landmark, including values behind designation and approximate size/extent: _____

d. Is the project site located in or does it adjoin a state listed Critical Environmental Area? ☐Yes ☑No
If Yes:
i. CEA name: _____
ii. Basis for designation: _____
iii. Designating agency and date: _____

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

e. Does the project site contain, or is it substantially contiguous to, a building, archaeological site, or district which is listed on the National or State Register of Historic Places, or that has been determined by the Commissioner of the NYS Office of Parks, Recreation and Historic Preservation to be eligible for listing on the State Register of Historic Places? ☐ Yes ☑ No

If Yes:

i. Nature of historic/archaeological resource: ☐ Archaeological Site ☐ Historic Building or District

ii. Name: _____

iii. Brief description of attributes on which listing is based:

_____

f. Is the project site, or any portion of it, located in or adjacent to an area designated as sensitive for archaeological sites on the NY State Historic Preservation Office (SHPO) archaeological site inventory? ☐ Yes ☑ No

g. Have additional archaeological or historic site(s) or resources been identified on the project site? ☐ Yes ☑ No

If Yes:

i. Describe possible resource(s): _____

ii. Basis for identification: _____

h. Is the project site within fives miles of any officially designated and publicly accessible federal, state, or local scenic or aesthetic resource? ☐ Yes ☑ No

If Yes:

i. Identify resource: _____

ii. Nature of, or basis for, designation (e.g., established highway overlook, state or local park, state historic trail or scenic byway, etc.): _____

iii. Distance between project and resource: _____ miles.

i. Is the project site located within a designated river corridor under the Wild, Scenic and Recreational Rivers Program 6 NYCRR 666? ☐ Yes ☑ No

If Yes:

i. Identify the name of the river and its designation: _____

ii. Is the activity consistent with development restrictions contained in 6NYCRR Part 666? ☐ Yes ☐ No

F. Additional Information

Attach any additional information which may be needed to clarify your project.

If you have identified any adverse impacts which could be associated with your proposal, please describe those impacts plus any measures which you propose to avoid or minimize them.

G. Verification

I certify that the information provided is true to the best of my knowledge.

Applicant/Sponsor Name Jon Taubes Date 10/24/24

Signature Jon L Taubes Title Vicepresident

PRINT FORM

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

TOWN OF AMHERST
State Environmental Quality Review
ENVIRONMENTAL ASSESSMENT FORM
-- ADDENDUM --

1. For each applicable category of proposed <u>new</u> structures, including additions to existing structures, provide the following information for all soil types on the project site (*according to Soil Survey of Erie County, NY; Table 11, Building Site Development, pp 294-305):*

Soil Name	Shallow excavations	Dwellings without basements	Dwellings with basements	Small commercial buildings	Local roads and streets
(Ch) Cheektowaga fine sandy Loam					Private Parking
(Cv) Cosad loamy fine sand					Private Parking

2. Is your property located: On Youngs Road between Dodge and Klein Roads? □ Yes ☒ No
   On Wehrle Dr. between Spindrift Dr. and Oakwood Rd? □ Yes ☒ No

   If so, the property may be within an area of the Town that is affected by a moratorium on connections to the sanitary sewer system.

3. Are there alternative locations on the site for this project? □ Yes ☒ No

4. Location and size of real property owned by petitioner within one (1) mile of subject proposal:
   Block 1 Lot 70.11 (580 Crosspoint Parkway): 7.99 acres
   Block 1 Lot 58.111 (3750 Millersport Highway): 7.99 acres

5. Are you aware of current or future plans or intentions by others in the Town of Amherst to develop property within 1000± ft. of the present project request: □ Yes ☒ No

   Describe_____

   (Potential environmental impacts from adjacent or nearby projects undergoing the approval process will receive a coordinated environmental review to determine cumulative effects on common receivers (e.g. traffic and drainage corridors) and other relevant environmental concerns.)

6. Maximum number of vehicular trips to be generated per peak hour upon completion of project 225 entering /31 exiting AM peak / 41 entering / 198 exiting PM peak
   Source: Traffic Impact Report titled "3750 Millersport Highway" developed by Passero dated 9/17/2024

7. Will blasting occur during construction? □ Yes ☒ No

8. Does the project propose to connect and be tributary to the public sanitary sewer system? □ Yes ☒ No

9. Proposed net additional gallons per day (gpd) of sanitary sewer discharge upon completion of project:
   N/A average flow N/A peak flow.

   (Average flows of 2,500 gpd or greater will require an Engineer's Report that includes a detailed downstream sewer capacity analysis and the identification of and commitment to required I/I offset work during peak wastewater flow conditions.)

10. Based on the Town's *2011 Reconnaissance Level Survey of Historic Resources,* is your property 'blue-rated' for historic significance? □ Yes ☒ No

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

TRAFFIC IMPACT REPORT

September 17, 2024, Updated: October 23, 2024

20243961.0001

3750 MILLERSPORT HIGHWAY

TOWN OF AMHERST, NY

PREPARED FOR:
Mr. Kevin Seiler, P.E.
Ware Malcomb
45 West 21st Street, 6th Floor
New York, NY 10010

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

TABLE OF CONTENTS

1.0 EXECUTIVE SUMMARY **2**
2.0 INTRODUCTION **4**
2.1 Study Purpose and Objectives 4
2.2 Project Location 4
2.3 Study Area 4
3.0 TRANSPORTATION SETTING **4**
3.1 Description of Study Area Roadways 4
Table 1: *Existing Highway System* 5
3.2 Description of Multimodal Network 5
Table 2: *Multimodal Network* 5
3.3 Planned/Programmed Highway Improvements 6
4.0 EXISTING CONDITIONS ANALYSIS **6**
4.1 Peak Intervals for Analysis 6
4.2 Existing Traffic Volume Data 6
4.3 Field Observations 7
4.4 Existing Crash Investigation 7
Table 3: *Crash Analysis* 7
5.0 BACKGROUND (NO BUILD) CONDITIONS **9**
6.0 PROPOSED DEVELOPMENT CONDITIONS **9**
6.1 Project Description 9
6.2 Proposed Traffic Generation 9
Table 4: *Site Generated Trips* 10
6.3 Trip Distribution 10
6.4 Full Development Volumes 10
7.0 TRAFFIC OPERATIONS AND ANALYSIS **10**
7.1 Description of Capacity Analysis 10
Table 5: *Level of Service Criteria* 11
7.2 Capacity Analysis Results 11
Table 6: *Capacity Analysis Results* 12
8.0 CONCLUSIONS AND RECOMMENDATIONS **15**
9.0 REFERENCES **16**
10.0 FIGURES **16**

APPENDICES

APPENDIX A: EXISTING TRAFFIC COUNT DATA
APPENDIX B: MISCELLANEOUS CALCULATIONS
APPENDIX C: LOS CALCULATIONS – EXISTING CONDITIONS
APPENDIX D: LOS CALCULATIONS – BACKGROUND CONDITIONS
APPENDIX E: LOS CALCULATIONS – FULL BUILD CONDITIONS

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

1.0 EXECUTIVE SUMMARY

The purpose of this report is to evaluate the potential traffic impacts related to the proposed parking lot development located at 3750 Millersport Highway along the west side of Millersport Highway in the Town of Amherst, NY. Within this report, the operating characteristics of the proposed access points and impacts to the adjacent roadway network are evaluated. Mitigating measures are identified, if needed, to minimize operational concerns. To define traffic impact, this analysis establishes existing baseline traffic conditions, projects background traffic flow including area growth, and determines the traffic operations that would result from the proposed project. All figures and supporting calculations are included at the end of this report.

Project Location and Description

The project site is located along the west side of the Millersport Highway between Hopkins Road and Crosspoint Parkway, in the Town of Amherst, Erie County, NY. The project comprises the following aspects:

- **Site Status:** The site is currently vacant.
- **Site Boundary:**
  - **North:** The site is bounded by Hopkins Rd.
  - **East:** Hopkins Rd and Millersport Highway.
  - **South:** Millersport Highway.
  - **West:** Bright Path Cross Point Child Care Center and the existing CitiGroup building and surface parking area.
  - **Vicinity Land Uses:** There is a mix of land uses, including commercial, residential, and institutional.

The proposed project consists of constructing ±471 surface parking spaces to the east of the existing 580 Crosspoint Pkwy parking lot, restriping existing parking spaces at 580 Crosspoint Pkwy to provide 20 new ADA parking spaces, and renovating the existing 580 Crosspoint Pkwy building to provide space for ±1,200 additional employees. However, ±861 of these additional employees currently work on site and will be relocated to 580 Crosspoint Pkwy from the existing 540 Crosspoint Pkwy office building. Therefore, the proposed project will generate ±339 new employees. Access to the proposed project will be provided via one existing full access driveway along Crosspoint Pkwy.

Study Area

To ensure a comprehensive analysis of potential traffic impacts, a study area was selected consisting of the following intersections. **Figure 1** illustrates the study area and project location.

1. North French Road (CR 299) and Crosspoint Parkway
2. North French Road (CR 299) and Millersport Highway (NYS Route 263)
3. Millersport Highway (NYS Route 263) and Crosspoint Parkway
4. Millersport Highway (NYS Route 263) and Hopkins Road (CR 87)
5. Millersport Highway (NYS Route 263) and Interstate 990 (I-990) Exit Ramp
6. Millersport Highway (NYS Route 263) and Interstate 990 (I-990) Entrance Ramp
7. Crosspoint Parkway and the Existing East Site Driveway

Existing and Background Conditions

Turning movement traffic counts were collected by Passero Associates on Thursday August 29th, 2024. Traffic counts were conducted between 7:00-9:00 AM for the weekday AM peak period and 4:00-6:00 PM for the weekday PM peak period at the study intersections. The peak hour traffic periods generally occurred between 7:30-8:30 AM and 4:15-5:15 PM.

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

The weekday turning movement count data was collected on a typical weekday while the University at Buffalo was in session. No adverse weather conditions impacted the traffic counts. It is noted that Millersport Highway and Hopkins Rd were under construction at the time of data collection. The traffic volumes were reviewed to confirm accuracy, seasonality, and relative balance between intersections. No seasonality adjustment was required. The traffic volumes were compared to historical traffic data in the study area to determine if the collected traffic volumes needed to be adjusted due to the ongoing construction. No adjustment was necessary to account for the ongoing construction.

Construction of the proposed project is anticipated to reach full build-out within approximately one year. Based on feedback from the Town of Amherst, two projects were identified for inclusion in this study:

- 50 Crosspoint Pkwy – Traffic generated by this development was added to the study intersections.
- 3315-3333 Millersport Highway – Traffic generated by this development was added to the study intersections.

To account for normal increases in background traffic growth, including any unforeseen developments in the study area, a growth rate of 1.5% was applied to the existing traffic volumes for the one-year build out period.

Conclusions and Recommendations

This Traffic Impact Study identified and evaluated the potential traffic impacts that can be expected from the proposed parking lot development located at 3750 Millersport Highway along the west side of Millersport Highway in the Town of Amherst, NY. The results of this comprehensive study determined that the existing transportation network can adequately accommodate the projected traffic volumes and resulting minor impacts to study area intersections. The following sets forth the conclusions and recommendations based upon the results of the analyses:

1. The proposed project is expected to generate approximately 173 entering/24 exiting vehicle trips during the AM peak hour and 31 entering/151 exiting vehicle trips during the PM peak.

2. Based on the results of the crash analysis, there are no inherent safety deficiencies at any of the study intersections.

3. All approaches operate at an acceptable LOS D or better under existing, projected background, and full build conditions (with proposed development) during both peak hours at all study intersections.

4. Pursuant to the State Environmental Quality Review Act (SEQRA), this detailed analysis demonstrates that the proposed project, with the recommended improvements in place, does not result in any significant adverse traffic impacts even at full development.

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

2.0 INTRODUCTION

2.1 Study Purpose and Objectives

The purpose of this report is to evaluate the potential traffic impacts related to the proposed parking lot development located at 3750 Millersport Highway along the west side of Millersport Highway in the Town of Amherst, NY. Within this report, the operating characteristics of the proposed access points and impacts to the adjacent roadway network are evaluated. Mitigating measures are identified, if needed, to minimize operational concerns. To define traffic impact, this analysis establishes existing baseline traffic conditions, projects background traffic flow including area growth, and determines the traffic operations that would result from the proposed project. All figures and supporting calculations are included at the end of this report.

2.2 Project Location

The project site is located along the west side of the Millersport Highway between Hopkins Road and Crosspoint Parkway, in the Town of Amherst, Erie County, NY. The project comprises the following aspects:

- **Site Status:** The site is currently vacant.
- **Site Boundary:**
  - **North:** The site is bounded by Hopkins Rd.
  - **East:** Hopkins Rd and Millersport Highway.
  - **South:** Millersport Highway.
  - **West:** Bright Path Cross Point Child Care Center and the existing CitiGroup building and surface parking area.
- **Vicinity Land Uses:** There is a mix of land uses, including commercial, residential, and institutional.

2.3 Study Area

To ensure a comprehensive analysis of potential traffic impacts, a study area was selected consisting of the following intersections. **Figure 1** illustrates the study area and project location.

1. North French Road (CR 299) and Crosspoint Parkway
2. North French Road (CR 299) and Millersport Highway (NYS Route 263)
3. Millersport Highway (NYS Route 263) and Crosspoint Parkway
4. Millersport Highway (NYS Route 263) and Hopkins Road (CR 87)
5. Millersport Highway (NYS Route 263) and Interstate 990 (I-990) Exit Ramp
6. Millersport Highway (NYS Route 263) and Interstate 990 (I-990) Entrance Ramp
7. Crosspoint Parkway and the Existing East Site Driveway

3.0 TRANSPORTATION SETTING

3.1 Description of Study Area Roadways

The information outlined in **Table 1** provides a description of the existing roadway network within the study area. **Figure 2** illustrates the lane geometry and traffic controls at each of the study intersections and the Annual Average Daily Traffic (AADT) volumes on the study roadways. The AADTs, in vehicles per day (vpd), reflect the most recently collected data obtained from the NYSDOT and Passero Associates (PA).

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

Functional classification of roadways is determined by the NYSDOT and the Federal Highway Administration (FHWA). Both the NYSDOT and FHWA groups roads, streets, and highways into different classes based on how they are used. This is called functional classification. Roads and streets do not work alone to move traffic. Instead, they form a network. Functional classification defines how each road or street fits into this network, how it provides access to nearby properties, and whether it is in an urban or rural area. In the study area, all the roadways are classified as urban.

The primary functional classifications within the study area:

- Principal Arterial (Class 14)
- Major Collector (Class 17)
- Local (Class 19)

Table 1: *Existing Highway System*

Roadway	Class[1]	Agency[2]	Speed	Typical Cross Section[3]	AADT
N French Road (CR-299)	14	ECDPW	35/45 mph	4-lane undivided	18,960 (NYSDOT 2018)
Millersport Highway (NY-263)	14	NYSDOT	55 mph	2/4-lane undivided	7,320 (NYSDOT 2018)
Hopkins Road (CR-87)	17	ECDPW	40 mph	2-lane undivided	3,784 (NYSDOT 2018)
Crosspoint Parkway	19	Town of Amherst	30 mph	2-lane undivided	4,663 (PA 2024)

1. Functional Classification.
2. Roadway ownership.
3. Excludes turning lanes at intersections.

3.2 Description of Multimodal Network

Table 2 summarizes the traffic controls, pedestrian, bicycle, and transit accommodations within the study area.

Table 2: *Multimodal Network*

INTERSECTION	TRAFFIC CONTROL	PEDESTRIAN			BICYCLE		TRANSIT
		SIDEWALK	CROSSWALK	PED SIGNAL	LANE	OTHER	
N French Rd/Crosspoint Pkwy	Signal	Some presence	Some presence	No	No	No shoulder	No
N French/Millersport Hwy	Signal	No presence	Fully present	Yes	No	Some shoulder	Bus Route 44
Millersport Hwy/ Crosspoint Pkwy	Signal	Some presence	Some presence	Yes	No	Some shoulder	Bus Route 44
Millersport Hwy/ Hopkins Rd	Sign	No presence	No presence	No	No	Some shoulder	Bus Route 44
Millersport Hwy/I-990 Exit Ramp	Signal	No presence	No presence	No	No	Some shoulder	No
Millersport Hwy/I-990 Entrance Ramp	Signal	No presence	No	No	No	Some shoulder	No

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

INTERSECTION	TRAFFIC CONTROL	PEDESTRIAN			BICYCLE		TRANSIT
		SIDEWALK	CROSSWALK	PED SIGNAL	LANE	OTHER	
Crosspoint Pkwy/Existing East Site Dwy	Sign	Some presence	No	No	No	No shoulder	No

3.3 Planned/Programmed Highway Improvements

Millersport Highway is currently under construction with a NYSDOT project that will improve the Hopkins Rd intersection. The project includes the following modifications:

- Realign both Hopkins Rd approaches to create a more traditional intersection with the Hopkins Rd approaches aligned perpendicularly.
- Widen Hopkins Rd to provide exclusive left turn lanes on the approaches to Millersport Highway.
- Widen Millersport Highway to provide exclusive left turn lanes on the approaches to Hopkins Rd.
- Install new three-color traffic signal.
- Other safety related improvements such as centerline audible treatment.

There is also a future project planned at the Millersport Highway intersection with the I-990 ramps. No further information related to that future project is available at this time.

4.0 EXISTING CONDITIONS ANALYSIS

4.1 Peak Intervals for Analysis

Given the functional characteristics of the corridors, adjacent land uses, and the proposed land use for the project site, the peak hours selected for analysis are the weekday morning (AM) and afternoon (PM) commuter peak periods. The combination of site traffic and adjacent street traffic produces the greatest demand during these time periods.

4.2 Existing Traffic Volume Data

Turning movement traffic counts were collected by Passero Associates on Thursday August 29th, 2024. Traffic counts were conducted between 7:00-9:00 AM for the weekday AM peak period and 4:00-6:00 PM for the weekday PM peak period at the study intersections. The peak hour traffic periods generally occurred between 7:30-8:30 AM and 4:15-5:15 PM.

The weekday turning movement count data was collected on a typical weekday while the University at Buffalo was in session. No adverse weather conditions impacted the traffic counts. It is noted that Millersport Highway and Hopkins Rd were under construction at the time of data collection. The traffic volumes were reviewed to confirm accuracy, seasonality, and relative balance between intersections. No seasonality adjustment was required. The traffic volumes were compared to historical traffic data in the study area to determine if the collected traffic volumes needed to be adjusted due to the ongoing construction. No adjustment was necessary to account for the ongoing construction. **Figure 3** illustrates the existing base conditions.

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

4.3 Field Observations

The study intersections were observed during peak intervals to assess current traffic operations. Signal timing and phasing information was obtained from the NYSDOT and/or Town of Amherst to determine peak hour phasing plans and phase durations during each interval at the signalized intersections. This information was used to support and/or calibrate capacity analysis models described in detail later in this report.

4.4 Existing Crash Investigation

The purpose of this crash analysis is to identify inherent safety issues by studying and quantifying historical crashes at the study intersections and identifying potential crash patterns and clusters. A crash cluster is defined as an abnormal occurrence of similar crash types occurring at approximately the same location or involving the same geometric features. The severity of the crashes should also be considered. A history of crashes is an indication that further analysis is required to determine the cause(s) of the crash(es) and to identify what actions, if any, could be taken to mitigate the crashes.

Crash history data was obtained from MV-104A Police Accident Reports provided by the NYSDOT *Crash Location & Engineering Analysis & Reporting (CLEAR)* database. This study conducted the evaluation from January 1, 2019, through December 31, 2023.

Intersections are evaluated using the Potential for Safety Improvement (PSI) and Safety Performance Function (SPF) methodology described in the latest NYSDOT *Red Book (2023)*. The accompanying SPF worksheet can be obtained from the NYSDOT *Crash Analysis Toolbox*. NYSDOT defines PSI and SPF as:

> **Potential for Safety Improvement**
> A comparison of the site-specific safety performance compared to the statewide average using either observed or expected crashes depending on whether traffic volume is available.
>
> **Safety Performance Function**
> An equation used to estimate or predict the average crash frequency per year at a location as a function of traffic volume and, in some cases, roadway or intersection characteristics (e.g., number of lanes, traffic control, or type of median).

Table 3 summarizes the crashes that occurred at intersection locations and resulting PSI. SPF Prediction, Expected Crashes, and Excess Expected Crashes are shown as crashes per year for fatal and injury crashes. LOSS = Level of Service of Safety (Range 1-4). 1 = Lowest Excess Expected Crashes, 4 = Highest Excess Expected Crashes.

Table 3: *Crash Analysis*

Intersection	Number of Crashes	Number of Injury Crashes	SPF Prediction	Expected Crashes	Excess Expected Crashes	LOSS
N French Rd at Crosspoint Pkwy	9	3	3.3595	1.9602	-1.3993	3
N French Rd at Millersport Hwy	11	8	4.7881	2.4504	-2.3377	2
Millersport Hwy at Crosspoint Pkwy	4	0	1.5223	4.7284	-0.5766	2
Millersport Hwy at Hopkins Rd	0	0	1.7303	0.2833	-1.4470	2

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

Intersection	Number of Crashes	Number of Injury Crashes	SPF Prediction	Expected Crashes	Excess Expected Crashes	LOSS
Millersport Hwy at I-990 Exit Ramp	17	6	2.8786	3.3385	0.4600	3
Millersport Hwy at I-990 Entrance Ramp	8	4	4.5284	1.7836	-2.7748	2
Crosspoint Pkwy at Existing East Site Dwy	0	0	0.7814	0.2183	-0.5631	2

N French Rd at Crosspoint Pkwy: The following crashes occurred at this intersection: rear end (6), right angle (1), and sideswipe (2). The only crash pattern that was reported is three eastbound rear end crashes. The reported rear end crashes (67%) are characteristic of moderate to heavily trafficked signalized intersections. The causes of the rear end crashes were generally driver inattention, driver error, or following too closely. No other discernible crash patterns exist; thus, no geometric improvements are recommended.

N French Rd at Millersport Hwy: The following crashes occurred at this intersection: left turn (1), rear end (2), and right angle (7). The only crash pattern that was reported is four eastbound right angle crashes. The causes of the right angle crashes were generally driver inattention, driver error, or disregard of a traffic control device. No other discernible crash patterns exist; thus, no geometric improvements are recommended.

Millersport Hwy at Crosspoint Pkwy: The following crashes occurred at this intersection: right turn (1), fixed object (1), and animal (2). No discernible crash patterns exist; thus, no geometric improvements are recommended.

Millersport Hwy at Hopkins Rd: No crashes occurred at this intersection. No discernible crash patterns exist; thus, no geometric improvements are recommended.

Millersport Hwy at I-990 Exit Ramp: The following crashes occurred at this intersection: rear end (9), right angle (1), sideswipe (3), and fixed object (3). The following crash patterns were reported:

- Rear End
  - Eastbound (four crashes)
  - Northbound (three crashes)
- Sideswipe
  - Eastbound (three crashes)
- Fixed Object
  - Eastbound (three crashes)

The reported rear end crashes (53%) are characteristic of moderate to heavily trafficked signalized intersections. The causes of the rear end crashes were generally driver inattention, driver error, or following too closely. The causes of the sideswipe crashes were generally improper lane changes, or failure to stay in lane. The causes of the fixed object crashes were generally slippery conditions, alcohol involvement, or driver error. No other discernible crash patterns exist; thus, no other geometric improvements are recommended.

Crosspoint Pkwy at Existing East Site Dwy: No crashes occurred at this intersection. No discernible crash patterns exist; thus, no geometric improvements are recommended.

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

5.0 BACKGROUND (NO BUILD) CONDITIONS

Construction of the proposed project is anticipated to reach full completion in approximately one year. The widely accepted methodology for preparing traffic impact studies requires that any projects in the study area that are currently approved and/or under construction must be considered in the traffic analysis. Projects that are contemplated but not yet approved are not included in a traffic analysis. Local municipal personnel were contacted to discuss any other specific projects that are currently approved or under construction that would generate additional traffic in the study area. The two projects identified for inclusion in this study were:

- 50 Crosspoint Pkwy – Traffic generated by this development was added to the study intersections.
- 3315-3333 Millersport Highway – Traffic generated by this development was added to the study intersections.

A review of available historical NYSDOT traffic volume data in the vicinity of the site indicates that traffic has increased by approximately 1.17% between 2010 and 2019. To account for normal increases in background traffic growth, including any unforeseen developments in the study area, a growth rate of 1.5% was applied to the existing traffic volumes for the one-year build out period. **Figure 4** depicts the background traffic volumes.

It is noted that the background analysis includes the highway improvements at Millersport Highway and Hopkins Rd that are currently under construction.

6.0 PROPOSED DEVELOPMENT CONDITIONS

6.1 Project Description

The proposed project consists of constructing ±471 surface parking spaces to the east of the existing 580 Crosspoint Pkwy parking lot, restriping existing parking spaces at 580 Crosspoint Pkwy to provide 20 new ADA parking spaces, and renovating the existing 580 Crosspoint Pkwy building to provide space for ±1,200 additional employees. However, ±861 of these additional employees currently work on site and will be relocated to 580 Crosspoint Pkwy from the existing 540 Crosspoint Pkwy office building. Therefore, the proposed project will generate ±339 new employees. Access to the proposed project will be provided via one existing full access driveway along Crosspoint Pkwy.

6.2 Proposed Traffic Generation

The volume of traffic generated by a site is dependent on the intended land use and size of the development. Trip generation is an estimate of the number of trips generated by a specific building or land use. These trips represent the volume of traffic entering and exiting the development. *Trip Generation Manual (11th Edition)* published by the Institute of Transportation Engineers (ITE) is used as a reference for this information. The trip rate for the peak hour of the generator may or may not coincide in time or volume with the trip rate for the peak hour of adjacent street traffic. Volumes generated during the peak hour of the adjacent street traffic and proposed land use, in this case, the weekday commuter AM and PM peak hours, represent a more critical volume when analyzing the capacity of the system; those intervals will provide the basis of this analysis.

Table 4 shows the estimated site generated trips that will be added to the existing roadway system under full project development.

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

Table 4: *Site Generated Trips*

DESCRIPTION	ITE LUC[1]	SIZE	AM PEAK HOUR		PM PEAK HOUR	
			ENTER	EXIT	ENTER	EXIT
General Office Building	710	±339 Employees	173	24	31	151

Note:
1. LUC = Land Use Code.

The proposed project is expected to generate approximately 173 entering/24 exiting vehicle trips during the AM peak hour and 31 entering/151 exiting vehicle trips during the PM peak.

6.3 Trip Distribution

The cumulative effect of site-generated traffic on the transportation network is dependent on the origins and destinations of that traffic and the location of the access drives serving the site. The proposed arrival and departure distribution of traffic generated by the proposed project is considered a function of several parameters, including:

- Residential and employment centers using US Census data.
- Proximity and access to expressways (I-990) and other main roadways.
- Site layout and access locations.
- Existing traffic patterns.
- Existing and future traffic conditions and controls.

Figure 5 shows the anticipated trip distribution pattern percentage for the project site. **Figure 6** illustrates the total peak hour project site-generated traffic based on the percentages in **Figure 5**.

6.4 Full Development Volumes

The proposed design hour traffic volumes are developed for the peak hours by combining the background traffic conditions (**Figure 4**) and the new site-generated traffic volumes (**Figure 6**) to yield the traffic volumes under full development conditions. **Figure 7** illustrates the total peak hour volumes anticipated for the proposed project under full build-out conditions.

7.0 TRAFFIC OPERATIONS AND ANALYSIS

7.1 Description of Capacity Analysis

Capacity analysis is a technique used for determining a measure of effectiveness for a section of roadway and/or intersection based on the number of vehicles during a specific time period. The measure of effectiveness used for the capacity analysis is referred to as a Level of Service (LOS). Levels of service are calculated to provide an indication of the amount of delay that a motorist experiences while traveling along a roadway or through an intersection. Since the most amount of delay to motorists usually occurs at intersections, capacity analysis focuses on intersections, as opposed to highway segments.

The standard procedure for capacity analysis of signalized and unsignalized intersections is outlined in the *Highway Capacity Manual (HCM) 7th Edition* published by the Transportation Research Board (TRB). Traffic analysis software, Synchro 12, which is based on procedures and methodologies contained in the HCM, was used to analyze operating

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

conditions at study area intersections. The procedure yields a level of service based on the HCM as an indicator of how well intersections operate.

Six levels of service are defined for analysis purposes. They are assigned letter designations, from A to F, with LOS A representing the conditions with little to no delay, and LOS F conditions with very long delays. Suggested ranges of service capacity and an explanation of levels of service are included in the Appendices. LOS C or better is desirable, but LOS D for signalized locations and LOS E for unsignalized locations are generally thresholds of acceptable operation during peak periods so long as the volume to capacity ratio (v/c) is below 1.0. **Table 5** depicts level of service criteria for both signalized and unsignalized intersections and associated delays per vehicle in seconds.

Table 5: *Level of Service Criteria*

Level of Service	Signalized Control	Unsignalized Control
A	< 10	< 10
B	10 – 20	10 – 15
C	20 – 35	15 – 25
D	35 – 55	25 – 35
E	55 – 80	35 – 50
F	> 80	> 50

Level of service for signalized intersections is defined in terms of delay specifically, average total delay per vehicle for a 15-minute analysis period. Level of service for unsignalized intersections, however, are different from a signalized intersection. The primary reason for this is driver expectation that a signalized intersection is designed to carry higher volumes than an unsignalized intersection. Unsignalized intersections are also associated with more uncertainty for users, as delays are less predictable than they are at signals.

The v/c ratio, also referred to as degree of saturation, represents the sufficiency of an intersection to accommodate the vehicular demand. A v/c ratio less than 0.85 generally indicates that adequate capacity is available, and vehicles are not expected to experience significant queues and delays. As the v/c ratio approaches 1.0, traffic flow may become unstable, and delay and queuing conditions may occur. It should be noted that there is no stop sign at the Millersport Hwy/I-990 Entrance Ramp intersection as it is a free-flowing intersection. Synchro 12 requires that an unsignalized intersection must have at least one stop sign at the intersection to perform the capacity analysis. Given that, SIMTraffic was utilized to analyze this intersection under all conditions during both peak hours.

7.2 Capacity Analysis Results

Existing and background operating conditions during the peak study periods are evaluated to determine a basis for comparison with the projected future conditions. The future traffic conditions generated by the project were analyzed to assess the operation of the study area intersections. Capacity results for existing, background, and full build conditions are listed in **Table 6**. The discussion following the table summarizes capacity conditions. The detailed Synchro capacity analysis worksheets are provided after this report.

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

TABLE 6: CAPACITY ANALYSIS RESULTS

INTERSECTION	2024 EXISTING BASE CONDITIONS				2025 BACKGROUND CONDITIONS				2025 FULL BUILD CONDITIONS			
	AM		PM		AM		PM		AM		PM	
1. N French Rd/Crosspoint Pkwy (S)												
EB Left - N French Rd	B	19.8	C	21.9	C	21.2	C	23.2	C	21.4	C	23.7
EB Thru - N French Rd	A	4.2	A	7.8	A	4.6	A	8.2	A	4.6	A	8.0
WB Thru - N French Rd	B	18.0	B	15.7	B	19.1	B	16.8	B	19.3	B	18.0
WB Right - N French Rd	A	4.4	A	5.2	A	4.4	A	4.7	A	4.4	A	4.8
SB Left - Crosspoint Pkwy	C	24.6	C	21.8	C	26.4	C	23.2	C	26.5	C	23.7
SB Right - Crosspoint Pkwy	A	8.4	A	4.5	A	7.3	A	4.4	A	7.2	A	4.5
Overall LOS	**B**	**12.5**	**B**	**10.9**	**B**	**13.3**	**B**	**11.6**	**B**	**13.5**	**B**	**11.9**
Volume-to-Capacity (v/c) Ratio	**0.56**		**0.53**		**0.59**		**0.55**		**0.60**		**0.59**	
2. N French Rd/Millersport Hwy (S)												
EB Left - N French Rd	B	11.6	B	10.3	B	12.6	B	10.8	B	13.0	B	11.5
EB Thru/Right - N French Rd	C	25.8	C	22.6	C	28.0	C	23.5	C	28.1	C	24.4
WB Left - N French Rd	B	13.4	B	11.1	B	15.0	B	11.8	B	15.2	B	12.5
WB Thru/Right - N French Rd	C	21.3	B	19.6	C	23.0	C	20.3	C	23.7	C	21.2
NEB Left - Millersport Hwy	B	18.3	B	18.6	B	19.0	B	19.0	B	18.9	B	18.7
NEB Thru/Right - Millersport Hwy	C	20.2	C	27.7	C	20.2	C	28.6	C	21.0	C	27.9
SWB Left - Millersport Hwy	C	28.1	C	26.7	C	29.6	C	28.6	C	29.5	C	28.7
SWB Thru/Right - Millersport Hwy	C	32.5	C	28.4	D	35.4	C	31.8	D	35.3	C	32.3
Overall LOS	**C**	**22.8**	**C**	**22.6**	**C**	**24.6**	**C**	**23.6**	**C**	**24.8**	**C**	**24.2**
Volume-to-Capacity (v/c) Ratio	**0.64**		**0.67**		**0.67**		**0.68**		**0.67**		**0.69**	
3. Millersport Hwy/Crosspoint Pkwy (S)												
SEB Left - Crosspoint Pkwy	B	18.5	B	18.7	B	18.6	B	18.7	B	19.4	B	19.9
SEB Right - Crosspoint Pkwy	A	9.3	A	5.1	A	9.3	A	5.1	A	9.0	A	4.2
NEB Left - Millerpsort Hwy	A	3.8	A	6.5	A	3.8	A	6.6	A	4.2	A	8.8
NEB Thru - Millersport Hwy	A	4.0	B	10.3	A	4.0	B	10.5	A	4.2	B	13.1
SWB Thru - Millersport Hwy	B	12.4	B	14.0	B	12.4	B	14.1	B	13.6	B	17.0
SWB Right - Millersport Hwy	A	3.5	A	5.9	A	3.4	A	5.9	A	4.0	A	6.2
Overall LOS	**A**	**6.7**	**B**	**12.1**	**A**	**6.7**	**B**	**12.2**	**A**	**7.0**	**B**	**14.1**
Volume-to-Capacity (v/c) Ratio	**0.35**		**0.51**		**0.36**		**0.51**		**0.47**		**0.62**	
4. Millersport Hwy/Hopkins Rd (U)												
NB - Hopkins Rd	C	17.1	C	21.0								
SB - Hopkins Rd	C	15.3	C	19.2								
NEB Left - Millersport Hwy	A	8.5	A	7.6	N/A		N/A		N/A		N/A	
SWB Left - Millersport Hwy	A	7.7	A	8.9								
4. Millersport Hwy/Hopkins Rd (S)												
NB Left - Hopkins Rd					B	16.2	C	24.0	B	17.6	C	25.6
NB Thru/Right - Hopkins Rd					A	8.9	B	14.8	A	9.2	B	16.1
SB Left - Hopkins Rd					B	16.0	C	23.0	B	18.0	C	24.0
SB Thru/Right - Hopkins Rd					B	15.2	C	22.4	B	16.8	C	23.6
NEB Left - Millersport Hwy	N/A		N/A		A	8.0	A	5.5	A	8.4	A	5.2
NEB Thru/Right - Millersport Hwy					B	16.1	B	16.9	B	17.7	B	18.0
SWB Left - Millersport Hwy					A	7.3	A	6.0	A	8.7	A	6.2
SWB Thru/Right - Millersport Hwy					B	10.6	A	8.9	B	13.7	A	8.4
Overall LOS					**B**	**11.3**	**B**	**14.2**	**B**	**13.6**	**B**	**15.2**
Volume-to-Capacity (v/c) Ratio					**0.35**		**0.61**		**0.50**		**0.66**	

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

TABLE 6: CAPACITY ANALYSIS RESULTS

INTERSECTION	2024 EXISTING BASE CONDITIONS				2025 BACKGROUND CONDITIONS				2025 FULL BUILD CONDITIONS			
	AM		PM		AM		PM		AM		PM	
5. Millersport Hwy/I-990 Exit Ramp (S)												
EB - I-990 Exit Ramp	B	10.5	B	15.8	B	10.7	B	16.3	B	10.7	B	19.0
NEB - Millersport Hwy	B	10.7	C	25.2	B	10.8	C	25.5	B	11.4	C	25.6
SWB - Millersport Hwy	B	12.1	C	21.1	B	12.2	C	21.2	B	13.1	C	20.5
Overall LOS	**B**	**11.1**	**B**	**18.8**	**B**	**11.3**	**B**	**19.2**	**B**	**11.7**	**C**	**21.0**
Volume-to-Capacity (v/c) Ratio	**0.52**		**0.78**		**0.53**		**0.79**		**0.55**		**0.82**	
6. Millersport Hwy/I-990 Entrance Ramp (U)												
NEB Left - Millersport Hwy	A	4.6	A	2.3	A	4.2	A	2.6	A	5.4	A	2.9
7. Crosspoint Pkwy/Existing Dwy (U)												
EB Left - Crosspoint Pkwy	A	8.3	A	7.4	A	8.3	A	7.4	A	8.9	A	7.4
SB Left - Existing Dwy	B	11.6	B	11.0	B	11.7	B	11.1	B	13.8	B	13.4
SB Right - Existing Dwy	A	0.0	A	8.7	A	0.0	A	8.7	B	10.6	A	8.8

Notes:

1. A(2.8) = Level of Service (Delay in seconds per vehicle)
2. NB = Northbound, SB = Southbound, EB = Eastbound, WB = Westbound
3. (S) = Signalized; (U) = Unsignalized
4. N/A = Approach does not exist and/or was not analyzed during this condition
5. Green shaded cells indicate low delays, yellow shaded cells indicate moderate delays, red shaded cells indicate long delays.

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

1. N French Road at Crosspoint Parkway (Signalized)
All approaches operate at an acceptable LOS C or better under all conditions during both peak hours. There are no projected changes in level of service between background and full build conditions. The additional traffic volumes generated by the proposed project can be accommodated, as there is adequate intersection capacity. No capacity improvements are warranted nor recommended.

2. N French Road at Millersport Highway (Signalized)
All approaches operate at an acceptable LOS D or better under all conditions during both peak hours. There are no projected changes in level of service between background and full build conditions. The additional traffic volumes generated by the proposed project can be accommodated, as there is adequate intersection capacity. No capacity improvements are warranted nor recommended.

3. Millersport Highway at Crosspoint Parkway (Signalized)
All approaches operate at an acceptable LOS C or better under all conditions during both peak hours. There are no projected changes in level of service between background and full build conditions. The additional traffic volumes generated by the proposed project can be accommodated, as there is adequate intersection capacity. No capacity improvements are warranted nor recommended.

4. Millersport Highway at Hopkins Road (Unsignalized/Signalized)
Under the existing unsignalized condition, all approaches operate at an acceptable LOS C or better during both peak hours. Under the signalized background and full build conditions, all approaches operate at an acceptable LOS C or better during both peak hours. There are no projected changes in level of service between background and full build conditions. The additional traffic volumes generated by the proposed project can be accommodated, as there is adequate intersection capacity. No capacity improvements are warranted nor recommended. It is anticipated that signal timings will be refined in the future by NYSDOT once the traffic signal is installed and operating.

5. Millersport Highway at I-990 Exit Ramp (Signalized)
All approaches operate at an acceptable LOS C or better under all conditions during both peak hours. In between background and full build conditions the overall level of service for the intersection is projected to change from a LOS B to C during the PM peak hour, however, this is considered a borderline condition as the threshold between LOS B and C is 20.0 seconds per vehicle and the actual increase in delay projected is 1.8 seconds. No other changes in LOS anticipated and no improvements are warranted nor recommended at this location.

6. Millersport Highway at I-990 Entrance Ramp (Unsignalized)
All approaches operate at an acceptable LOS A under all conditions during both peak hours. There are no projected changes in level of service between background and full build conditions. The additional traffic volumes generated by the proposed project can be accommodated, as there is adequate intersection capacity. No capacity improvements are warranted nor recommended.

7. Crosspoint Parkway at Existing East Site Driveway (Unsignalized)
All approaches operate at an acceptable LOS B or better under all conditions during both peak hours. In between background and full build conditions the level of service for the southbound right approach is projected to change from a LOS A to and acceptable LOS B during the AM peak hour. No other changes in LOS anticipated and no improvements are warranted nor recommended at this location.

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

8.0 CONCLUSIONS AND RECOMMENDATIONS

This Traffic Impact Study identified and evaluated the potential traffic impacts that can be expected from the proposed parking lot development located at 3750 Millersport Highway along the west side of Millersport Highway in the Town of Amherst, NY. The results of this comprehensive study determined that the existing transportation network can adequately accommodate the projected traffic volumes and resulting minor impacts to study area intersections. The following sets forth the conclusions and recommendations based upon the results of the analyses:

1. The proposed project is expected to generate approximately 173 entering/24 exiting vehicle trips during the AM peak hour and 31 entering/151 exiting vehicle trips during the PM peak.

2. Based on the results of the crash analysis, there are no inherent safety deficiencies at any of the study intersections.

3. All approaches operate at an acceptable LOS D or better under existing, projected background, and full build conditions (with proposed development) during both peak hours at all study intersections.

4. Pursuant to the State Environmental Quality Review Act (SEQRA), this detailed analysis demonstrates that the proposed project, with the recommended improvements in place, does not result in any significant adverse traffic impacts even at full development.

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

9.0 REFERENCES

- Synchro 12 Software. Cubic ITS.
- Highway Capacity Manual (7th Edition). Transportation Research Board (TRB). Washington, DC. 2022.
- Trip Generation Manual (11th Edition). Institute of Transportation Engineers (ITE). Washington, DC. 2021.
- Parking Generation Manual (5th Edition). Institute of Transportation Engineers (ITE). Washington, DC. 2019.
- OnTheMap. United States Census Bureau. 2024.
- Traffic Data Viewer. New York State Department of Transportation (NYSDOT). 2024.
- Highway Functional Classification Concepts, Criteria, and Procedures. Federal Highway Administration (FHWA). 2023.

10.0 FIGURES

Figures 1 through 7 are included on the following pages.

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

HOPKINS ROAD
66 WIDE
(PUBLIC R.O.W.)

PROPERTY LINE

PARCEL "F"

S88°55'53"E
347.17'

S88°55'53"E
355.30'

S88°55'53"E
251.90'

30 FT FRONT YARD SETBACK

25 FT REAR YARD SETBACK

6" CONCRETE CURB

LIMIT 6" CONCRETE CURB, FULL DEPTH ASPHALT PAVEMENT

N00°33'43"E
182.20'

N89°26'17"W
11.87'

N00°33'43"E
170.04'

S89°26'17"E
80.43'

N00°33'43"E
48.00'

S89°26'17"E
55.55'

N00°33'43"E
26.78'

S89°26'17"E
2.00'

N00°33'43"E
42.73'

N89°26'17"W
32.53'

N89°26'17"W
2.00'

N00°33'43"E
2.00'

PARCEL "A"

OWNER NOW OR FORMERLY
CITIGOUP TECHOLOGY INC.
S.B.L. NO. 28.00-1-70.11
(580 CROSSPOINT PKWY)

N00°33'43"E
269.50'

25 FT REAR YARD SETBACK

PROPOSED RESTRIPING OF EXISTING PARKING SPACES TO CREATE 20 NEW ADA STALLS (TYP)

±33.49'

N39°54'09"E
58.08'

92.50'

107.40'

30 FT FRONT YARD SETBACK

N51°05'27"W
268.07'

CROSSPOINT PARKWAY
70' WIDE
(LIBER DEEDS PAGE 1580)
(PUBLIC R.O.W.)

S38°54'33"W
184.17'

PROPOSED CROSSING OVER TOWN DRAINAGE DITCH

S00°35'17"W
865.04'

5 FT SIDEWALK (TYP)

CROSSWALK (TYP)

PARKING SPACE (471 TOTAL TYP)

EXISTING TOWN DRAINAGE DITCH # 26A

EXISTING LOT LINE TO BE EXTINGUISHED AS PART OF LOT MERGER APPLICATION

PARCEL "B"

VACANT LOT
LOT AREA=
7.993 Acres ±

180

165

126

INFILTRATION BASIN

N89°24'43"W
183.42'

N89°24'43"W
219.84'

PRETREATMENT FOREBAY

OWNER NOW OR FORMERLY
ECP LLC
S.B.L. NO. 28.00-1-58.121
(600 CROSSPOINT PKWY)

TEMPORARY EASEMENT BY THE PEOPLE OF THE STATE OF NEW YORK BY MAP NO. 160, PARCEL 190 (LIBER 11430 DEEDS PAGE 4977)

OWNER NOW OR FORMERLY
CITIGOUP TECHOLOGY INC.
PARCEL "D" S.B.L. NO. 28.00-1-58.22
(2360 HOPKINS ROAD)

APPROPRIATION OF PROPERTY BY THE PEOPLE OF THE STATE OF NEW YORK BY MAP NO. 159, PARCEL 188 (LIBER 11430 DEEDS PAGE 4977)

APPROXIMATE LIMIT OF TEMPORARY EASEMENT LINE. PROPERTY LINE TO BE FINALIZED ONCE THE HOPKINS ROAD IMPROVEMENTS ARE RECORDED WITH ERIE COUNTY

S00°35'17"W
175.00'

S15°11'44"E
208.60'

N14°55'49"W
54.70'

N00°35'18"E
191.31'

20 FT FRONT YARD SETBACK

S00°29'17"W
64.55'

PARCEL "C"

N00°01'13"W
169.66'

S21°15'39"W
150.50'

S51°11'55"E
64.01'

R=30.00'
Δ=54°42'42"

N25°15'27"W
137.21'

S38°55'27"W
326.42'

20 FT FRONT YARD SETBACK

S38°55'27"W
276.35'

MILLERSPORT HIGHWAY
WIDTH VARIES
(PUBLIC R.O.W.)

LEGEND

EXISTING		PROPOSED
	BOUNDARY	
	EASEMENT	
	CENTERLINE	
	CURB	
	SIDEWALK	
	CURB RAMPS	
	SIGN	
	PAVEMENT MARKINGS	
	CROSSWALK STRIPING	
	FIRE HYDRANT	
	CATCH BASIN	
H2O	WATER VAULT	
	TREES	
	STORM DRAIN	
OH	OVERHEAD UTILITY	
	UTILITY POLE	
	LIGHT POLE	
	DRAINAGE DITCH	
	TREE LINE	

0 25 50 100
SCALE: 1" = 50'

RESERVED FOR TOWN OF AMHERST USE

WARE MALCOMB
LEADING DESIGN FOR COMMERCIAL REAL ESTATE

45 w 21st street
6th floor
new york, ny 10010
p 646.680.7000
waremalcomb.com

FOR AND ON BEHALF OF WARE MALCOMB

MAJOR SITE PLAN APPLICATION
CROSSPOINT PARKING EXPANSION
3750 MILLERSPORT HIGHWAY
AMHERST, NY 14068

OVERALL SITE PLAN

NO.	DATE	REMARKS

JOB NO.:	NYC24-4006
PA / PM:	E. WILKES
DESIGNED:	K. SEILER
DATE:	09/19/24
PLOT DATE:	10/18/24

SHEET
C4.0
Sheet 05 of 22

THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY AND COPYRIGHT OF WARE MALCOMB AND SHALL NOT BE USED ON ANY OTHER WORK EXCEPT BY AGREEMENT WITH WARE MALCOMB. WRITTEN DIMENSIONS SHALL TAKE PRECEDENCE OVER SCALED DIMENSIONS AND SHALL BE VERIFIED ON THE JOB SITE. ANY DISCREPANCY SHALL BE BROUGHT TO THE NOTICE OF WARE MALCOMB PRIOR TO THE COMMENCEMENT OF ANY WORK

W:\NYC\24\4006\00\Civil\CAD\Sheets\CD\NYC24-4006_C4.0_Overall Site Plan.dwg 10/18/2024 SAOUAKNINE 1:1

Attachment: SP-2019-13A application_112124 (29459 : SP-2019-13 A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

Figure 1

PASSERO engineering architecture



3750 Millersport Highway Parking Lot Expansion | Town of Amherst, Erie County, NY

0 500 1,000 2,000 Feet N

Site Location and Study Area

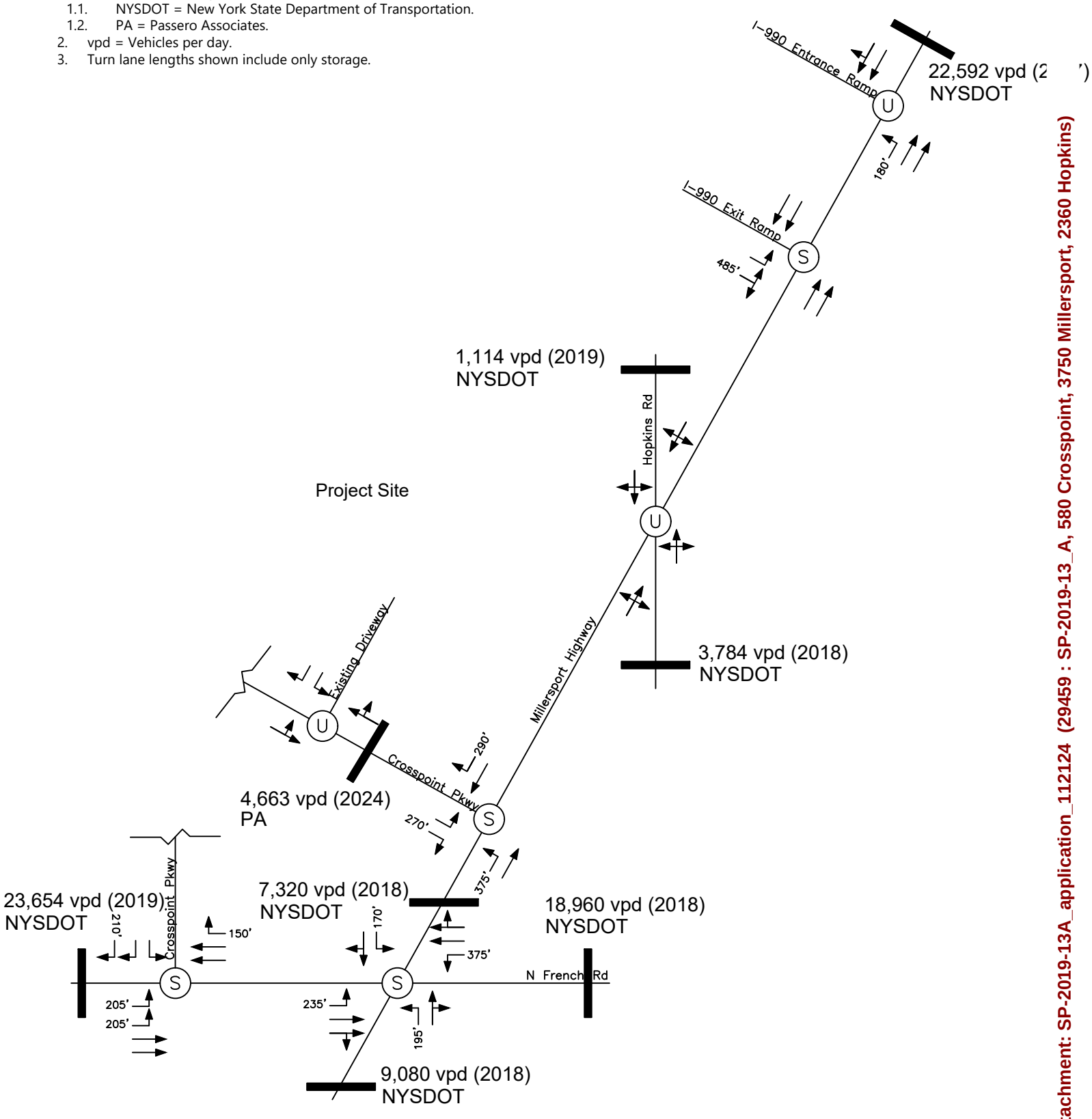
Key:
- # Study Intersection
- # Proposed Intersection
- Study Area

Proje

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

Figure 2

Notes:
1. All AADT volumes by those noted:
   1.1. NYSDOT = New York State Department of Transportation.
   1.2. PA = Passero Associates.
2. vpd = Vehicles per day.
3. Turn lane lengths shown include only storage.



3750 Millersport Highway Parking Expansion, Town of Amherst, NY

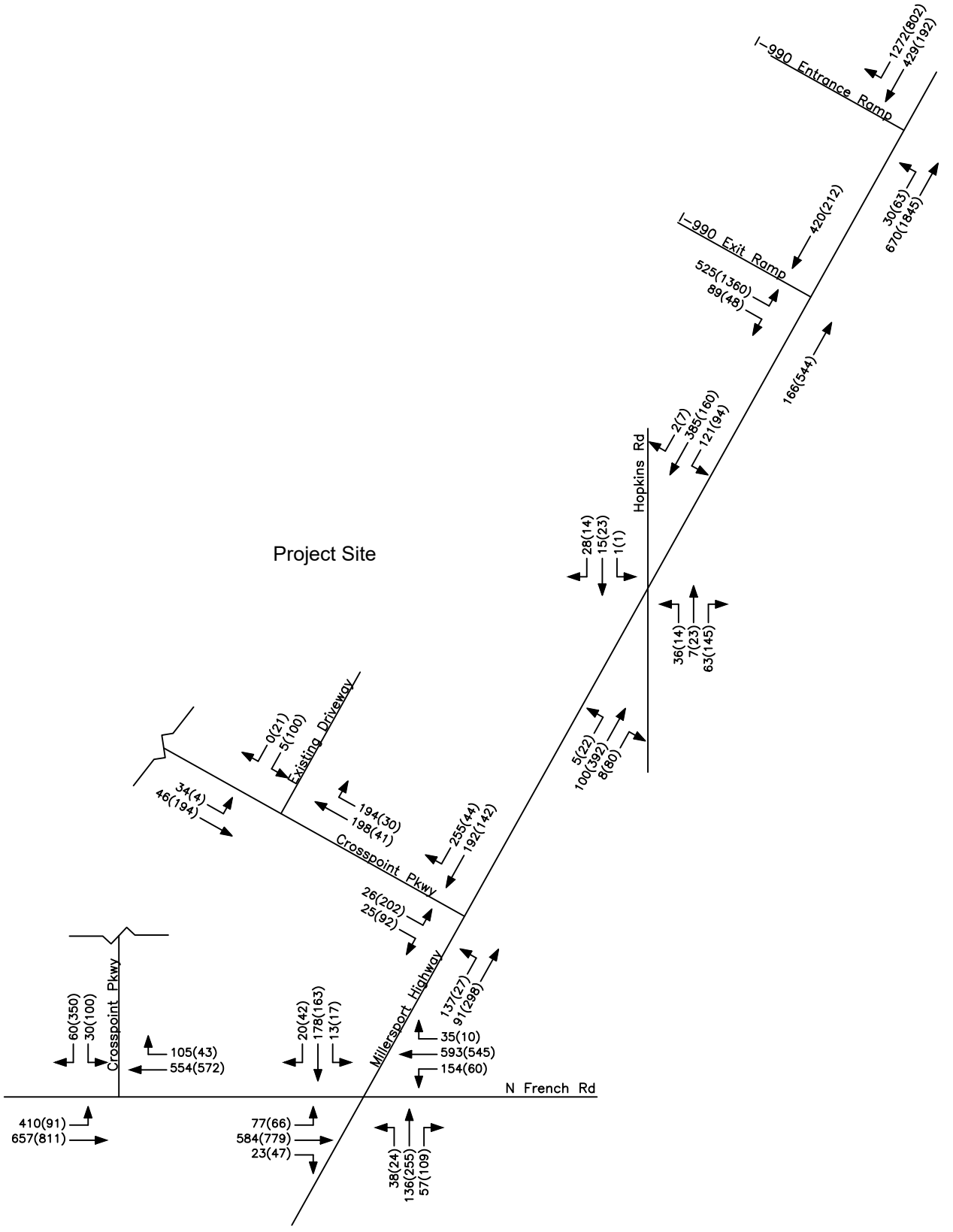
N
NOT TO SCALE

Lane Geometry and Average Daily Traffic

KEY:
U = Unsignalized
S = Signalized

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

Figure 3



3750 Millersport Highway Parking Expansion, Town of Amherst, NY

N
NOT TO SCALE

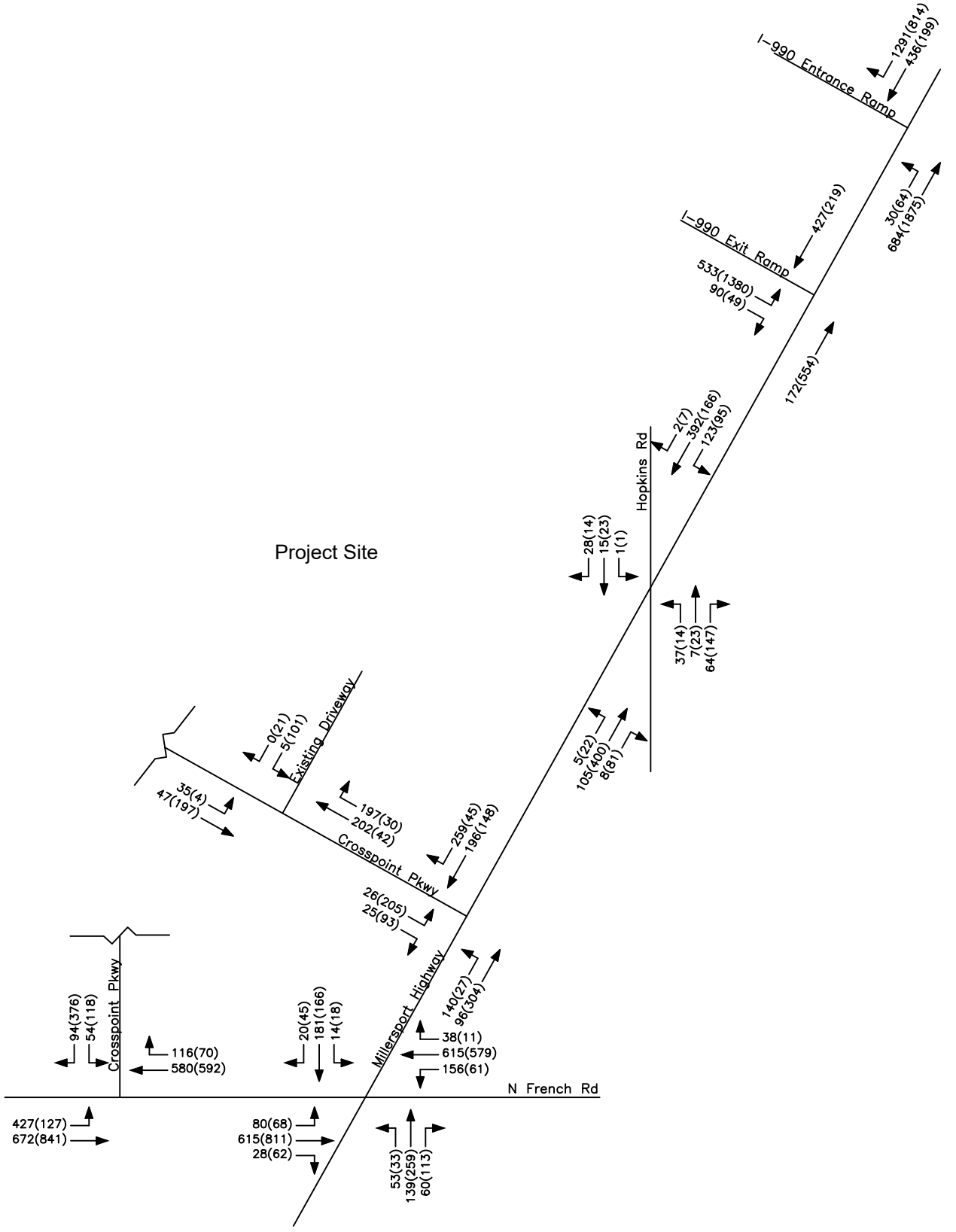
Peak Hour Volumes
Existing Base Conditions

KEY:
00(00) = AM(PM)

Project Number: 20243961.0001

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

Figure 4



3750 Millersport Highway Parking Expansion, Town of Amherst, NY

Peak Hour Volumes
2025 Background Conditions

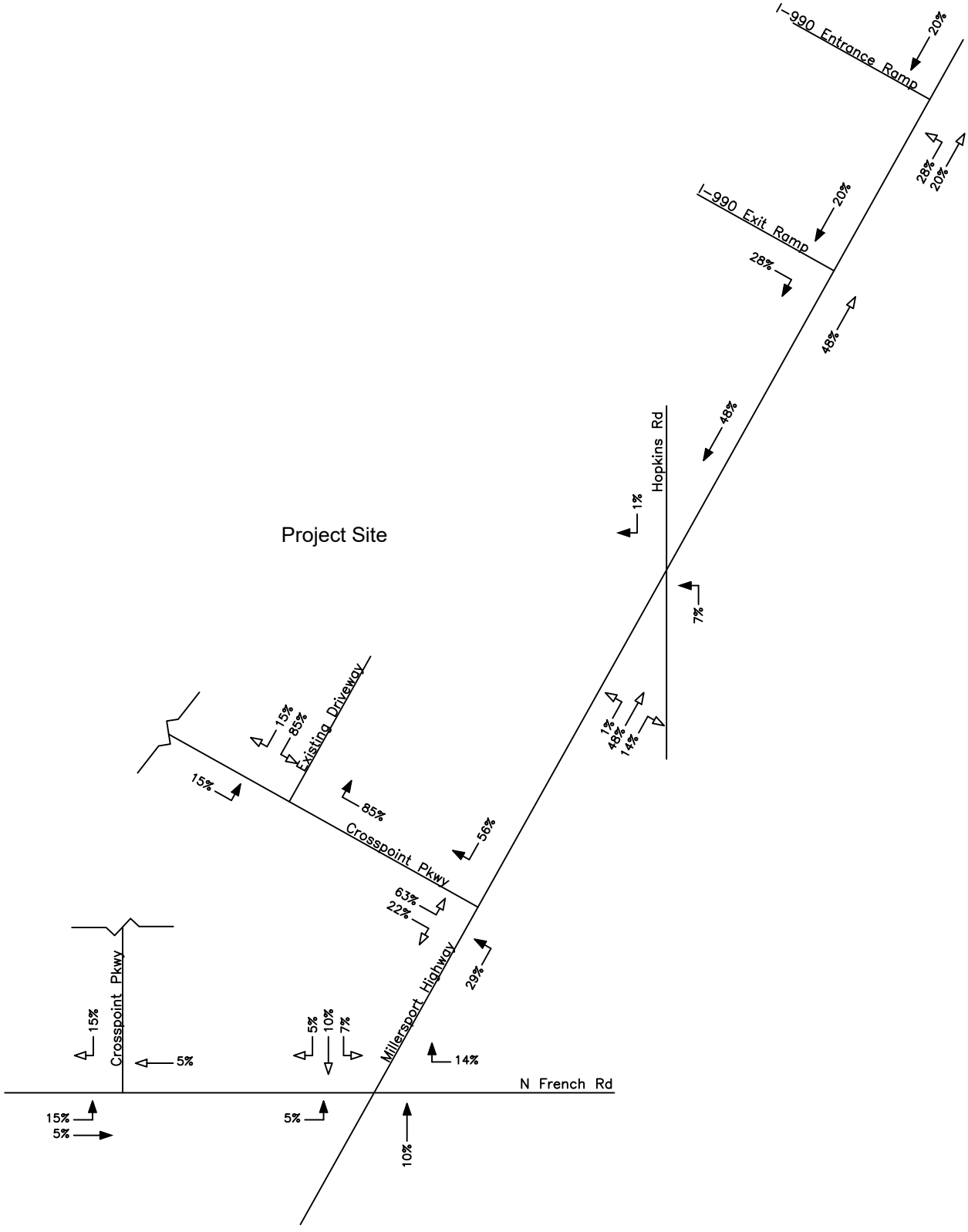
N
NOT TO SCALE

KEY:
00(00) = AM(PM)

Project Number: 20243961.0001

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

Figure 5



3750 Millersport Highway Parking Expansion, Town of Amherst, NY

N
NOT TO SCALE

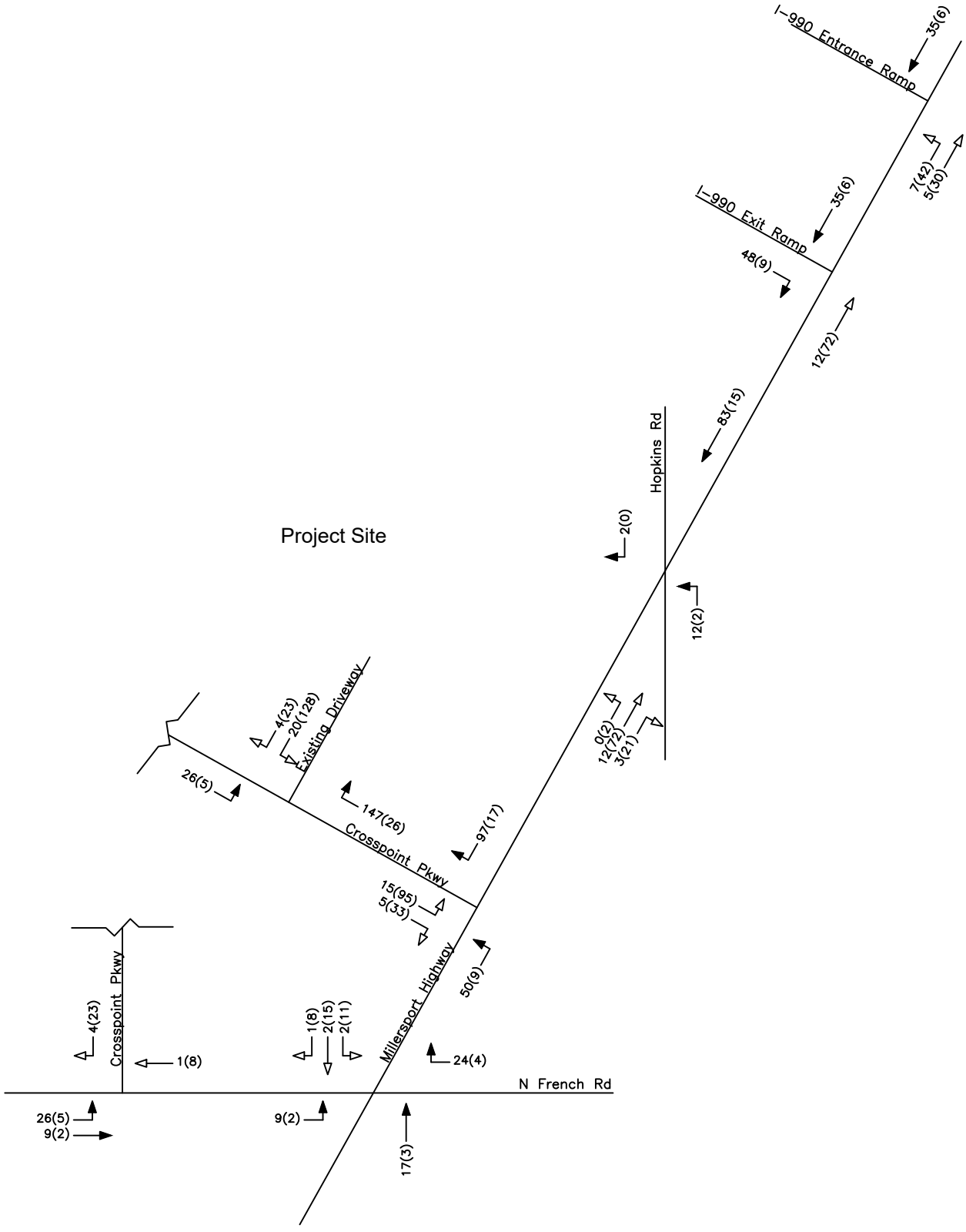
Trip Distribution

KEY:
00(00) = AM(PM)
→ Entering Trip
→ Exiting Trip

Project Number: 20243961.0001

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

Figure 6



3750 Millersport Highway Parking Expansion, Town of Amherst, NY

N
NOT TO SCALE

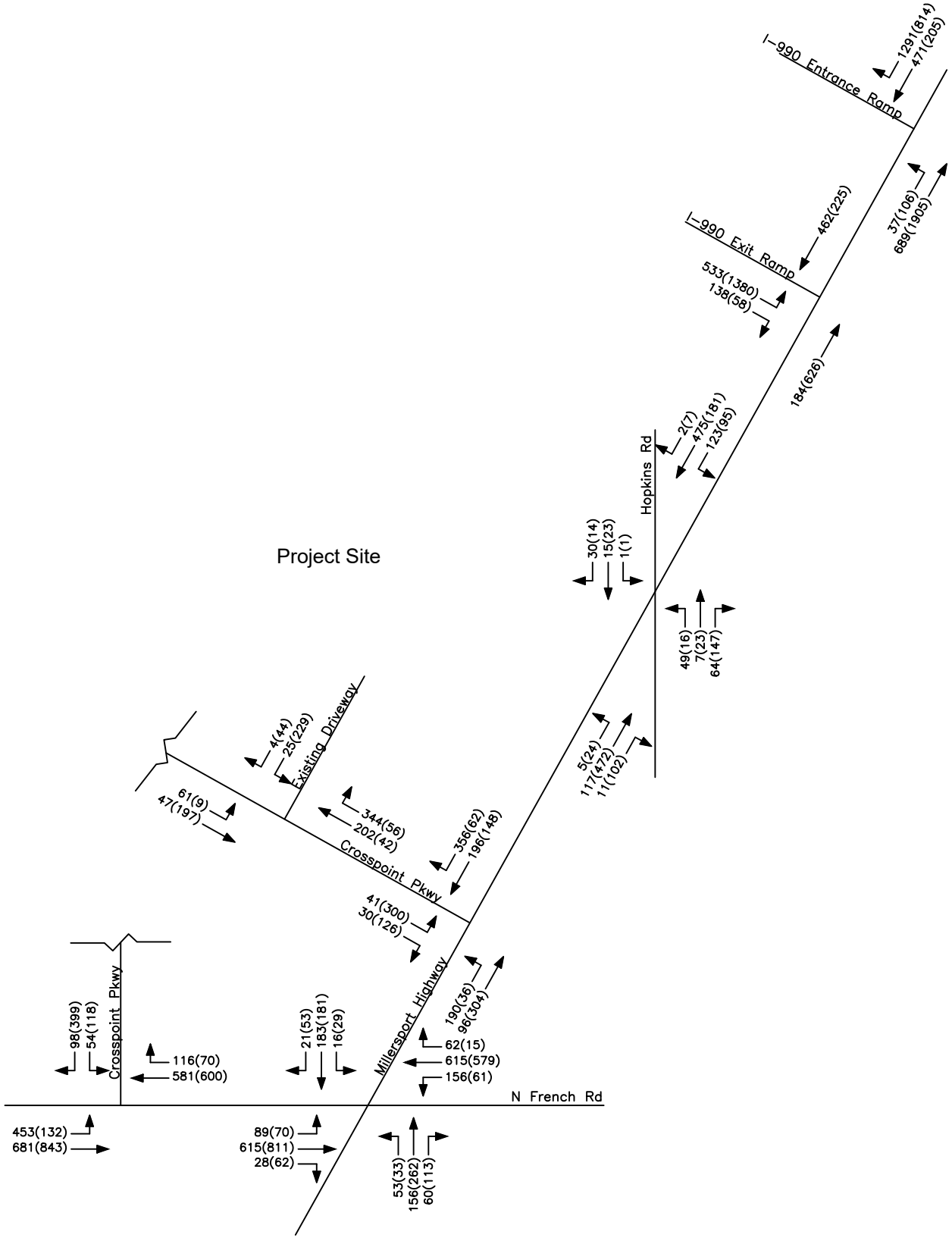
Site Generated Trips

KEY:
00(00) = AM(PM)
→ Entering Trip
→ Exiting Trip

Project Number: 20243961.0001

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

Figure 7



3750 Millersport Highway Parking Expansion, Town of Amherst, NY

N
NOT TO SCALE

Peak Hour Volumes
Full Build Conditions

KEY:
00(00) = AM(PM)

Project Number: 20243961.0001

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

APPENDICES

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

APPENDIX A: EXISTING TRAFFIC COUNT DATA

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

Summary	
Study Name	North French Road and Crosspoint Parkway
Project	
Project Code	
Legs and Movements	
Bin Size	15 minutes
Time Zone	
Start Time	2024-08-29 07:00:00 +0000
End Time	2024-08-30 09:00:00 +0000
Location	North French Road and Crosspoint Parkway
Latitude and Longitude	43.03478807,-78.75076549

AM Peak	7:15-8:15
Midday Peak	
PM Peak (Overall Peak Hour)	

ArticulatedTruck

Entry	North		East		West	
Direction	Southbound		Westbound		Eastbound	
Start Time	Left	Right	Thru	Right	Left	Thru
2024-08-29 07:00:00 +(	0	0	3	0	0	0
2024-08-29 07:15:00 +(	0	0	0	0	0	1
2024-08-29 07:30:00 +(	0	0	0	0	0	0
2024-08-29 07:45:00 +(	0	0	0	0	0	0
2024-08-29 08:00:00 +(	0	0	0	0	0	2
2024-08-29 08:15:00 +(	0	0	0	0	0	0
2024-08-29 08:30:00 +(	0	0	0	0	0	0
2024-08-29 08:45:00 +(	0	0	0	0	0	1

Bicycle

Entry	North		East		West	
Direction	Southbound		Westbound		Eastbound	
Start Time	Left	Right	Thru	Right	Left	Thru
2024-08-29 07:00:00 +(	0	0	0	0	0	0
2024-08-29 07:15:00 +(	0	0	0	0	0	0
2024-08-29 07:30:00 +(	0	0	0	0	0	0
2024-08-29 07:45:00 +(	0	0	0	0	0	0
2024-08-29 08:00:00 +(	0	0	0	0	0	0
2024-08-29 08:15:00 +(	0	0	0	0	0	0
2024-08-29 08:30:00 +(	0	0	0	0	0	0
2024-08-29 08:45:00 +(	0	0	0	0	0	0

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

Bus

Entry	North		East		West	
Direction	Southbound		Westbound		Eastbound	
Start Time	Left	Right	Thru	Right	Left	Thru
2024-08-29 07:00:00 +(	0	0	0	1	0	0
2024-08-29 07:15:00 +(	0	1	0	0	0	1
2024-08-29 07:30:00 +(	0	0	0	0	0	0
2024-08-29 07:45:00 +(	1	1	0	1	0	0
2024-08-29 08:00:00 +(	0	0	0	0	0	0
2024-08-29 08:15:00 +(	1	0	0	1	0	1
2024-08-29 08:30:00 +(	0	0	0	0	0	0
2024-08-29 08:45:00 +(	1	0	0	1	0	0

Lights

Entry	North		East		West	
Direction	Southbound		Westbound		Eastbound	
Start Time	Left	Right	Thru	Right	Left	Thru
2024-08-29 07:00:00 +(	5	15	112	19	66	85
2024-08-29 07:15:00 +(	9	8	116	19	89	136
2024-08-29 07:30:00 +(	7	19	146	21	91	200
2024-08-29 07:45:00 +(	7	12	120	36	149	188
2024-08-29 08:00:00 +(	7	13	138	28	93	113
2024-08-29 08:15:00 +(	6	13	127	18	77	135
2024-08-29 08:30:00 +(	2	6	147	18	66	144
2024-08-29 08:45:00 +(	6	9	148	27	83	157

MotorizedVehicle

Entry	North		East		West	
Direction	Southbound		Westbound		Eastbound	
Start Time	Left	Right	Thru	Right	Left	Thru
2024-08-29 07:00:00 +(	0	0	0	0	0	0
2024-08-29 07:15:00 +(	0	0	0	0	0	0
2024-08-29 07:30:00 +(	0	0	0	0	0	0
2024-08-29 07:45:00 +(	0	0	0	0	0	0
2024-08-29 08:00:00 +(	0	0	0	0	0	0
2024-08-29 08:15:00 +(	0	0	0	0	0	0
2024-08-29 08:30:00 +(	0	0	0	0	0	0
2024-08-29 08:45:00 +(	0	0	0	0	0	0

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

SingleUnitTruck

Entry	North		East		West			
Direction	Southbound		Westbound		Eastbound			
Start Time	Left	Right	Thru	Right	Left	Thru		
2024-08-29 07:00:00 +(	1	1	2	0	0	7		
2024-08-29 07:15:00 +(	0	2	5	0	0	3		
2024-08-29 07:30:00 +(	0	1	6	0	0	2		
2024-08-29 07:45:00 +(	1	1	5	0	0	6		
2024-08-29 08:00:00 +(	0	0	6	0	0	5		
2024-08-29 08:15:00 +(	0	0	6	0	0	5		
2024-08-29 08:30:00 +(	0	0	10	0	0	3		
2024-08-29 08:45:00 +(	0	0	3	0	0	9		

Total

Entry	North		East		West			
Direction	Southbound		Westbound		Eastbound			
Start Time	Left	Right	Thru	Right	Left	Thru	Total	
2024-08-29 07:00:00 +(	6	16	117	20	66	92	317	
2024-08-29 07:15:00 +(	9	11	121	19	89	141	390	
2024-08-29 07:30:00 +(	7	20	152	21	91	202	493	
2024-08-29 07:45:00 +(	9	14	125	37	149	194	528	1728
2024-08-29 08:00:00 +(	7	13	144	28	93	120	405	1816
2024-08-29 08:15:00 +(	7	13	133	19	77	141	390	1816
2024-08-29 08:30:00 +(	2	6	157	18	66	147	396	1719
2024-08-29 08:45:00 +(	7	9	151	28	83	167	445	1636
Peak Hour Volumes	30	60	554	105	410	657		
HV%	10.00%	5.00%	4.20%	1.90%	0.00%	3.20%		

PHF = 0.86

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

Summary

Study Name	North French Road and Crosspoint Parkway
Project	
Project Code	
Legs and Movements	
Bin Size	15 minutes
Time Zone	
Start Time	2024-08-29 16:00:00 +0000
End Time	2024-08-30 18:00:00 +0000
Location	North French Road and Crosspoint Parkway
Latitude and Longitude	43.03478807,-78.75076549

AM Peak	
Midday Peak	
PM Peak (Overall Peak	16:30-17:30

ArticulatedTruck

Entry	North		East		West	
Direction	Southbound		Westbound		Eastbound	
Start Time	Left	Right	Thru	Right	Left	Thru
2024-08-29 16:00:00 -	0	0	2	0	0	1
2024-08-29 16:15:00 -	0	0	1	0	0	0
2024-08-29 16:30:00 -	0	0	1	0	0	0
2024-08-29 16:45:00 -	0	0	0	0	1	0
2024-08-29 17:00:00 -	0	0	1	0	0	0
2024-08-29 17:15:00 -	0	0	1	0	0	0
2024-08-29 17:30:00 -	0	1	0	0	0	1
2024-08-29 17:45:00 -	0	1	0	0	0	0

Bicycle

Entry	North		East		West	
Direction	Southbound		Westbound		Eastbound	
Start Time	Left	Right	Thru	Right	Left	Thru
2024-08-29 16:00:00 -	0	0	0	0	0	0
2024-08-29 16:15:00 -	0	0	0	0	0	0
2024-08-29 16:30:00 -	0	0	0	0	0	0
2024-08-29 16:45:00 -	0	0	1	0	0	0
2024-08-29 17:00:00 -	0	0	0	0	0	0
2024-08-29 17:15:00 -	0	0	0	0	0	0
2024-08-29 17:30:00 -	0	1	0	0	0	0
2024-08-29 17:45:00 -	0	0	0	0	0	0

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

Bus

Entry	North		East		West	
Direction	Southbound		Westbound		Eastbound	
Start Time	Left	Right	Thru	Right	Left	Thru
2024-08-29 16:00:00	0	0	0	1	0	0
2024-08-29 16:15:00	1	0	0	1	0	0
2024-08-29 16:30:00	1	0	0	0	0	0
2024-08-29 16:45:00	0	0	0	0	0	0
2024-08-29 17:00:00	1	0	0	0	1	0
2024-08-29 17:15:00	0	0	0	0	0	0
2024-08-29 17:30:00	0	0	0	1	1	0
2024-08-29 17:45:00	0	0	1	0	0	0

Lights

Entry	North		East		West	
Direction	Southbound		Westbound		Eastbound	
Start Time	Left	Right	Thru	Right	Left	Thru
2024-08-29 16:00:00	18	67	160	11	22	192
2024-08-29 16:15:00	17	48	134	10	18	198
2024-08-29 16:30:00	35	128	149	14	27	210
2024-08-29 16:45:00	13	70	146	8	24	195
2024-08-29 17:00:00	32	104	133	9	20	196
2024-08-29 17:15:00	30	82	142	13	16	181
2024-08-29 17:30:00	19	61	165	7	10	187
2024-08-29 17:45:00	14	42	121	8	17	195

MotorizedVehicle

Entry	North		East		West	
Direction	Southbound		Westbound		Eastbound	
Start Time	Left	Right	Thru	Right	Left	Thru
2024-08-29 16:00:00	0	0	0	0	0	0
2024-08-29 16:15:00	0	0	0	0	0	0
2024-08-29 16:30:00	0	0	0	0	0	0
2024-08-29 16:45:00	0	0	0	0	0	0
2024-08-29 17:00:00	0	0	0	0	0	0
2024-08-29 17:15:00	0	0	0	0	0	0
2024-08-29 17:30:00	0	0	0	0	0	0
2024-08-29 17:45:00	0	0	0	0	0	0

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

SingleUnitTruck

Entry	North		East		West		
Direction	Southbound		Westbound		Eastbound		
Start Time	Left	Right	Thru	Right	Left	Thru	
2024-08-29 16:00:00	0	1	4	0	0	1	
2024-08-29 16:15:00	0	0	1	1	0	4	
2024-08-29 16:30:00	0	0	1	0	0	3	
2024-08-29 16:45:00	0	0	2	0	0	3	
2024-08-29 17:00:00	0	0	3	0	0	2	
2024-08-29 17:15:00	0	0	0	0	1	2	
2024-08-29 17:30:00	0	1	0	0	0	1	
2024-08-29 17:45:00	0	0	1	0	0	2	

Total

Entry	North		East		West			
Direction	Southbound		Westbound		Eastbound			
Start Time	Left	Right	Thru	Right	Left	Thru	Total	
2024-08-29 16:00:00	18	68	166	12	22	194	480	
2024-08-29 16:15:00	18	48	136	12	18	202	434	
2024-08-29 16:30:00	36	128	151	14	27	213	569	
2024-08-29 16:45:00	13	70	148	8	25	198	462	1945
2024-08-29 17:00:00	33	104	137	9	21	198	502	1967
2024-08-29 17:15:00	30	82	143	13	17	183	468	2001
2024-08-29 17:30:00	19	63	165	8	11	189	455	1887
2024-08-29 17:45:00	14	43	123	8	17	197	402	1827
Peak Hour Volumes	100	350	572	43	91	811	1967	
HV%	3.00%	0.00%	1.70%	4.70%	2.20%	1.50%		
							PHF =	0.864

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

PASSERO ASSOCIATES

242 W Main St, Suite 100
Rochester, NY 14614

File Name : French & Millersport AM
Site Code : 00200869
Start Date : 8/29/2024
Page No : 1

Groups Printed- All Vehicles - Heavy Trucks

	N French Rd From West					N French Rd From East					Hopkins Rd From South					Hopkins Rd From North					
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Int. Total
07:00 AM	4	88	4	0	96	5	130	19	0	154	6	27	8	0	41	4	24	0	0	28	319
07:15 AM	3	136	11	1	151	9	128	21	0	158	9	26	7	0	42	3	42	0	0	45	396
07:30 AM	5	180	12	0	197	7	163	45	0	215	13	26	5	0	44	8	46	5	0	59	515
07:45 AM	5	192	11	0	208	7	141	34	0	182	16	42	13	0	71	4	48	5	0	57	518
Total	17	596	38	1	652	28	562	119	0	709	44	121	33	0	198	19	160	10	0	189	1748
08:00 AM	6	100	22	0	128	10	150	29	0	189	15	40	12	0	67	3	42	1	0	46	430
08:15 AM	7	112	32	1	152	11	139	46	0	196	13	28	8	0	49	5	42	2	0	49	446
08:30 AM	4	116	22	0	142	11	159	31	0	201	13	35	6	0	54	5	43	4	0	52	449
08:45 AM	12	134	17	0	163	7	152	31	0	190	16	34	16	0	66	3	59	0	0	62	481
Total	29	462	93	1	585	39	600	137	0	776	57	137	42	0	236	16	186	7	0	209	1806
Grand Total	46	1058	131	2	1237	67	1162	256	0	1485	101	258	75	0	434	35	346	17	0	398	3554
Apprch %	3.7	85.5	10.6	0.2		4.5	78.2	17.2	0		23.3	59.4	17.3	0		8.8	86.9	4.3	0		
Total %	1.3	29.8	3.7	0.1	34.8	1.9	32.7	7.2	0	41.8	2.8	7.3	2.1	0	12.2	1	9.7	0.5	0	11.2	
All Vehicles	36	1003	129	2	1170	64	1094	245	0	1403	96	239	70	0	405	33	336	13	0	382	3360
% All Vehicles	78.3	94.8	98.5	100	94.6	95.5	94.1	95.7	0	94.5	95	92.6	93.3	0	93.3	94.3	97.1	76.5	0	96	94.5
Heavy Trucks	10	55	2	0	67	3	68	11	0	82	5	19	5	0	29	2	10	4	0	16	194
% Heavy Trucks	21.7	5.2	1.5	0	5.4	4.5	5.9	4.3	0	5.5	5	7.4	6.7	0	6.7	5.7	2.9	23.5	0	4	5.5

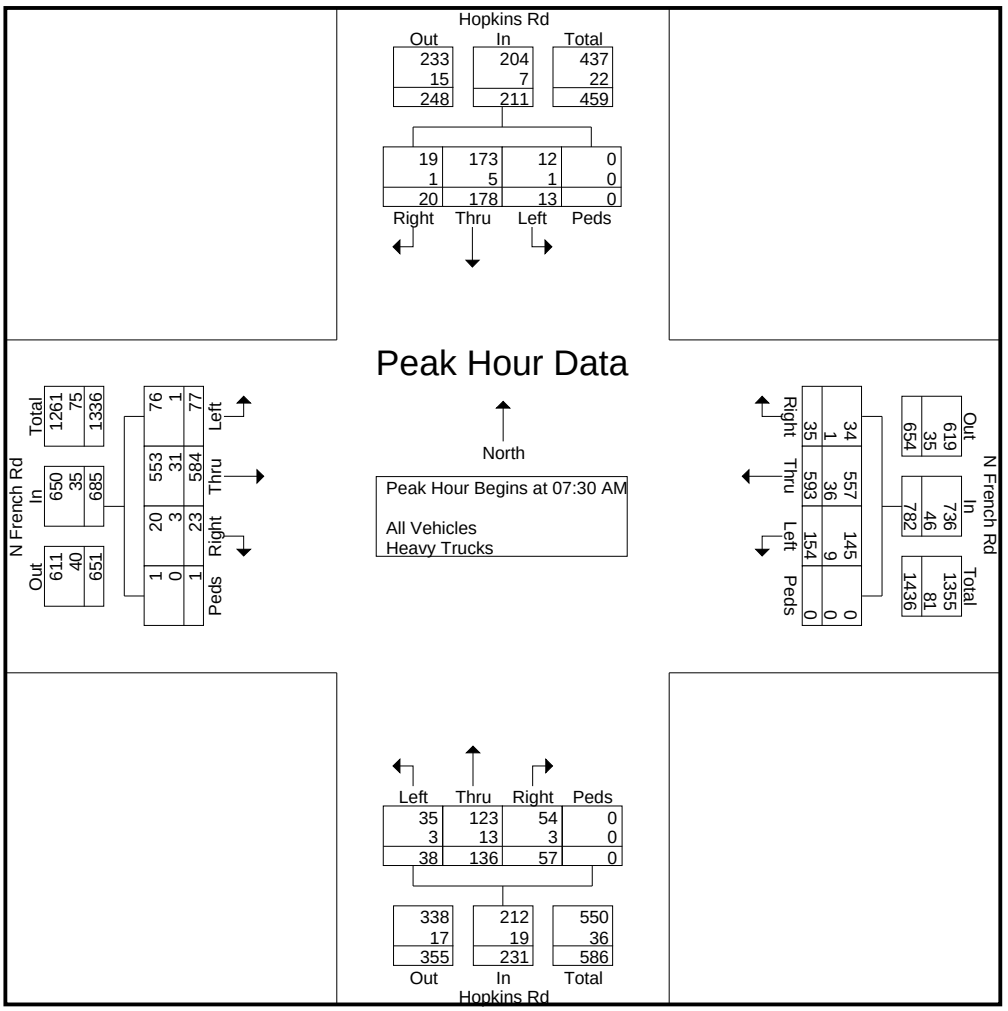
Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

PASSERO ASSOCIATES

242 W Main St, Suite 100
Rochester, NY 14614

File Name : French & Millersport AM
Site Code : 00200869
Start Date : 8/29/2024
Page No : 2

	N French Rd From West					N French Rd From East					Hopkins Rd From South					Hopkins Rd From North					
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Int. Total
Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 07:30 AM																					
07:30 AM	5	180	12	0	197	7	**163**	45	0	**215**	13	26	5	0	44	**8**	46	**5**	0	**59**	515
07:45 AM	5	**192**	11	0	**208**	7	141	34	0	182	**16**	**42**	**13**	0	**71**	4	**48**	5	0	57	**518**
08:00 AM	6	100	22	0	128	10	150	29	0	189	15	40	12	0	67	3	42	1	0	46	430
08:15 AM	**7**	112	**32**	**1**	152	**11**	139	**46**	0	196	13	28	8	0	49	5	42	2	0	49	446
Total Volume	23	584	77	1	685	35	593	154	0	782	57	136	38	0	231	20	178	13	0	211	1909
% App. Total	3.4	85.3	11.2	0.1		4.5	75.8	19.7	0		24.7	58.9	16.5	0		9.5	84.4	6.2	0		
PHF	.821	.760	.602	.250	.823	.795	.910	.837	.000	.909	.891	.810	.731	.000	.813	.625	.927	.650	.000	.894	.921
All Vehicles	20	553	76	1	650	34	557	145	0	736	54	123	35	0	212	19	173	12	0	204	1802
% All Vehicles	87.0	94.7	98.7	100	94.9	97.1	93.9	94.2	0	94.1	94.7	90.4	92.1	0	91.8	95.0	97.2	92.3	0	96.7	94.4
Heavy Trucks	3	31	1	0	35	1	36	9	0	46	3	13	3	0	19	1	5	1	0	7	107
% Heavy Trucks	13.0	5.3	1.3	0	5.1	2.9	6.1	5.8	0	5.9	5.3	9.6	7.9	0	8.2	5.0	2.8	7.7	0	3.3	5.6



Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

PASSERO ASSOCIATES

242 W Main St, Suite 100
Rochester, NY 14614

File Name : French & Millersport PM
Site Code : 00200869
Start Date : 8/29/2024
Page No : 1

Groups Printed- All Vehicles - Heavy Trucks

	N French Rd From West					N French Rd From East					Hopkins Rd From South					Hopkins Rd From North					
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Int. Total
04:00 PM	7	180	12	0	199	1	151	17	0	169	39	71	8	0	118	10	34	8	0	52	538
04:15 PM	9	199	10	0	218	3	145	18	0	166	30	72	8	0	110	8	45	1	0	54	548
04:30 PM	17	209	19	0	245	2	136	16	0	154	20	69	7	0	96	12	59	8	0	79	574
04:45 PM	7	180	13	0	200	5	145	14	1	165	29	51	3	0	83	8	29	2	0	39	487
Total	40	768	54	0	862	11	577	65	1	654	118	263	26	0	407	38	167	19	0	224	2147
05:00 PM	14	191	24	0	229	0	119	12	0	131	30	63	6	0	99	14	30	6	0	50	509
05:15 PM	13	184	15	0	212	3	147	24	0	174	28	57	4	0	89	14	53	7	0	74	549
05:30 PM	5	166	17	0	188	2	150	24	0	176	22	49	6	0	77	15	39	3	0	57	498
05:45 PM	5	193	11	0	209	4	127	19	0	150	22	37	3	0	62	8	30	4	0	42	463
Total	37	734	67	0	838	9	543	79	0	631	102	206	19	0	327	51	152	20	0	223	2019
Grand Total	77	1502	121	0	1700	20	1120	144	1	1285	220	469	45	0	734	89	319	39	0	447	4166
Apprch %	4.5	88.4	7.1	0		1.6	87.2	11.2	0.1		30	63.9	6.1	0		19.9	71.4	8.7	0		
Total %	1.8	36.1	2.9	0	40.8	0.5	26.9	3.5	0	30.8	5.3	11.3	1.1	0	17.6	2.1	7.7	0.9	0	10.7	
All Vehicles	73	1468	119	0	1660	20	1085	138	1	1244	220	464	41	0	725	88	312	39	0	439	4068
% All Vehicles	94.8	97.7	98.3	0	97.6	100	96.9	95.8	100	96.8	100	98.9	91.1	0	98.8	98.9	97.8	100	0	98.2	97.6
Heavy Trucks	4	34	2	0	40	0	35	6	0	41	0	5	4	0	9	1	7	0	0	8	98
% Heavy Trucks	5.2	2.3	1.7	0	2.4	0	3.1	4.2	0	3.2	0	1.1	8.9	0	1.2	1.1	2.2	0	0	1.8	2.4

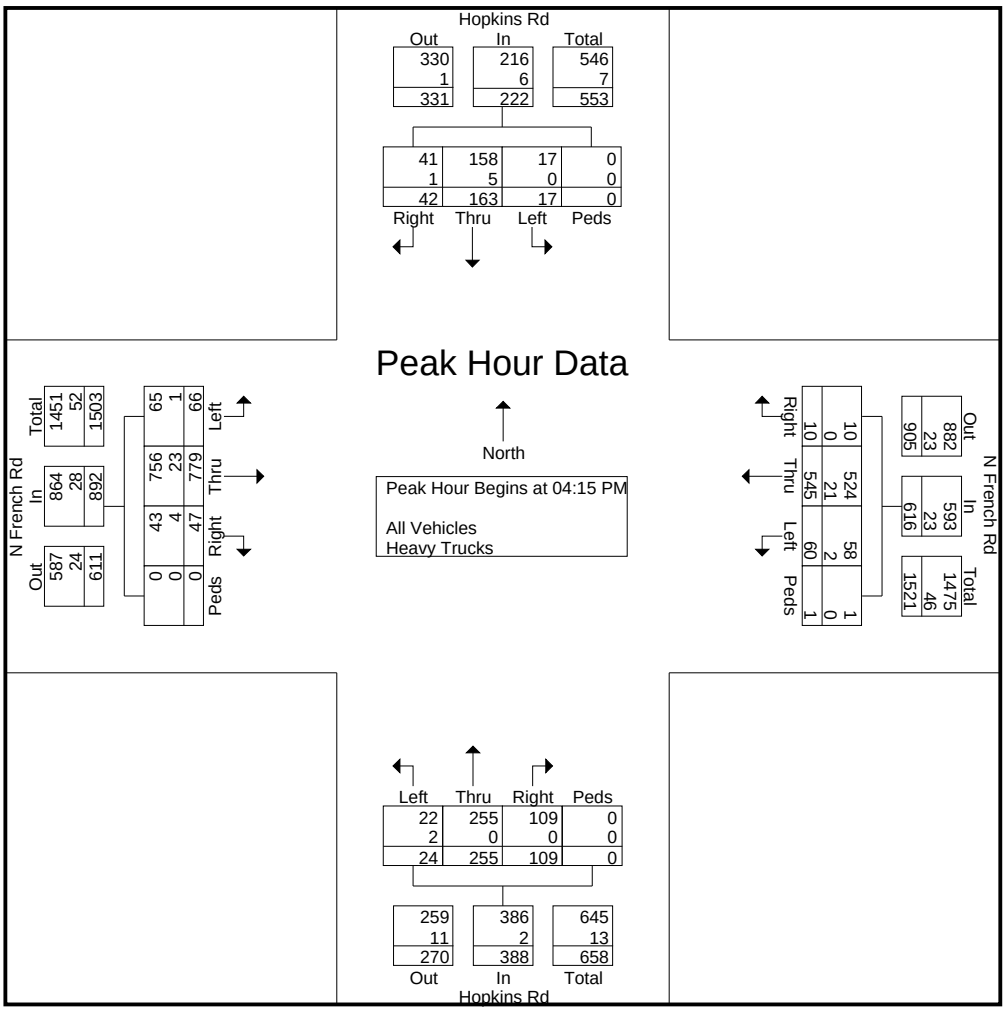
Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

PASSERO ASSOCIATES

242 W Main St, Suite 100
Rochester, NY 14614

File Name : French & Millersport PM
Site Code : 00200869
Start Date : 8/29/2024
Page No : 2

	N French Rd From West					N French Rd From East					Hopkins Rd From South					Hopkins Rd From North					
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Int. Total
Peak Hour Analysis From 04:15 PM to 05:00 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 04:15 PM																					
04:15 PM	9	199	10	0	218	3	**145**	**18**	0	**166**	**30**	**72**	**8**	0	**110**	8	45	1	0	54	548
04:30 PM	**17**	**209**	19	0	**245**	2	136	16	0	154	20	69	7	0	96	12	**59**	**8**	0	**79**	**574**
04:45 PM	7	180	13	0	200	**5**	145	14	**1**	165	29	51	3	0	83	8	29	2	0	39	487
05:00 PM	14	191	**24**	0	229	0	119	12	0	131	30	63	6	0	99	**14**	30	6	0	50	509
Total Volume	47	779	66	0	892	10	545	60	1	616	109	255	24	0	388	42	163	17	0	222	2118
% App. Total	5.3	87.3	7.4	0		1.6	88.5	9.7	0.2		28.1	65.7	6.2	0		18.9	73.4	7.7	0		
PHF	.691	.932	.688	.000	.910	.500	.940	.833	.250	.928	.908	.885	.750	.000	.882	.750	.691	.531	.000	.703	.922
All Vehicles	43	756	65	0	864	10	524	58	1	593	109	255	22	0	386	41	158	17	0	216	2059
% All Vehicles	91.5	97.0	98.5	0	96.9	100	96.1	96.7	100	96.3	100	100	91.7	0	99.5	97.6	96.9	100	0	97.3	97.2
Heavy Trucks	4	23	1	0	28	0	21	2	0	23	0	0	2	0	2	1	5	0	0	6	59
% Heavy Trucks	8.5	3.0	1.5	0	3.1	0	3.9	3.3	0	3.7	0	0	8.3	0	0.5	2.4	3.1	0	0	2.7	2.8



Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

PASSERO ASSOCIATES

242 W Main St, Suite 100
Rochester, NY 14614

File Name : Millersport at Crosspoint AM
Site Code : 11111111
Start Date : 8/29/2024
Page No : 1

Groups Printed- Unshifted - Bank 1

	Millersport Highway From North					From East					Millersport Highway From South					Crosspoint From West					
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Int. Total
07:00 AM	25	29	0	0	54	0	0	0	0	0	0	23	15	0	38	1	0	2	0	3	95
07:15 AM	29	39	0	0	68	0	0	0	0	0	0	25	21	0	46	4	0	3	0	7	121
07:30 AM	36	45	0	0	81	0	0	0	0	0	0	20	23	0	43	8	0	4	0	12	136
07:45 AM	84	52	0	0	136	0	0	0	0	0	0	21	36	0	57	7	0	8	0	15	208
Total	174	165	0	0	339	0	0	0	0	0	0	89	95	0	184	20	0	17	0	37	560
08:00 AM	68	42	0	0	110	0	0	0	0	0	0	34	38	0	72	3	0	11	0	14	196
08:15 AM	67	53	0	0	120	0	0	0	0	0	0	16	40	0	56	7	0	3	0	10	186
08:30 AM	51	42	0	0	93	0	0	0	0	0	0	32	37	0	69	8	0	5	0	13	175
08:45 AM	41	49	0	0	90	0	0	0	0	0	0	31	27	0	58	6	0	6	0	12	160
Total	227	186	0	0	413	0	0	0	0	0	0	113	142	0	255	24	0	25	0	49	717
Grand Total	401	351	0	0	752	0	0	0	0	0	0	202	237	0	439	44	0	42	0	86	1277
Apprch %	53.3	46.7	0	0		0	0	0	0		0	46	54	0		51.2	0	48.8	0		
Total %	31.4	27.5	0	0	58.9	0	0	0	0	0	0	15.8	18.6	0	34.4	3.4	0	3.3	0	6.7	
Unshifted	396	345	0	0	741	0	0	0	0	0	0	188	237	0	425	44	0	39	0	83	1249
% Unshifted	98.8	98.3	0	0	98.5	0	0	0	0	0	0	93.1	100	0	96.8	100	0	92.9	0	96.5	97.8
Bank 1	5	6	0	0	11	0	0	0	0	0	0	14	0	0	14	0	0	3	0	3	28
% Bank 1	1.2	1.7	0	0	1.5	0	0	0	0	0	0	6.9	0	0	3.2	0	0	7.1	0	3.5	2.2

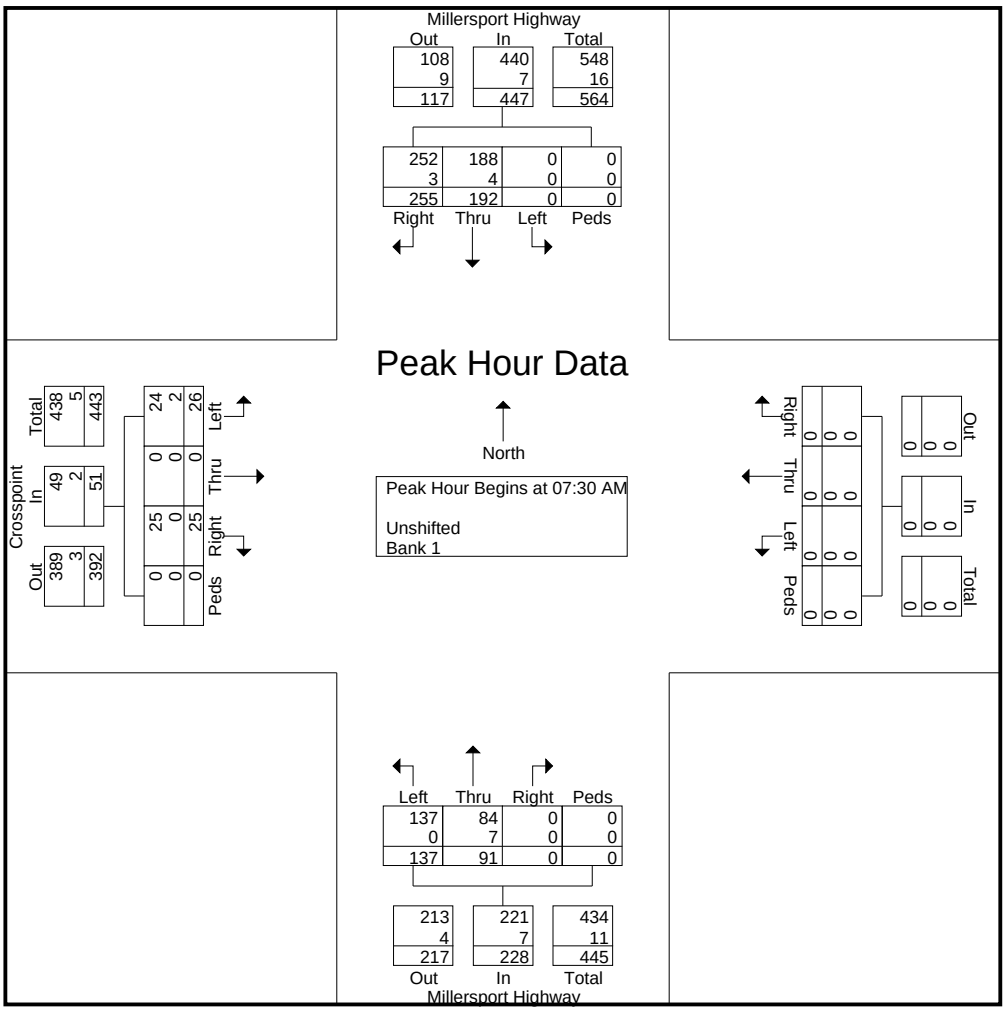
Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

PASSERO ASSOCIATES

242 W Main St, Suite 100
Rochester, NY 14614

File Name : Millersport at Crosspoint AM
Site Code : 11111111
Start Date : 8/29/2024
Page No : 2

	Millersport Highway From North					From East					Millersport Highway From South					Crosspoint From West					
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Int. Total
Peak Hour Analysis From 07:30 AM to 08:15 AM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 07:30 AM																					
07:30 AM	36	45	0	0	81	0	0	0	0	0	0	20	23	0	43	**8**	0	4	0	12	136
07:45 AM	**84**	52	0	0	**136**	0	0	0	0	0	0	21	36	0	57	7	0	8	0	**15**	**208**
08:00 AM	68	42	0	0	110	0	0	0	0	0	0	**34**	38	0	**72**	3	0	**11**	0	14	196
08:15 AM	67	**53**	0	0	120	0	0	0	0	0	0	16	**40**	0	56	7	0	3	0	10	186
Total Volume	255	192	0	0	447	0	0	0	0	0	0	91	137	0	228	25	0	26	0	51	726
% App. Total	57	43	0	0		0	0	0	0		0	39.9	60.1	0		49	0	51	0		
PHF	.759	.906	.000	.000	.822	.000	.000	.000	.000	.000	.000	.669	.856	.000	.792	.781	.000	.591	.000	.850	.873
Unshifted	252	188	0	0	440	0	0	0	0	0	0	84	137	0	221	25	0	24	0	49	710
% Unshifted	98.8	97.9	0	0	98.4	0	0	0	0	0	0	92.3	100	0	96.9	100	0	92.3	0	96.1	97.8
Bank 1	3	4	0	0	7	0	0	0	0	0	0	7	0	0	7	0	0	2	0	2	16
% Bank 1	1.2	2.1	0	0	1.6	0	0	0	0	0	0	7.7	0	0	3.1	0	0	7.7	0	3.9	2.2



Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

PASSERO ASSOCIATES

242 W Main St, Suite 100
Rochester, NY 14614

File Name : Millersport at Crosspoint PM
Site Code : 22222222
Start Date : 8/29/2024
Page No : 1

Groups Printed- Unshifted - Bank 1 - Bank 2

	Millersport Highway From North					From East					Millersport Highway From South					Crosspoint From West					
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Int. Total
04:00 PM	10	24	0	0	34	0	0	0	0	0	0	75	6	0	81	20	0	35	0	55	170
04:15 PM	6	42	0	0	48	0	0	0	0	0	0	76	5	0	81	13	0	30	0	43	172
04:30 PM	11	42	0	0	53	0	0	0	0	0	0	83	8	0	91	36	0	59	0	95	239
04:45 PM	13	28	0	0	41	0	0	0	0	0	0	56	8	0	64	12	0	46	0	58	163
Total	40	136	0	0	176	0	0	0	0	0	0	290	27	0	317	81	0	170	0	251	744
05:00 PM	14	30	0	0	44	0	0	0	0	0	0	83	6	0	89	31	0	67	0	98	231
05:15 PM	6	42	0	0	48	0	0	0	0	0	0	64	11	0	75	20	0	28	0	48	171
05:30 PM	10	34	0	0	44	0	0	0	0	0	0	57	7	0	64	18	0	36	0	54	162
05:45 PM	2	30	0	0	32	0	0	0	0	0	0	49	2	0	51	15	0	18	0	33	116
Total	32	136	0	0	168	0	0	0	0	0	0	253	26	0	279	84	0	149	0	233	680
Grand Total	72	272	0	0	344	0	0	0	0	0	0	543	53	0	596	165	0	319	0	484	1424
Apprch %	20.9	79.1	0	0		0	0	0	0		0	91.1	8.9	0		34.1	0	65.9	0		
Total %	5.1	19.1	0	0	24.2	0	0	0	0	0	0	38.1	3.7	0	41.9	11.6	0	22.4	0	34	
Unshifted	69	271	0	0	340	0	0	0	0	0	0	542	51	0	593	164	0	315	0	479	1412
% Unshifted	95.8	99.6	0	0	98.8	0	0	0	0	0	0	99.8	96.2	0	99.5	99.4	0	98.7	0	99	99.2
Bank 1	3	1	0	0	4	0	0	0	0	0	0	1	2	0	3	1	0	4	0	5	12
% Bank 1	4.2	0.4	0	0	1.2	0	0	0	0	0	0	0.2	3.8	0	0.5	0.6	0	1.3	0	1	0.8
Bank 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
% Bank 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

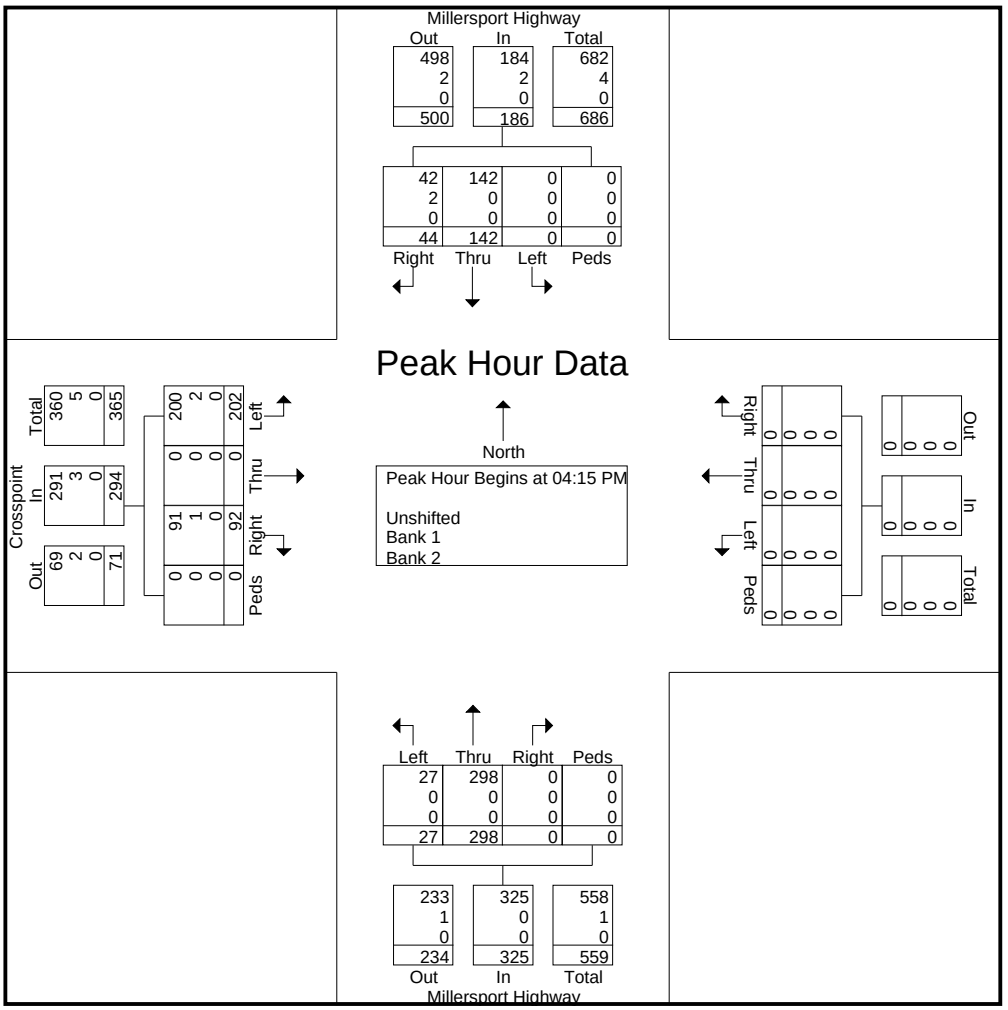
Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

PASSERO ASSOCIATES

242 W Main St, Suite 100
Rochester, NY 14614

File Name : Millersport at Crosspoint PM
Site Code : 22222222
Start Date : 8/29/2024
Page No : 2

	Millersport Highway From North					From East					Millersport Highway From South					Crosspoint From West					
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Int. Total
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 04:15 PM																					
04:15 PM	6	**42**	0	0	48	0	0	0	0	0	0	76	5	0	81	13	0	30	0	43	172
04:30 PM	11	42	0	0	**53**	0	0	0	0	0	0	**83**	**8**	0	**91**	**36**	0	59	0	95	**239**
04:45 PM	13	28	0	0	41	0	0	0	0	0	0	56	8	0	64	12	0	46	0	58	163
05:00 PM	**14**	30	0	0	44	0	0	0	0	0	0	83	6	0	89	31	0	**67**	0	**98**	231
Total Volume	44	142	0	0	186	0	0	0	0	0	0	298	27	0	325	92	0	202	0	294	805
% App. Total	23.7	76.3	0	0		0	0	0	0		0	91.7	8.3	0		31.3	0	68.7	0		
PHF	.786	.845	.000	.000	.877	.000	.000	.000	.000	.000	.000	.898	.844	.000	.893	.639	.000	.754	.000	.750	.842
Unshifted	42	142	0	0	184	0	0	0	0	0	0	298	27	0	325	91	0	200	0	291	800
% Unshifted	95.5	100	0	0	98.9	0	0	0	0	0	0	100	100	0	100	98.9	0	99.0	0	99.0	99.4
Bank 1	2	0	0	0	2	0	0	0	0	0	0	0	0	0	0	1	0	2	0	3	5
% Bank 1	4.5	0	0	0	1.1	0	0	0	0	0	0	0	0	0	0	1.1	0	1.0	0	1.0	0.6
Bank 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
% Bank 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0



Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

PASSERO ASSOCIATES

242 W Main St, Suite 100
Rochester, NY 14614

File Name : Millersport & Hopkins AM
Site Code : 00200867
Start Date : 8/29/2024
Page No : 1

Groups Printed- All Vehicles - Heavy Trucks

	Millersport Hwy From West					Millersport Hwy From East					Hopkins Rd From South					Hopkins Rd From North					
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Int. Total
07:00 AM	0	21	4	0	25	1	45	22	0	68	20	1	4	0	25	4	4	0	1	9	127
07:15 AM	1	26	0	0	27	0	56	24	0	80	14	2	7	0	23	3	6	2	0	11	141
07:30 AM	0	24	0	0	24	2	76	31	0	109	17	3	4	0	24	4	4	1	0	9	166
07:45 AM	3	24	1	0	28	0	120	36	0	156	10	1	6	0	17	9	7	0	1	17	218
Total	4	95	5	0	104	3	297	113	0	413	61	7	21	0	89	20	21	3	2	46	652
08:00 AM	4	39	2	0	45	0	94	25	0	119	22	2	8	1	33	8	2	0	0	10	207
08:15 AM	1	13	2	0	16	0	95	29	0	124	14	1	18	0	33	7	2	0	0	9	182
08:30 AM	4	40	0	0	44	1	73	25	0	99	17	1	14	0	32	4	3	0	0	7	182
08:45 AM	1	35	0	0	36	1	86	16	0	103	13	4	4	0	21	1	1	3	0	5	165
Total	10	127	4	0	141	2	348	95	0	445	66	8	44	1	119	20	8	3	0	31	736
Grand Total	14	222	9	0	245	5	645	208	0	858	127	15	65	1	208	40	29	6	2	77	1388
Apprch %	5.7	90.6	3.7	0		0.6	75.2	24.2	0		61.1	7.2	31.2	0.5		51.9	37.7	7.8	2.6		
Total %	1	16	0.6	0	17.7	0.4	46.5	15	0	61.8	9.1	1.1	4.7	0.1	15	2.9	2.1	0.4	0.1	5.5	
All Vehicles	14	200	6	0	220	3	627	201	0	831	127	15	65	1	208	38	27	3	2	70	1329
% All Vehicles	100	90.1	66.7	0	89.8	60	97.2	96.6	0	96.9	100	100	100	100	100	95	93.1	50	100	90.9	95.7
Heavy Trucks	0	22	3	0	25	2	18	7	0	27	0	0	0	0	0	2	2	3	0	7	59
% Heavy Trucks	0	9.9	33.3	0	10.2	40	2.8	3.4	0	3.1	0	0	0	0	0	5	6.9	50	0	9.1	4.3

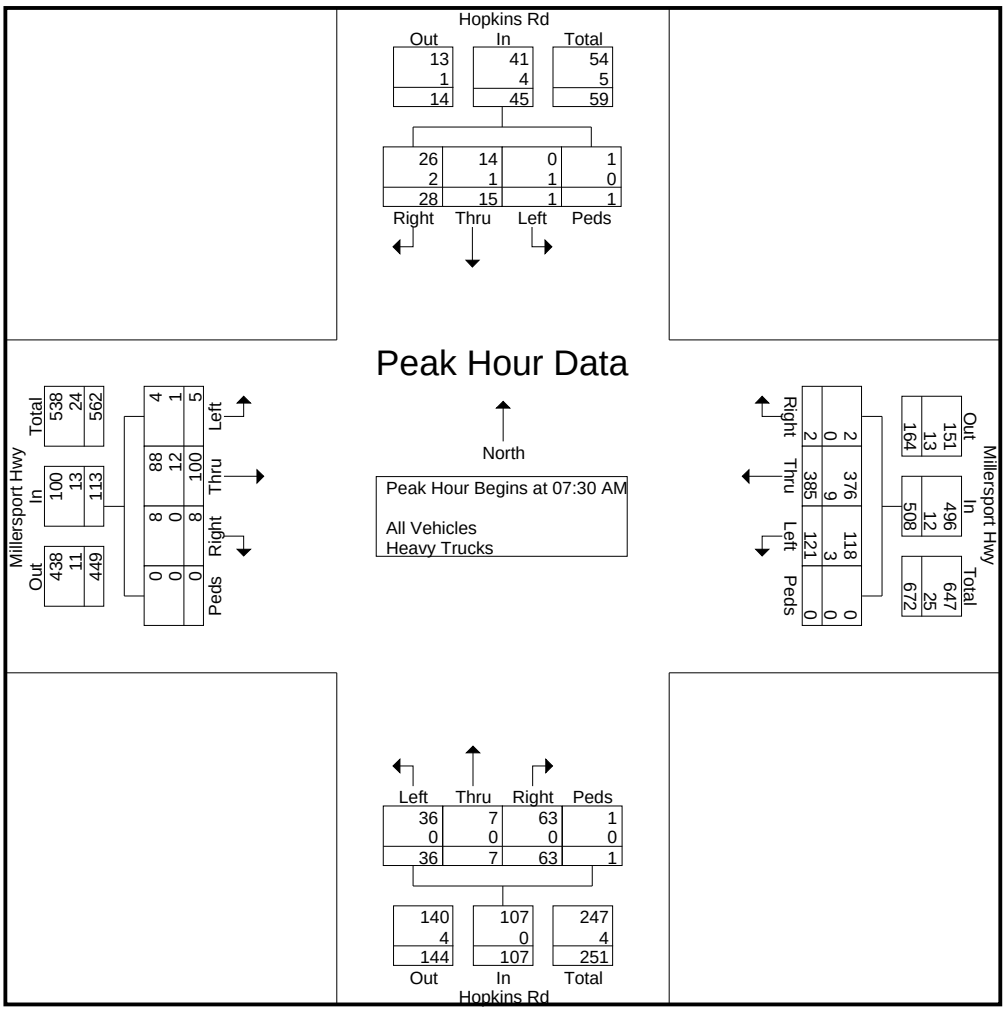
Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

PASSERO ASSOCIATES

242 W Main St, Suite 100
Rochester, NY 14614

File Name : Millersport & Hopkins AM
Site Code : 00200867
Start Date : 8/29/2024
Page No : 2

	Millersport Hwy From West					Millersport Hwy From East					Hopkins Rd From South					Hopkins Rd From North					
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Int. Total
Peak Hour Analysis From 07:30 AM to 08:15 AM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 07:30 AM																					
07:30 AM	0	24	0	0	24	**2**	76	31	0	109	17	**3**	4	0	24	4	4	**1**	0	9	166
07:45 AM	3	24	1	0	28	0	**120**	**36**	0	**156**	10	1	6	0	17	**9**	**7**	0	**1**	**17**	**218**
08:00 AM	**4**	**39**	**2**	0	**45**	0	94	25	0	119	**22**	2	8	**1**	**33**	8	2	0	0	10	207
08:15 AM	1	13	2	0	16	0	95	29	0	124	14	1	**18**	0	33	7	2	0	0	9	182
Total Volume	8	100	5	0	113	2	385	121	0	508	63	7	36	1	107	28	15	1	1	45	773
% App. Total	7.1	88.5	4.4	0		0.4	75.8	23.8	0		58.9	6.5	33.6	0.9		62.2	33.3	2.2	2.2		
PHF	.500	.641	.625	.000	.628	.250	.802	.840	.000	.814	.716	.583	.500	.250	.811	.778	.536	.250	.250	.662	.886
All Vehicles	8	88	4	0	100	2	376	118	0	496	63	7	36	1	107	26	14	0	1	41	744
% All Vehicles	100	88.0	80.0	0	88.5	100	97.7	97.5	0	97.6	100	100	100	100	100	92.9	93.3	0	100	91.1	96.2
Heavy Trucks	0	12	1	0	13	0	9	3	0	12	0	0	0	0	0	2	1	1	0	4	29
% Heavy Trucks	0	12.0	20.0	0	11.5	0	2.3	2.5	0	2.4	0	0	0	0	0	7.1	6.7	100	0	8.9	3.8



Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

PASSERO ASSOCIATES

242 W Main St, Suite 100
Rochester, NY 14614

File Name : Millersport & Hopkins PM
Site Code : 00200867
Start Date : 8/29/2024
Page No : 1

Groups Printed- All Vehicles - Heavy Trucks

	Millersport Hwy From West					Millersport Hwy From East					Hopkins Rd From South					Hopkins Rd From North					
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Int. Total
04:00 PM	9	99	2	0	110	0	32	25	0	57	39	12	3	0	54	1	1	1	0	3	224
04:15 PM	11	87	4	0	102	3	42	22	0	67	43	4	4	0	51	1	4	1	0	6	226
04:30 PM	22	115	5	0	142	1	50	23	0	74	47	3	1	1	52	4	4	0	0	8	276
04:45 PM	17	77	8	0	102	1	32	24	0	57	31	11	7	1	50	4	6	0	0	10	219
Total	59	378	19	0	456	5	156	94	0	255	160	30	15	2	207	10	15	2	0	27	945
05:00 PM	30	113	5	0	148	2	36	25	0	63	24	5	2	0	31	5	9	0	0	14	256
05:15 PM	13	75	7	0	95	1	38	32	0	71	25	5	8	0	38	2	6	0	1	9	213
05:30 PM	13	75	5	0	93	0	36	24	0	60	33	12	8	0	53	1	4	0	0	5	211
05:45 PM	8	54	2	0	64	0	26	17	0	43	18	5	3	0	26	4	3	0	0	7	140
Total	64	317	19	0	400	3	136	98	0	237	100	27	21	0	148	12	22	0	1	35	820
Grand Total	123	695	38	0	856	8	292	192	0	492	260	57	36	2	355	22	37	2	1	62	1765
Apprch %	14.4	81.2	4.4	0		1.6	59.3	39	0		73.2	16.1	10.1	0.6		35.5	59.7	3.2	1.6		
Total %	7	39.4	2.2	0	48.5	0.5	16.5	10.9	0	27.9	14.7	3.2	2	0.1	20.1	1.2	2.1	0.1	0.1	3.5	
All Vehicles	123	685	38	0	846	7	286	190	0	483	254	52	36	2	344	21	37	2	1	61	1734
% All Vehicles	100	98.6	100	0	98.8	87.5	97.9	99	0	98.2	97.7	91.2	100	100	96.9	95.5	100	100	100	98.4	98.2
Heavy Trucks	0	10	0	0	10	1	6	2	0	9	6	5	0	0	11	1	0	0	0	1	31
% Heavy Trucks	0	1.4	0	0	1.2	12.5	2.1	1	0	1.8	2.3	8.8	0	0	3.1	4.5	0	0	0	1.6	1.8

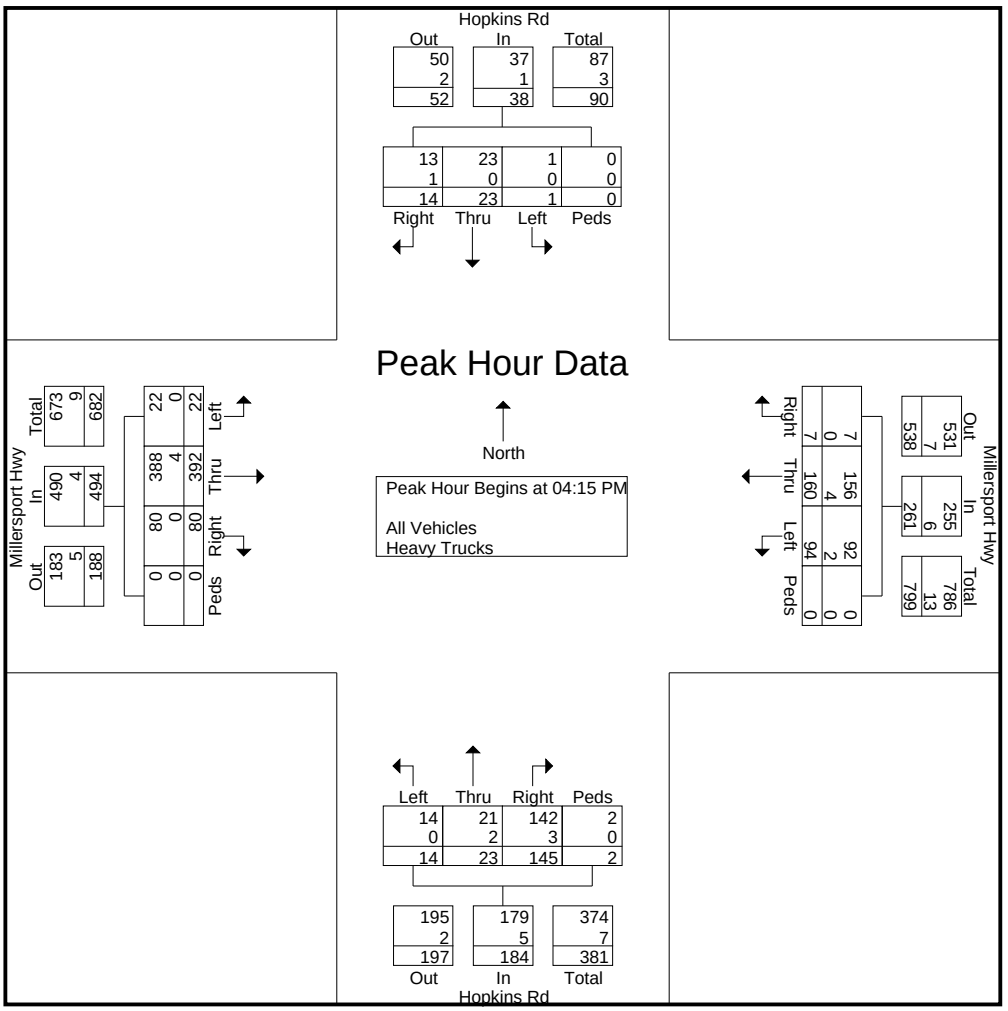
Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

PASSERO ASSOCIATES

242 W Main St, Suite 100
Rochester, NY 14614

File Name : Millersport & Hopkins PM
Site Code : 00200867
Start Date : 8/29/2024
Page No : 2

	Millersport Hwy From West					Millersport Hwy From East					Hopkins Rd From South					Hopkins Rd From North					
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Int. Total
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 04:15 PM																					
04:15 PM	11	87	4	0	102	**3**	42	22	0	67	43	4	4	0	51	1	4	**1**	0	6	226
04:30 PM	22	**115**	5	0	142	1	**50**	23	0	**74**	**47**	3	1	**1**	**52**	4	4	0	0	8	**276**
04:45 PM	17	77	**8**	0	102	1	32	24	0	57	31	**11**	**7**	1	50	4	6	0	0	10	219
05:00 PM	**30**	113	5	0	**148**	2	36	**25**	0	63	24	5	2	0	31	**5**	**9**	0	0	**14**	256
Total Volume	80	392	22	0	494	7	160	94	0	261	145	23	14	2	184	14	23	1	0	38	977
% App. Total	16.2	79.4	4.5	0		2.7	61.3	36	0		78.8	12.5	7.6	1.1		36.8	60.5	2.6	0		
PHF	.667	.852	.688	.000	.834	.583	.800	.940	.000	.882	.771	.523	.500	.500	.885	.700	.639	.250	.000	.679	.885
All Vehicles	80	388	22	0	490	7	156	92	0	255	142	21	14	2	179	13	23	1	0	37	961
% All Vehicles	100	99.0	100	0	99.2	100	97.5	97.9	0	97.7	97.9	91.3	100	100	97.3	92.9	100	100	0	97.4	98.4
Heavy Trucks	0	4	0	0	4	0	4	2	0	6	3	2	0	0	5	1	0	0	0	1	16
% Heavy Trucks	0	1.0	0	0	0.8	0	2.5	2.1	0	2.3	2.1	8.7	0	0	2.7	7.1	0	0	0	2.6	1.6



Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

PASSERO ASSOCIATES

242 W Main St, Suite 100
Rochester, NY 14614

File Name : Millersport & 990 Off Ramp AM
Site Code : 00200870
Start Date : 8/29/2024
Page No : 1

Groups Printed- All Vehicles - Heavy Trucks

	I-990 Exit Ramp From West					From East					Millersport Hwy From South					Millersport Hwy From North					
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Int. Total
07:00 AM	8	0	90	0	98	0	0	0	0	0	0	40	0	0	40	0	60	0	0	60	198
07:15 AM	9	0	181	0	190	0	0	0	0	0	0	37	0	0	37	0	78	0	0	78	305
07:30 AM	9	0	136	0	145	0	0	0	0	0	0	47	0	1	48	0	103	0	0	103	296
07:45 AM	31	0	144	0	175	0	0	0	0	0	0	31	0	0	31	0	123	0	0	123	329
Total	57	0	551	0	608	0	0	0	0	0	0	155	0	1	156	0	364	0	0	364	1128
08:00 AM	26	0	114	0	140	0	0	0	0	0	0	57	0	0	57	0	93	0	0	93	290
08:15 AM	23	0	131	0	154	0	0	0	0	0	0	31	0	0	31	0	101	0	0	101	286
08:30 AM	18	0	145	0	163	0	0	0	0	0	0	53	0	0	53	0	82	0	0	82	298
08:45 AM	19	0	124	0	143	0	0	0	0	0	0	50	0	0	50	0	82	0	0	82	275
Total	86	0	514	0	600	0	0	0	0	0	0	191	0	0	191	0	358	0	0	358	1149
Grand Total	143	0	1065	0	1208	0	0	0	0	0	0	346	0	1	347	0	722	0	0	722	2277
Apprch %	11.8	0	88.2	0		0	0	0	0		0	99.7	0	0.3		0	100	0	0		
Total %	6.3	0	46.8	0	53.1	0	0	0	0	0	0	15.2	0	0	15.2	0	31.7	0	0	31.7	
All Vehicles	142	0	972	0	1114	0	0	0	0	0	0	321	0	1	322	0	699	0	0	699	2135
% All Vehicles	99.3	0	91.3	0	92.2	0	0	0	0	0	0	92.8	0	100	92.8	0	96.8	0	0	96.8	93.8
Heavy Trucks	1	0	93	0	94	0	0	0	0	0	0	25	0	0	25	0	23	0	0	23	142
% Heavy Trucks	0.7	0	8.7	0	7.8	0	0	0	0	0	0	7.2	0	0	7.2	0	3.2	0	0	3.2	6.2

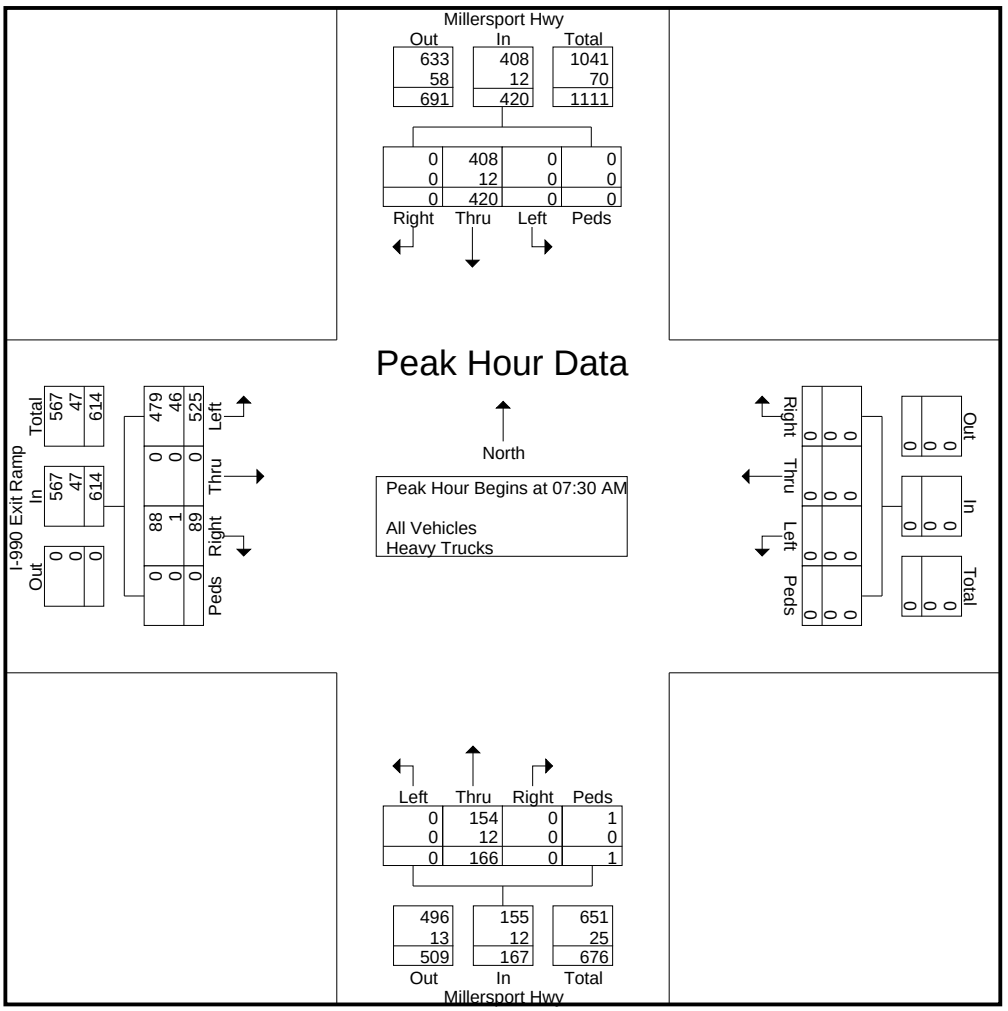
Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

PASSERO ASSOCIATES

242 W Main St, Suite 100
Rochester, NY 14614

File Name : Millersport & 990 Off Ramp AM
Site Code : 00200870
Start Date : 8/29/2024
Page No : 2

	I-990 Exit Ramp From West					From East					Millersport Hwy From South					Millersport Hwy From North					
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Int. Total
Peak Hour Analysis From 07:30 AM to 08:15 AM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 07:30 AM																					
07:30 AM	9	0	136	0	145	0	0	0	0	0	0	47	0	**1**	48	0	103	0	0	103	296
07:45 AM	**31**	0	**144**	0	**175**	0	0	0	0	0	0	31	0	0	31	0	**123**	0	0	**123**	**329**
08:00 AM	26	0	114	0	140	0	0	0	0	0	0	**57**	0	0	**57**	0	93	0	0	93	290
08:15 AM	23	0	131	0	154	0	0	0	0	0	0	31	0	0	31	0	101	0	0	101	286
Total Volume	89	0	525	0	614	0	0	0	0	0	0	166	0	1	167	0	420	0	0	420	1201
% App. Total	14.5	0	85.5	0		0	0	0	0		0	99.4	0	0.6		0	100	0	0		
PHF	.718	.000	.911	.000	.877	.000	.000	.000	.000	.000	.000	.728	.000	.250	.732	.000	.854	.000	.000	.854	.913
All Vehicles	88	0	479	0	567	0	0	0	0	0	0	154	0	1	155	0	408	0	0	408	1130
% All Vehicles	98.9	0	91.2	0	92.3	0	0	0	0	0	0	92.8	0	100	92.8	0	97.1	0	0	97.1	94.1
Heavy Trucks	1	0	46	0	47	0	0	0	0	0	0	12	0	0	12	0	12	0	0	12	71
% Heavy Trucks	1.1	0	8.8	0	7.7	0	0	0	0	0	0	7.2	0	0	7.2	0	2.9	0	0	2.9	5.9



Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

PASSERO ASSOCIATES

242 W Main St, Suite 100
Rochester, NY 14614

File Name : Millersport & 990 Off Ramp PM
Site Code : 00200870
Start Date : 8/29/2024
Page No : 1

Groups Printed- All Vehicles - Heavy Trucks

	I-990 Exit Ramp From West					From East					Millersport Hwy From South					Millersport Hwy From North					
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Int. Total
04:00 PM	6	0	270	0	276	0	0	0	0	0	0	144	0	0	144	0	55	0	0	55	475
04:15 PM	10	0	354	0	364	0	0	0	0	0	0	133	0	0	133	0	57	0	0	57	554
04:30 PM	15	0	345	0	360	0	0	0	0	0	0	160	0	0	160	0	61	0	0	61	581
04:45 PM	8	0	346	0	354	0	0	0	0	0	0	113	0	0	113	0	43	0	0	43	510
Total	39	0	1315	0	1354	0	0	0	0	0	0	550	0	0	550	0	216	0	0	216	2120
05:00 PM	15	0	315	0	330	0	0	0	0	0	0	138	0	0	138	0	51	0	0	51	519
05:15 PM	9	0	300	0	309	0	0	0	0	0	0	102	0	0	102	0	59	0	0	59	470
05:30 PM	8	0	281	0	289	0	0	0	0	0	0	108	0	0	108	0	50	0	0	50	447
05:45 PM	6	0	268	0	274	0	0	0	0	0	0	76	0	0	76	0	40	0	0	40	390
Total	38	0	1164	0	1202	0	0	0	0	0	0	424	0	0	424	0	200	0	0	200	1826
Grand Total	77	0	2479	0	2556	0	0	0	0	0	0	974	0	0	974	0	416	0	0	416	3946
Apprch %	3	0	97	0		0	0	0	0		0	100	0	0		0	100	0	0		
Total %	2	0	62.8	0	64.8	0	0	0	0	0	0	24.7	0	0	24.7	0	10.5	0	0	10.5	
All Vehicles	72	0	2419	0	2491	0	0	0	0	0	0	958	0	0	958	0	410	0	0	410	3859
% All Vehicles	93.5	0	97.6	0	97.5	0	0	0	0	0	0	98.4	0	0	98.4	0	98.6	0	0	98.6	97.8
Heavy Trucks	5	0	60	0	65	0	0	0	0	0	0	16	0	0	16	0	6	0	0	6	87
% Heavy Trucks	6.5	0	2.4	0	2.5	0	0	0	0	0	0	1.6	0	0	1.6	0	1.4	0	0	1.4	2.2

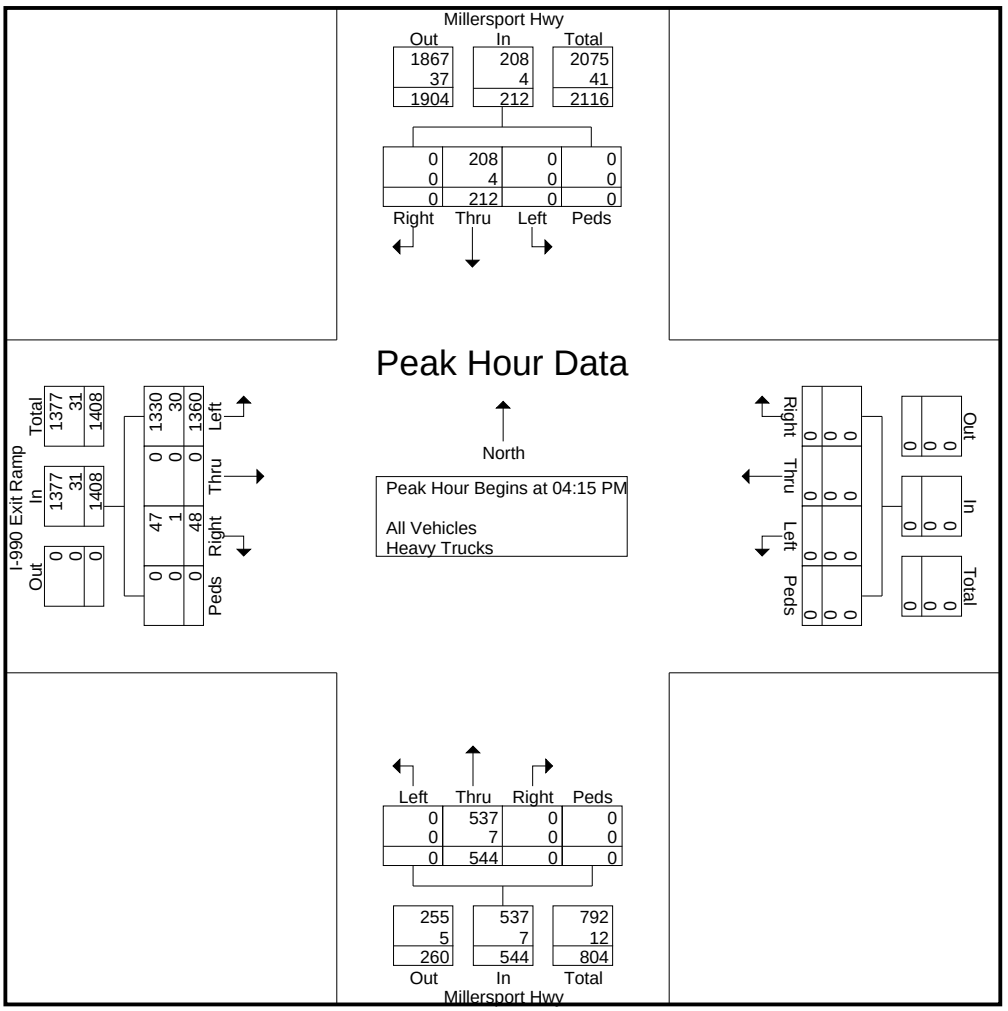
Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

PASSERO ASSOCIATES

242 W Main St, Suite 100
Rochester, NY 14614

File Name : Millersport & 990 Off Ramp PM
Site Code : 00200870
Start Date : 8/29/2024
Page No : 2

	I-990 Exit Ramp From West					From East					Millersport Hwy From South					Millersport Hwy From North					
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Int. Total
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 04:15 PM																					
04:15 PM	10	0	**354**	0	**364**	0	0	0	0	0	0	133	0	0	133	0	57	0	0	57	554
04:30 PM	**15**	0	345	0	360	0	0	0	0	0	0	**160**	0	0	**160**	0	**61**	0	0	**61**	**581**
04:45 PM	8	0	346	0	354	0	0	0	0	0	0	113	0	0	113	0	43	0	0	43	510
05:00 PM	15	0	315	0	330	0	0	0	0	0	0	138	0	0	138	0	51	0	0	51	519
Total Volume	48	0	1360	0	1408	0	0	0	0	0	0	544	0	0	544	0	212	0	0	212	2164
% App. Total	3.4	0	96.6	0		0	0	0	0		0	100	0	0		0	100	0	0		
PHF	.800	.000	.960	.000	.967	.000	.000	.000	.000	.000	.000	.850	.000	.000	.850	.000	.869	.000	.000	.869	.931
All Vehicles	47	0	1330	0	1377	0	0	0	0	0	0	537	0	0	537	0	208	0	0	208	2122
% All Vehicles	97.9	0	97.8	0	97.8	0	0	0	0	0	0	98.7	0	0	98.7	0	98.1	0	0	98.1	98.1
Heavy Trucks	1	0	30	0	31	0	0	0	0	0	0	7	0	0	7	0	4	0	0	4	42
% Heavy Trucks	2.1	0	2.2	0	2.2	0	0	0	0	0	0	1.3	0	0	1.3	0	1.9	0	0	1.9	1.9



Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

PASSERO ASSOCIATES

242 W Main St, Suite 100
Rochester, NY 14614

File Name : Millersport & 990 On Ramp AM
Site Code : 11111111
Start Date : 8/29/2024
Page No : 1

Groups Printed- Unshifted - Bank 1

	Millersport Hwy From North					From East					Millersport Hwy From South					I-990 Entrance Ramp From West					
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Int. Total
07:00 AM	271	60	0	0	331	0	0	0	0	0	0	128	6	0	134	0	0	0	0	0	465
07:15 AM	335	77	0	0	412	0	0	0	0	0	0	208	8	0	216	0	0	0	0	0	628
07:30 AM	358	104	0	0	462	0	0	0	0	0	0	173	12	0	185	0	0	0	0	0	647
07:45 AM	317	130	0	0	447	0	0	0	0	0	0	174	4	0	178	0	0	0	0	0	625
Total	1281	371	0	0	1652	0	0	0	0	0	0	683	30	0	713	0	0	0	0	0	2365
08:00 AM	305	89	0	0	394	0	0	0	0	0	0	167	8	0	175	0	0	0	0	0	569
08:15 AM	292	106	0	0	398	0	0	0	0	0	0	156	6	0	162	0	0	0	0	0	560
08:30 AM	276	85	0	0	361	0	0	0	0	0	0	181	16	0	197	0	0	0	0	0	558
08:45 AM	240	82	0	0	322	0	0	0	0	0	0	165	9	0	174	0	0	0	0	0	496
Total	1113	362	0	0	1475	0	0	0	0	0	0	669	39	0	708	0	0	0	0	0	2183
Grand Total	2394	733	0	0	3127	0	0	0	0	0	0	1352	69	0	1421	0	0	0	0	0	4548
Apprch %	76.6	23.4	0	0		0	0	0	0		0	95.1	4.9	0		0	0	0	0		
Total %	52.6	16.1	0	0	68.8	0	0	0	0	0	0	29.7	1.5	0	31.2	0	0	0	0	0	
Unshifted	2310	716	0	0	3026	0	0	0	0	0	0	1249	66	0	1315	0	0	0	0	0	4341
% Unshifted	96.5	97.7	0	0	96.8	0	0	0	0	0	0	92.4	95.7	0	92.5	0	0	0	0	0	95.4
Bank 1	84	17	0	0	101	0	0	0	0	0	0	103	3	0	106	0	0	0	0	0	207
% Bank 1	3.5	2.3	0	0	3.2	0	0	0	0	0	0	7.6	4.3	0	7.5	0	0	0	0	0	4.6

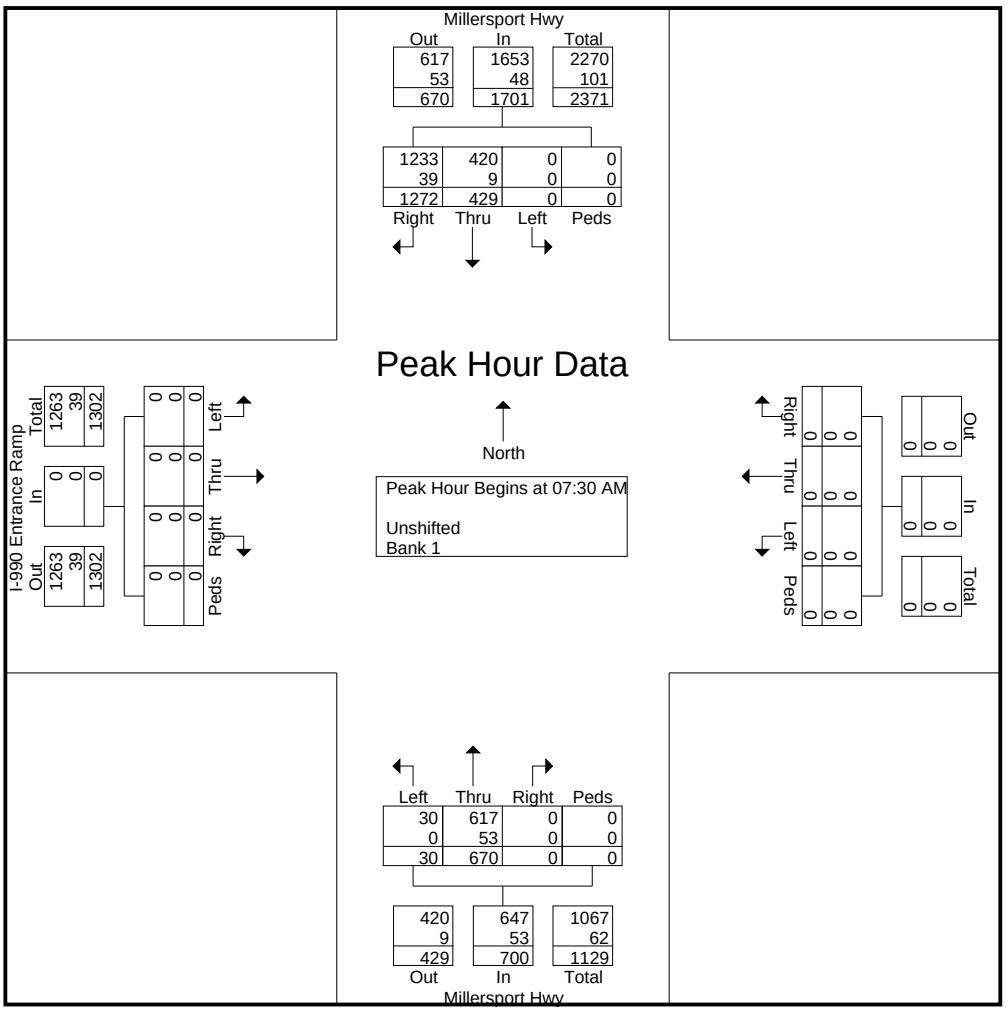
Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

PASSERO ASSOCIATES

242 W Main St, Suite 100
Rochester, NY 14614

File Name : Millersport & 990 On Ramp AM
Site Code : 11111111
Start Date : 8/29/2024
Page No : 2

	Millersport Hwy From North					From East					Millersport Hwy From South					I-990 Entrance Ramp From West					
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Int. Total
Peak Hour Analysis From 07:30 AM to 08:15 AM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 07:30 AM																					
07:30 AM	**358**	104	0	0	**462**	0	0	0	0	0	0	173	**12**	0	**185**	0	0	0	0	0	**647**
07:45 AM	317	**130**	0	0	447	0	0	0	0	0	0	**174**	4	0	178	0	0	0	0	0	625
08:00 AM	305	89	0	0	394	0	0	0	0	0	0	167	8	0	175	0	0	0	0	0	569
08:15 AM	292	106	0	0	398	0	0	0	0	0	0	156	6	0	162	0	0	0	0	0	560
Total Volume	1272	429	0	0	1701	0	0	0	0	0	0	670	30	0	700	0	0	0	0	0	2401
% App. Total	74.8	25.2	0	0		0	0	0	0		0	95.7	4.3	0		0	0	0	0		
PHF	.888	.825	.000	.000	.920	.000	.000	.000	.000	.000	.000	.963	.625	.000	.946	.000	.000	.000	.000	.000	.928
Unshifted	1233	420	0	0	1653	0	0	0	0	0	0	617	30	0	647	0	0	0	0	0	2300
% Unshifted	96.9	97.9	0	0	97.2	0	0	0	0	0	0	92.1	100	0	92.4	0	0	0	0	0	95.8
Bank 1	39	9	0	0	48	0	0	0	0	0	0	53	0	0	53	0	0	0	0	0	101
% Bank 1	3.1	2.1	0	0	2.8	0	0	0	0	0	0	7.9	0	0	7.6	0	0	0	0	0	4.2



Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

PASSERO ASSOCIATES

242 W Main St, Suite 100
Rochester, NY 14614

File Name : Millersport & 990 On Ramp PM
Site Code : 22222222
Start Date : 8/29/2024
Page No : 1

Groups Printed- Unshifted - Bank 1

	Millersport Hwy From North					From East					Millersport Hwy From South					I-990 Entrance Ramp From West					
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Int. Total
04:00 PM	169	48	0	0	217	0	0	0	0	0	0	409	10	0	419	0	0	0	0	0	636
04:15 PM	208	49	0	0	257	0	0	0	0	0	0	472	16	0	488	0	0	0	0	0	745
04:30 PM	204	56	0	0	260	0	0	0	0	0	0	490	17	0	507	0	0	0	0	0	767
04:45 PM	191	42	0	0	233	0	0	0	0	0	0	448	12	0	460	0	0	0	0	0	693
Total	772	195	0	0	967	0	0	0	0	0	0	1819	55	0	1874	0	0	0	0	0	2841
05:00 PM	199	45	0	0	244	0	0	0	0	0	0	435	18	0	453	0	0	0	0	0	697
05:15 PM	200	55	0	0	255	0	0	0	0	0	0	392	4	0	396	0	0	0	0	0	651
05:30 PM	195	41	0	0	236	0	0	0	0	0	0	373	15	0	388	0	0	0	0	0	624
05:45 PM	195	41	0	0	236	0	0	0	0	0	0	341	10	0	351	0	0	0	0	0	587
Total	789	182	0	0	971	0	0	0	0	0	0	1541	47	0	1588	0	0	0	0	0	2559
Grand Total	1561	377	0	0	1938	0	0	0	0	0	0	3360	102	0	3462	0	0	0	0	0	5400
Apprch %	80.5	19.5	0	0		0	0	0	0		0	97.1	2.9	0		0	0	0	0		
Total %	28.9	7	0	0	35.9	0	0	0	0	0	0	62.2	1.9	0	64.1	0	0	0	0	0	
Unshifted	1514	372	0	0	1886	0	0	0	0	0	0	3310	100	0	3410	0	0	0	0	0	5296
% Unshifted	97	98.7	0	0	97.3	0	0	0	0	0	0	98.5	98	0	98.5	0	0	0	0	0	98.1
Bank 1	47	5	0	0	52	0	0	0	0	0	0	50	2	0	52	0	0	0	0	0	104
% Bank 1	3	1.3	0	0	2.7	0	0	0	0	0	0	1.5	2	0	1.5	0	0	0	0	0	1.9

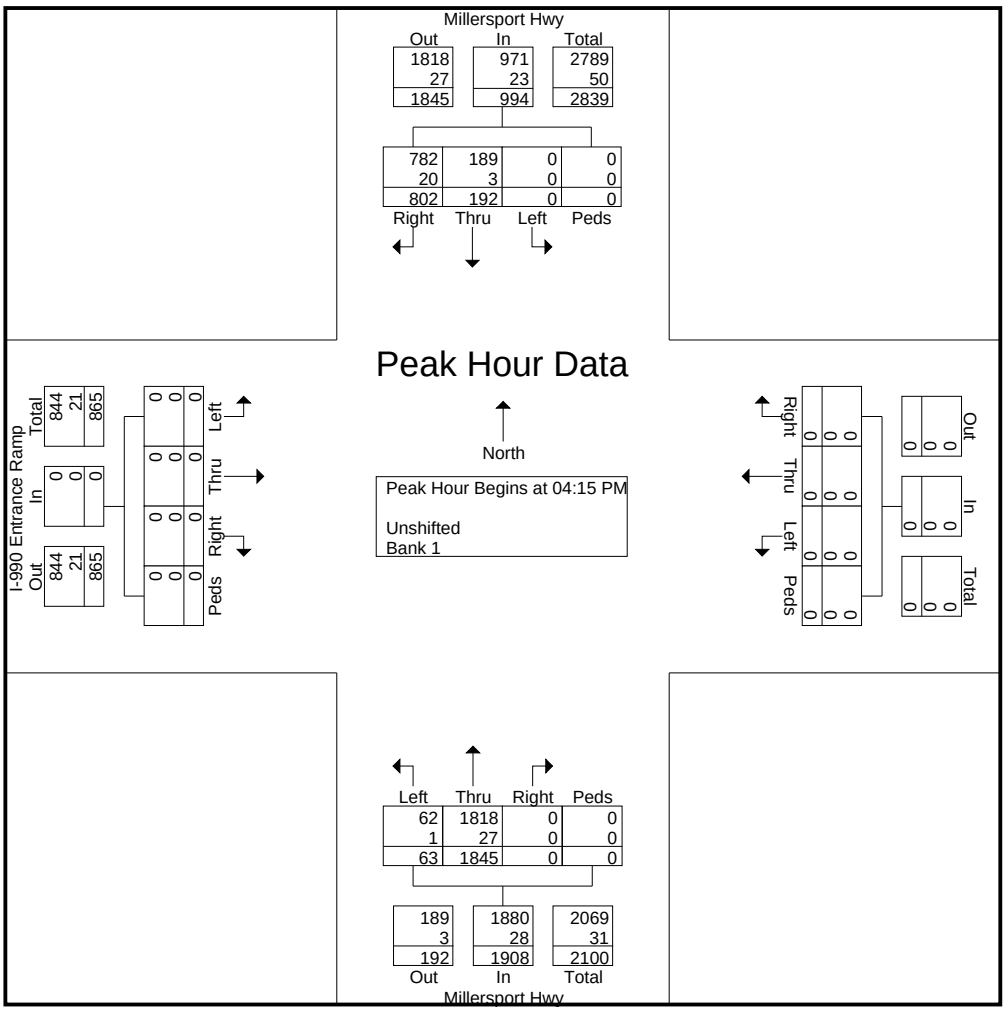
Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

PASSERO ASSOCIATES

242 W Main St, Suite 100
Rochester, NY 14614

File Name : Millersport & 990 On Ramp PM
Site Code : 22222222
Start Date : 8/29/2024
Page No : 2

	Millersport Hwy From North					From East					Millersport Hwy From South					I-990 Entrance Ramp From West					
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Int. Total
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 04:15 PM																					
04:15 PM	**208**	49	0	0	257	0	0	0	0	0	0	472	16	0	488	0	0	0	0	0	745
04:30 PM	204	**56**	0	0	**260**	0	0	0	0	0	0	**490**	17	0	**507**	0	0	0	0	0	**767**
04:45 PM	191	42	0	0	233	0	0	0	0	0	0	448	12	0	460	0	0	0	0	0	693
05:00 PM	199	45	0	0	244	0	0	0	0	0	0	435	**18**	0	453	0	0	0	0	0	697
Total Volume	802	192	0	0	994	0	0	0	0	0	0	1845	63	0	1908	0	0	0	0	0	2902
% App. Total	80.7	19.3	0	0		0	0	0	0		0	96.7	3.3	0		0	0	0	0		
PHF	.964	.857	.000	.000	.956	.000	.000	.000	.000	.000	.000	.941	.875	.000	.941	.000	.000	.000	.000	.000	.946
Unshifted	782	189	0	0	971	0	0	0	0	0	0	1818	62	0	1880	0	0	0	0	0	2851
% Unshifted	97.5	98.4	0	0	97.7	0	0	0	0	0	0	98.5	98.4	0	98.5	0	0	0	0	0	98.2
Bank 1	20	3	0	0	23	0	0	0	0	0	0	27	1	0	28	0	0	0	0	0	51
% Bank 1	2.5	1.6	0	0	2.3	0	0	0	0	0	0	1.5	1.6	0	1.5	0	0	0	0	0	1.8



Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

PASSERO ASSOCIATES

242 W Main St, Suite 100
Rochester, NY 14614

File Name : Crosspoint at Parking Lot AM
Site Code : 00000000
Start Date : 8/29/2024
Page No : 1

Groups Printed- Class 1

	Crosspoint From North					Parking Lot From East					Crosspoint From South					From West					
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Int. Total
07:00 AM	0	0	2	0	2	1	0	1	0	2	20	0	0	0	20	0	0	0	0	0	24
07:15 AM	0	0	4	0	4	0	0	2	0	2	14	0	0	0	14	0	0	0	0	0	20
07:30 AM	0	0	6	0	6	0	0	1	0	1	23	0	0	0	23	0	0	0	0	0	30
07:45 AM	0	0	8	0	8	0	0	3	0	3	45	0	0	0	45	0	0	0	0	0	56
Total	0	0	20	0	20	1	0	7	0	8	102	0	0	0	102	0	0	0	0	0	130
08:00 AM	0	0	8	0	8	0	0	0	0	0	61	0	0	0	61	0	0	0	0	0	69
08:15 AM	0	0	12	0	12	0	0	1	0	1	65	0	0	0	65	0	0	0	0	0	78
08:30 AM	0	0	3	0	3	2	0	2	0	4	54	0	0	0	54	0	0	0	0	0	61
08:45 AM	0	0	3	0	3	0	0	2	0	2	36	0	0	0	36	0	0	0	0	0	41
Total	0	0	26	0	26	2	0	5	0	7	216	0	0	0	216	0	0	0	0	0	249
Grand Total	0	0	46	0	46	3	0	12	0	15	318	0	0	0	318	0	0	0	0	0	379
Apprch %	0	0	100	0		20	0	80	0		100	0	0	0		0	0	0	0		
Total %	0	0	12.1	0	12.1	0.8	0	3.2	0	4	83.9	0	0	0	83.9	0	0	0	0	0	

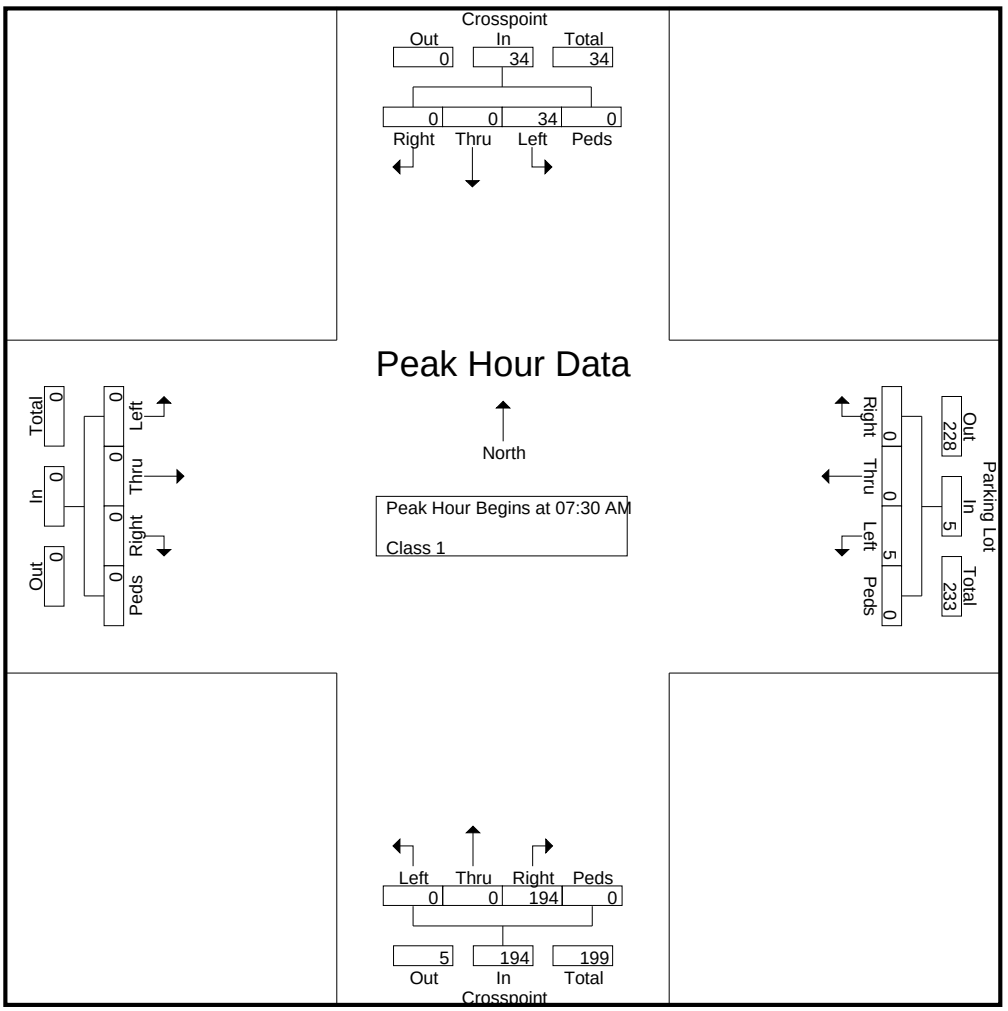
Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

PASSERO ASSOCIATES

242 W Main St, Suite 100
Rochester, NY 14614

File Name : Crosspoint at Parking Lot AM
Site Code : 00000000
Start Date : 8/29/2024
Page No : 2

	Crosspoint From North					Parking Lot From East					Crosspoint From South					From West					
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Int. Total
Peak Hour Analysis From 07:30 AM to 08:15 AM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 07:30 AM																					
07:30 AM	0	0	6	0	6	0	0	1	0	1	23	0	0	0	23	0	0	0	0	0	30
07:45 AM	0	0	8	0	8	0	0	**3**	0	**3**	45	0	0	0	45	0	0	0	0	0	56
08:00 AM	0	0	8	0	8	0	0	0	0	0	61	0	0	0	61	0	0	0	0	0	69
08:15 AM	0	0	**12**	0	**12**	0	0	1	0	1	**65**	0	0	0	**65**	0	0	0	0	0	**78**
Total Volume	0	0	34	0	34	0	0	5	0	5	194	0	0	0	194	0	0	0	0	0	233
% App. Total	0	0	100	0		0	0	100	0		100	0	0	0		0	0	0	0		
PHF	.000	.000	.708	.000	.708	.000	.000	.417	.000	.417	.746	.000	.000	.000	.746	.000	.000	.000	.000	.000	.747



Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

PASSERO ASSOCIATES

242 W Main St, Suite 100
Rochester, NY 14614

File Name : Crosspoint at Parking Lot PM
Site Code : 00000000
Start Date : 8/29/2024
Page No : 1

Groups Printed- Class 1

	Crosspoint From North					Parking Lot From East					Crosspoint From South					From West					
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Int. Total
04:00 PM	0	0	2	0	2	1	0	16	0	17	2	0	0	0	2	0	0	0	0	0	21
04:15 PM	0	0	1	0	1	1	0	10	0	11	4	0	0	0	4	0	0	0	0	0	16
04:30 PM	0	0	1	0	1	7	0	30	0	37	11	0	0	0	11	0	0	0	0	0	49
04:45 PM	0	0	2	0	2	4	0	20	0	24	11	0	0	0	11	0	0	0	0	0	37
Total	0	0	6	0	6	13	0	76	0	89	28	0	0	0	28	0	0	0	0	0	123
05:00 PM	0	0	0	0	0	9	0	40	0	49	4	0	0	0	4	0	0	0	0	0	53
05:15 PM	0	0	0	0	0	6	0	16	0	22	1	0	0	0	1	0	0	0	0	0	23
05:30 PM	0	0	0	0	0	3	0	20	0	23	6	0	0	0	6	0	0	0	0	0	29
05:45 PM	0	0	1	0	1	5	0	17	0	22	1	0	0	0	1	0	0	0	0	0	24
Total	0	0	1	0	1	23	0	93	0	116	12	0	0	0	12	0	0	0	0	0	129
Grand Total	0	0	7	0	7	36	0	169	0	205	40	0	0	0	40	0	0	0	0	0	252
Apprch %	0	0	100	0		17.6	0	82.4	0		100	0	0	0		0	0	0	0		
Total %	0	0	2.8	0	2.8	14.3	0	67.1	0	81.3	15.9	0	0	0	15.9	0	0	0	0	0	

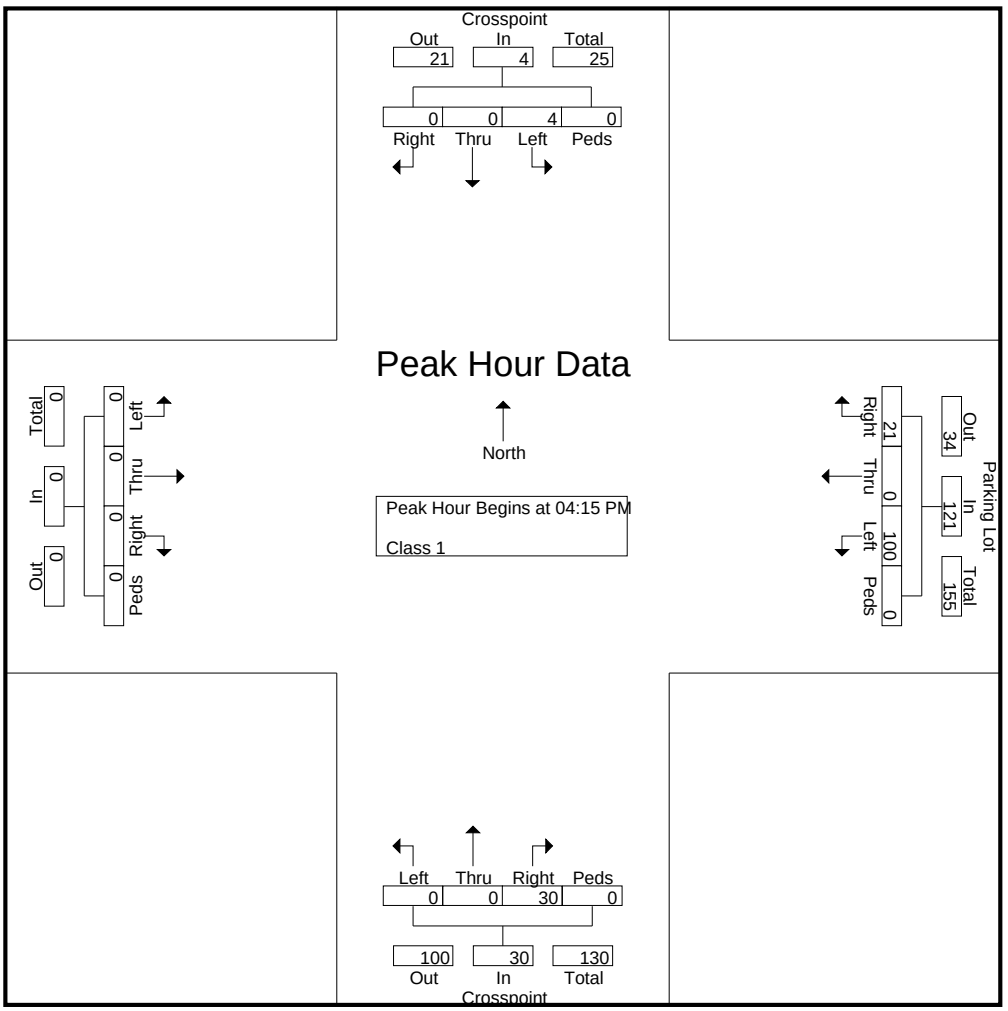
Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

PASSERO ASSOCIATES

242 W Main St, Suite 100
Rochester, NY 14614

File Name : Crosspoint at Parking Lot PM
Site Code : 00000000
Start Date : 8/29/2024
Page No : 2

	Crosspoint From North					Parking Lot From East					Crosspoint From South					From West					
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Int. Total
Peak Hour Analysis From 04:15 PM to 05:00 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 04:15 PM																					
04:15 PM	0	0	1	0	1	1	0	10	0	11	4	0	0	0	4	0	0	0	0	0	16
04:30 PM	0	0	1	0	1	7	0	30	0	37	**11**	0	0	0	**11**	0	0	0	0	0	49
04:45 PM	0	0	**2**	0	**2**	4	0	20	0	24	11	0	0	0	11	0	0	0	0	0	37
05:00 PM	0	0	0	0	0	**9**	0	**40**	0	**49**	4	0	0	0	4	0	0	0	0	0	**53**
Total Volume	0	0	4	0	4	21	0	100	0	121	30	0	0	0	30	0	0	0	0	0	155
% App. Total	0	0	100	0		17.4	0	82.6	0		100	0	0	0		0	0	0	0		
PHF	.000	.000	.500	.000	.500	.583	.000	.625	.000	.617	.682	.000	.000	.000	.682	.000	.000	.000	.000	.000	.731



Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

APPENDIX B: MISCELLANEOUS CALCULATIONS

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

1.a

NYSDOT - Region 5 | Timing Sheet | 7/19/2022 9:51:26 AM

Station : 53595 - 263 @ Crosspoint buisness complex (Standard File)

Phase [1.1.1]

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Walk	0	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ped Clearance	0	15	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Min Green	6	15	6	0	0	15	0	0	0	0	0	0	0	0	0	0
Gap Ext	3	3	3	0	0	3	0	0	0	0	0	0	0	0	0	0
Max1	20	45	40	0	0	45	0	0	0	0	0	0	0	0	0	0
Max2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Yellow Clr	3.2	5	3.2	3.5	3.5	5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
Red Clr	1.5	1.4	2.6	1.5	1.5	1.4	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
Red Revert	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Added Initial	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Max Initial	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Time Before Reduce	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cars Before Reduce	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Time To Reduce	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Reduce By	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Min Gap	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Dynamic Max Limit	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Dynamic Max Step	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Auto Flash Entry																
Auto Flash Exit																
Non-Actuated 1																
Non-Actuated 2																
Lock Calls																
Guarantd Passage																
Rest In Walk																
Added Init Calc																

Phase Option [1.1.2]

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Enable	ON	ON	ON			ON										
Min Recall		ON				ON										
Max Recall																
Ped Recall																
Soft Recall																
Dual Entry		ON		ON		ON		ON								
Sim Gap Enable	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON
Cond Service																

Alternate Phase Program 1, Calls and Redirection [1.1.6.3]

ENTRY	Call Phases				From	to	From	to	From	to	From	to	Assigned Ph
1	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0

Alternate Phase Program 2, Calls and Redirection [1.1.6.3]

ENTRY	Call Phases				From	to	From	to	From	to	From	to	Assigned Ph
1	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0

Alternate Phase Program 1, Interval Times [1.1.6.1]

Phase	Walk	Ped Clear	Min Green	Passage	Max1	Max2	Yellow	Red Clear	Assign Ph	Bike Clear
1	0	0	0	0	0	0	0	0	0	
2	0	0	0	0	0	0	0	0	0	
3	0	0	0	0	0	0	0	0	0	
4	0	0	0	0	0	0	0	0	0	
5	0	0	0	0	0	0	0	0	0	
6	0	0	0	0	0	0	0	0	0	
7	0	0	0	0	0	0	0	0	0	
8	0	0	0	0	0	0	0	0	0	

Alternate Phase Program 2, Interval Times [1.1.6.1]

Phase	Walk	Ped Clear	Min Green	Passage	Max1	Max2	Yellow	Red Clear	Assign Ph	Bike Clear
1	0	0	0	0	0	0	0	0	0	
2	0	0	0	0	0	0	0	0	0	
3	0	0	0	0	0	0	0	0	0	
4	0	0	0	0	0	0	0	0	0	
5	0	0	0	0	0	0	0	0	0	
6	0	0	0	0	0	0	0	0	0	
7	0	0	0	0	0	0	0	0	0	
8	0	0	0	0	0	0	0	0	0	

Prepared By	Date Implemented	Reviewed By	Traffic Engineer

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

1.a

NYSDOT - Region 5 Timing Sheet 7/19/2022 9:51:26 AM

Station : 53595 - 263 @ Crosspoint buisness complex (Standard File)

Unit Parameters [1.2.1]

StartUp Flash	Auto Ped Clear	Red Revert	Local Flash Start	Allow < 3 sec Yel	Allow Skip Yel	MCE Timeout	Enable Run	Start Red Time	Phase Mode	Startup Calls	Diamond Mode	Stop Time Over Preempt	Free Ring Sequence	Clearance Decide	Min Ped Clear Time	RingAlgo
	OFF	3	RED	OFF	OFF		ON	6	STD8	OFF	4PH	OFF	1	OFF	OFF	

COMM, General Comm Parameters [6.1]

Station ID	Master Station ID	Fallback time	Allow Pencil	PORT	System-Up	Sys-Down	PC/Print	Aux 232
3595								

Port Parameters [6.2]

COMM	Mode	Baud	MsgTime	Duplex	Enable	DialTime	Modem	ModemTime	Tel#1	Tel#2
System Up(P-A)										
System Down(P-B)										
PC/Print(P-2)										

Overlap General Parameters [1.5.1]

Conflict Lock	Lock Inhibit	Program Card	Use Parent	Canadian Fast Flash
OFF	OFF	ON	ALWAYS	

Overlap Program Parameters [1.5.2.1]

Overlap	Included Phases								Modifer Phases								Type	Green	Yellow	Red
Overlap 1																	NORMAL		3.5	1.5
Overlap 2																	NORMAL		3.5	1.5
Overlap 3																	NORMAL		3.5	1.5
Overlap 4																	NORMAL		3.5	1.5
Overlap 5																	NORMAL		3.5	1.5
Overlap 6																	NORMAL		3.5	1.5
Overlap 7																	NORMAL		3.5	1.5
Overlap 8																	NORMAL		3.5	1.5

Overlap Conflict Parameters+ [1.5.2.2]

Overlap	Conflicting Phases								Conflicting Overlaps								Conflicting Peds							
Overlap 1																								
Overlap 2																								
Overlap 3																								
Overlap 4																								
Overlap 5																								
Overlap 6																								
Overlap 7																								
Overlap 8																								

Detector, Vehicle Parameters 1-16 [5.1]

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Call Phase	1	6	2	2	3	3	6	6	2	2	0	0	0	0	0	0
Switch Phase	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Delay Time	5	0	0	0	3	10	0	0	0	0	0	0	0	0	0	0

Detector, Vehicle Parameters 17-32 [5.1]

	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
Call Phase	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Switch Phase	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Delay Time	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

1.a

NYSDOT - Region 5 Timing Sheet 7/19/2022 9:51:26 AM

Station : 53595 - 263 @ Crosspoint buisness complex (Standard File)

Detector Alternate Program 1, Vehicle Parameters [5.5.1]

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Call Phase	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Delay Time	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Channels/SDLC, Assign to Phases [1.3.1]

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
PH/OLP #	1	2	3			6					2													
Type	VEH	VEH	VEH	VEH	VEH	VEH	VEH	VEH	VEH	VEH	PED	VEH	VEH	VEH	VEH	VEH	VEH	VEH	VEH	VEH	VEH	VEH	VEH	VEH
Flash	RED	RED	RED	RED	RED	RED	RED	RED	RED	RED	DRK	RED	RED	RED	RED	RED	DRK	DRK	DRK	DRK	DRK	DRK	DRK	DRK
Alt Hz																								
Dimming Green																								
Dimming Yellow																								
Dimming Red																								
Dim Cyc	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

Channel/SDLC, Parameters [1.3.3]

TOD Dim Enable	Extra Maps Enable	D Connector Enable	Single BIU Map	IO Mode	Preempt or Ext Output
OFF	DEFAULT				

Channel/SDLC, MMU Map [1.3.5]

MMU-to-Controller Channel Map

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16

Channel/SDLC, Permissive [1.3.4]

Channel	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2
1															
2															
3															
4															
5															
6															
7															
8															
9															
10															
11															
12															
13															
14															
15															

Channel/SDLC, Permissive [1.3.7]

SDLC Device	Term/Fac								Detector								MMU	DIAG
BIU#	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8		
Dev Present																		
Peer to Peer																		

Ring Sequence [1.2.4]

Ring	P1	P2	P3	P4	P5	P6	P7	P8
Ring 1	1	2	3	4				
Ring 2	5	6	7	8				
Ring 3								
Ring 4								

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

1.a

NYSDOT - Region 5 Timing Sheet 7/19/2022 9:51:26 AM

Station : 53595 - 263 @ Crosspoint buisness complex (Standard File)

Alarms, Enable Events [1.6.1]

Event#	Event Enable
1	ON
2	ON
3	
4	ON
5	ON
6	ON
7	
8	
9	ON
10	
11	
12	ON
13	
14	ON
15	
16	
17	ON
18	ON
19	ON
20	ON
21	
22	
23	
24	
25	ON
26	
27	ON
28	ON
29	ON
30	
31	
32	
33	
34	
35	
36	
37	ON
38	
39	
40	
41	
42	
43	ON
44	ON
45	
46	
47	
48	ON
49	ON
50	ON
51	ON
52	ON
53	ON
54	ON
55	ON
56	ON
57	ON
58	ON
59	
60	
61	ON
62	
63	
64	

Alarms, Enable Alarms [1.6.4]

Alarm#	Alarm Enable
1	ON
2	ON
3	
4	ON
5	ON
6	ON
7	
8	
9	ON
10	
11	
12	ON
13	
14	ON
15	
16	
17	ON
18	ON
19	ON
20	ON
21	
22	
23	
24	
25	ON
26	
27	ON
28	ON
29	ON
30	
31	
32	
33	
34	
35	
36	
37	ON
38	
39	
40	
41	
42	
43	ON
44	ON
45	
46	
47	
48	ON
49	ON
50	ON
51	ON
52	ON
53	ON
54	ON
55	ON
56	ON
57	ON
58	ON
59	
60	
61	ON
62	
63	
64	

Preemption Times[3.1]/Phases[3.2]/Options[3.3]

Channel	1	2	3	4	5	6
Lock Input	ON	ON	ON	ON	ON	ON
Override Auto Flash	ON	ON	ON	ON	ON	ON
Override Higher Preempt	ON	ON	ON	ON	ON	ON
Flash in Dwell						
Link to Preempt						
Delay						
Min Duration						
Min Green						
Min Walk						
Ped Clear						
Track Green						
Min Dwell	2	2	2	2	2	2
Max Presence						
Track Veh1						
Track Veh2						
Track Veh3						
Track Veh4						
Dwell Cyc Veh1						
Dwell Cyc Veh2						
Dwell Cyc Veh3						
Dwell Cyc Veh4						
Dwell Cyc Veh5						
Dwell Cyc Veh6						
Dwell Cyc Veh7						
Dwell Cyc Veh8						
Dwell Cyc Veh9						
Dwell Cyc Veh10						
Dwell Cyc Veh11						
Dwell Cyc Veh12						
Dwell Cyc Ped1						
Dwell Cyc Ped2						
Dwell Cyc Ped3						
Dwell Cyc Ped4						
Dwell Cyc Ped5						
Dwell Cyc Ped6						
Dwell Cyc Ped7						
Dwell Cyc Ped8						
Exit 1						
Exit 2						
Exit 3						
Exit 4						

Alarms, Parameters [1.4.1]

Auto Flash Parameter

Yellow	Red	Mode	Source
45	20		

Alarms, Parameters [1.6.7]

Preempt Event Enabled	Pattern Event Enabled
OFF	OFF

Alarms, Phases/Overlaps [1.4.2]

Auto Flash	1	2	3	4	5	6	7	8	9	10	11	12
Phases												
Overlaps												

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

1.a

NYSDOT - Region 5 Timing Sheet 7/19/2022 9:51:26 AM

Station : 53595 - 263 @ Crosspoint buisness complex (Standard File)

Preemption Times+[3.4]/Overlaps+[3.5]/Options+[3.6]

Preempt	1	2	3	4	5	6
Enable	ON	ON	ON	ON	ON	ON
Type	RAIL	RAIL	EMERG	EMERG	EMERG	EMERG
Skip Track						
Volt Mon Flash						
Coord in Preempt	ON	ON	ON	ON	ON	ON
Return Max/Min	MAX	MAX	MAX	MAX	MAX	MAX
Extend Dwell						
Pattern						
Output Mode	DWELL	DWELL	DWELL	DWELL	DWELL	DWELL
Track Over 1						
Track Over 2						
Track Over 3						
Track Over 4						
Track Over 5						
Track Over 6						
Track Over 7						
Track Over 8						
Track Over 9						
Track Over 10						
Track Over 11						
Track Over 12						
DwellCyc Over 1						
DwellCyc Over 2						
DwellCyc Over 3						
DwellCyc Over 4						
DwellCyc Over 5						
DwellCyc Over 6						
DwellCyc Over 7						
DwellCyc Over 8						
DwellCyc Over 9						
DwellCyc Over 10						
DwellCyc Over 11						
DwellCyc Over 12						
Ped Clear						
Yellow						
Red						
Return Max						

Coordination, Modes,+ [2.1]

Modes

Operational	Correct	Maximum	Force-Off
	SHRT/LNG	MAX 1	FLOAT

Modes+

Mode	Leave Before	Leave After	Recycle	Stop In Walk	External	Auto Reset	Latch Sec Foff	Coord Easy Float	Yield Value	Coord NTCIP Yield Sign	Closed Loop Active					
TIMED	TIMED	NO_RECYCLE	OFF	OFF	ON	OFF	OFF	0	+	ON	OFF	OFF	OFF	OFF	OFF				

Coordination, Pattern 1-16 [2.1]

Pattern	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Cycle Time																
Offset Time																
Split Number	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Seq Number	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Offset	endgrn	endgrn	endgrn	endgrn	endgrn	endgrn	endgrn	endgrn	endgrn	endgrn	endgrn	endgrn	endgrn	endgrn	endgrn	endgrn

Coordination, Pattern 17-32 [2.1]

Pattern	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
Cycle Time																
Offset Time																
Split Number	17	18	19	20	21	22	23	24								
Seq Number	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Offset	endgrn	endgrn	endgrn	endgrn	endgrn	endgrn	endgrn	endgrn	beggrn	beggrn	beggrn	beggrn	beggrn	beggrn	beggrn	beggrn

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

1.a

NYSDOT - Region 5 Timing Sheet 7/19/2022 9:51:26 AM

Station : 53595 - 263 @ Crosspoint buisness complex (Standard File)

Coordination, Splits [2.7.1]

Split Table1	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Time																
Mode	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON
Coord Phase																

Split Table2	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Time																
Mode	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON
Coord Phase																

Split Table3	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Time																
Mode	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON
Coord Phase																

Split Table4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Time																
Mode	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON
Coord Phase																

Split Table5	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Time																
Mode	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON
Coord Phase																

Split Table6	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Time																
Mode	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON
Coord Phase																

Split Table7	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Time																
Mode	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON
Coord Phase																

Split Table8	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Time																
Mode	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON
Coord Phase																

Split Table9	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Time																
Mode	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON
Coord Phase																

Split Table10	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Time																
Mode	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON
Coord Phase																

Split Table11	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Time																
Mode	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON
Coord Phase																

Split Table12	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Time																
Mode	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON
Coord Phase																

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

NYSDOT - Region 5 Timing Sheet 7/19/2022 9:51:26 AM

Station : 53595 - 263 @ Crosspoint buisness complex (Standard File)

Split Table13	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Time																
Mode	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON
Coord Phase																

Split Table14	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Time																
Mode	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON
Coord Phase																

Split Table15	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Time																
Mode	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON
Coord Phase																

Split Table16	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Time																
Mode	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON
Coord Phase																

Split Table17	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Time																
Mode	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON
Coord Phase																

Split Table18	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Time																
Mode	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON
Coord Phase																

Split Table19	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Time																
Mode	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON
Coord Phase																

Split Table20	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Time																
Mode	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON
Coord Phase																

Split Table21	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Time																
Mode	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON
Coord Phase																

Split Table22	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Time																
Mode	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON
Coord Phase																

Split Table23	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Time																
Mode	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON
Coord Phase																

Split Table24	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Time																
Mode	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON
Coord Phase																

Split Table25	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Time																
Mode	NVD	NVD	NVD	NVD	NVD	NVD	NVD	NVD	NVD	NVD	NVD	NVD	NVD	NVD	NVD	NVD
Coord Phase																

Split Table26	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

1.a

Time																
Mode	NVD	NVD	NVD	NVD	NVD	NVD	NVD	NVD	NVD	NVD	NVD	NVD	NVD	NVD	NVD	NVD
Coord Phase																

Split Table27	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**13**	**14**	**15**	**16**
Time																
Mode	NVD	NVD	NVD	NVD	NVD	NVD	NVD	NVD	NVD	NVD	NVD	NVD	NVD	NVD	NVD	NVD
Coord Phase																

Split Table28	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**13**	**14**	**15**	**16**
Time																
Mode	NVD	NVD	NVD	NVD	NVD	NVD	NVD	NVD	NVD	NVD	NVD	NVD	NVD	NVD	NVD	NVD
Coord Phase																

Split Table29	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**13**	**14**	**15**	**16**
Time																
Mode	NVD	NVD	NVD	NVD	NVD	NVD	NVD	NVD	NVD	NVD	NVD	NVD	NVD	NVD	NVD	NVD
Coord Phase																

Split Table30	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**13**	**14**	**15**	**16**
Time																
Mode	NVD	NVD	NVD	NVD	NVD	NVD	NVD	NVD	NVD	NVD	NVD	NVD	NVD	NVD	NVD	NVD
Coord Phase																

Split Table31	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**13**	**14**	**15**	**16**
Time																
Mode	NVD	NVD	NVD	NVD	NVD	NVD	NVD	NVD	NVD	NVD	NVD	NVD	NVD	NVD	NVD	NVD
Coord Phase																

Split Table32	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**13**	**14**	**15**	**16**
Time																
Mode	NVD	NVD	NVD	NVD	NVD	NVD	NVD	NVD	NVD	NVD	NVD	NVD	NVD	NVD	NVD	NVD
Coord Phase																

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

1.a

NYSDOT - Region 5 Timing Sheet 7/19/2022 9:51:26 AM

Station : 53595 - 263 @ Crosspoint buisness complex (Standard File)

TB Coor, Advanced Scheduler [4.3]

	Month												Day of Week							Day of Month									1									2									3		
Plan	J	F	M	A	M	J	J	A	S	O	N	D	S	M	T	W	T	F	S	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	Day Plan
1																																																1
2																																																	1
3																																																	1
4																																																	1
5																																																	1
6																																																	1
7																																																	1
8																																																	1
9																																																	1
10																																																	1
11																																																	1
12																																																	1
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25																																																	1
26																																																	1
27																																																	1
28																																																	1
29																																																	1
30																																																	1
31																																																	1
32																																																	1

TB Coor, Day Plan [4.4]

Day Plan Table1	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Hour																
Minute																
Action																

Day Plan Table2	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Hour																
Minute																
Action																

Day Plan Table3	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Hour																
Minute																
Action																

Day Plan Table4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Hour																
Minute																
Action																

Day Plan Table5	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Hour																
Minute																
Action																

Day Plan Table6	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Hour																
Minute																
Action																

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

1.a

NYSDOT - Region 5 Timing Sheet 7/19/2022 9:51:26 AM

Station : 53595 - 263 @ Crosspoint buisness complex (Standard File)

Day Plan Table7	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Hour																
Minute																
Action																

Day Plan Table8	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Hour																
Minute																
Action																

Day Plan Table9	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Hour																
Minute																
Action																

Day Plan Table10	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Hour																
Minute																
Action																

Day Plan Table11	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Hour																
Minute																
Action																

Day Plan Table12	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Hour																
Minute																
Action																

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

1.a

NYSDOT - Region 5 Timing Sheet 7/19/2022 9:51:26 AM

Station : 53595 - 263 @ Crosspoint buisness complex (Standard File)

TB Coor, Action Table [4.5]

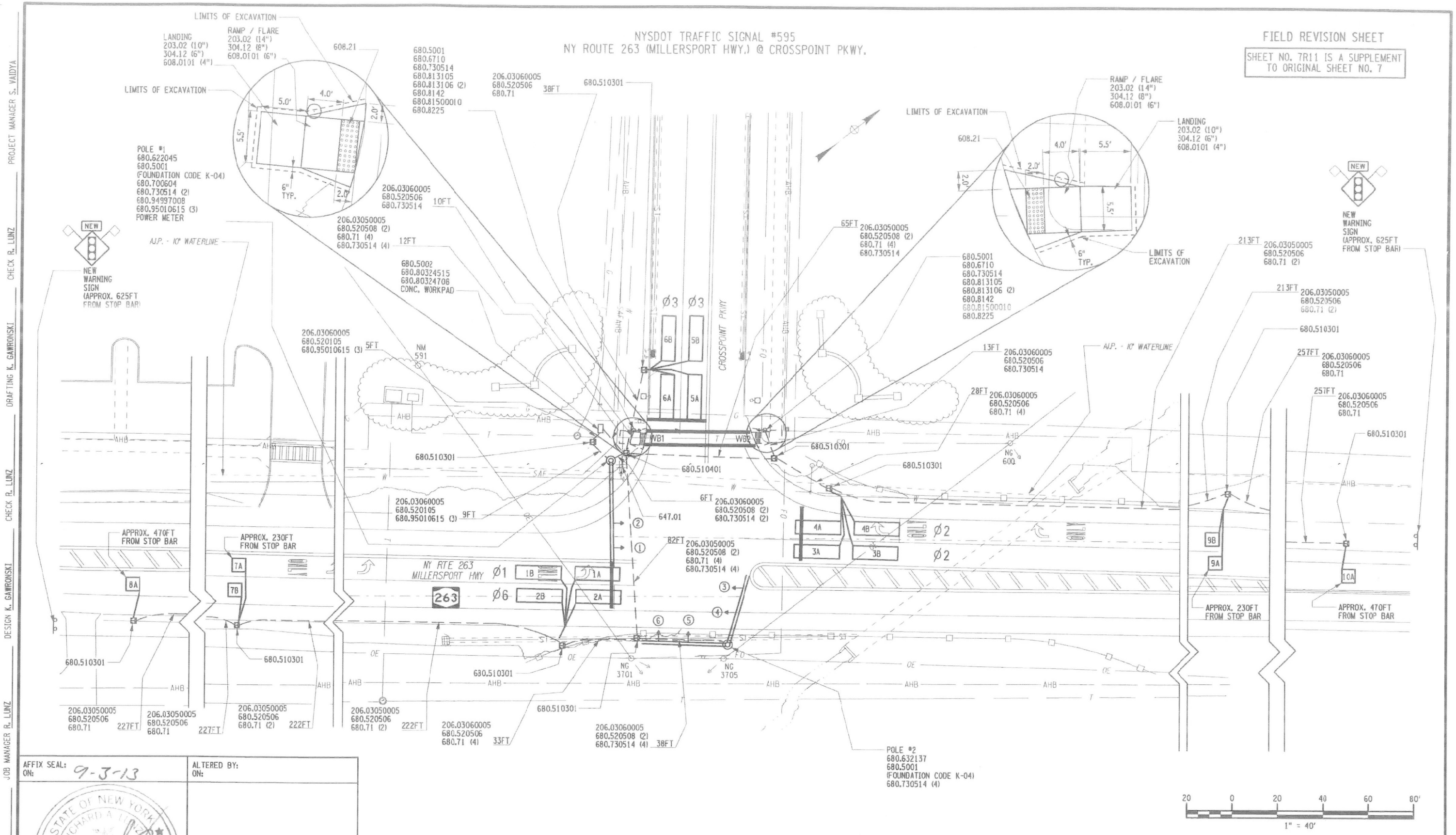
Action	Pattern	Aux 1	Aux 2	Aux 3	Special 1	Special 2	Special 3	Special 4	Special 5	Special 6	Special 7	Special 8
1	1				0	0						
2	2				0	0						
3	3				0	0						
4	4				0	0						
5	5				0	0						
6	6				0	0						
7	7				0	0						
8	8				0	0						
9	9				0	0						
10	10				0	0						
11	11				0	0						
12	12				0	0						
13	13				0	0						
14	14				0	0						
15	15				0	0						
16	16				0	0						
17	17				0	0						
18	18				0	0						
19	19				0	0						
20	20				0	0						
21	21				0	0						
22	22				0	0						
23	23				0	0						
24	24				0	0						
25					0	0						
26					0	0						
27					0	0						
28					0	0						
29					0	0						
30					0	0						
31					0	0						
32					0	0						
33					0	0						
34					0	0						
35					0	0						
36					0	0						
37					0	0						
38					0	0						
39					0	0						
40					0	0						
41					0	0						
42					0	0						
43					0	0						
44					0	0						
45					0	0						
46					0	0						
47					0	0						
48					0	0						
49					0	0						
50					0	0						
51					0	0						
52					0	0						
53					0	0						
54					0	0						
55					0	0						
56					0	0						
57					0	0						
58					0	0						
59					0	0						
60					0	0						
61					0	0						
62					0	0						
63					0	0						
64					0	0						
99					0	0						
100	255				0	0						

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

NYSDOT TRAFFIC SIGNAL #595
NY ROUTE 263 (MILLERSPORT HWY.) @ CROSSPOINT PKWY.

FIELD REVISION SHEET

SHEET NO. 7R11 IS A SUPPLEMENT TO ORIGINAL SHEET NO. 7



AFFIX SEAL: ON: 9-3-13	ALTERED BY: ON:

STATE OF NEW YORK RICHARD A. LUNZ No. 075272 LICENSED PROFESSIONAL ENGINEER

N/A

AS-BUILT REVISIONS
DESCRIPTION OF ALTERATIONS:

1/15/15 Francis K. Stock

SIGNAL EQUIPMENT INSTALLATION	PIN 5807.33 VARIOUS	BRIDGES	CULVERTS	ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED
VARIOUS LOCATIONS				NEW SIGNAL 595 NY RTE 263 (MILLERSPORT HWY) @ CROSSPOINT PKWY.
SFY 2012/2013, REQUIREMENTS CONTRACT				CONTRACT NUMBER D262040
CATTARAUGUS, CHAUTAUQUA, ERIE, & NIAGARA COUNTIES				DRAWING NO. SIG-595-1
COUNTY: VARIOUS				SHEET NO. 7R11

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

NEW YORK STATE DEPARTMENT OF TRANSPORTATION REGION 05

DOCUMENT NAME: 580733_cph_crosspoint_1.dgn

DESIGN SUPERVISOR S. VAIDYA
JOB MANAGER R. LUNZ
DESIGN K. GAWRONSKI
CHECK R. LUNZ
DRAFTING K. GAWRONSKI
PROJECT MANAGER S. VAIDYA

FILE NAME = 580733_cph_crosspoint_1.dgn
DATE/TIME = 03-SEP-2013 @ 9:52
USER = kgawronski

Packet Pg. 95

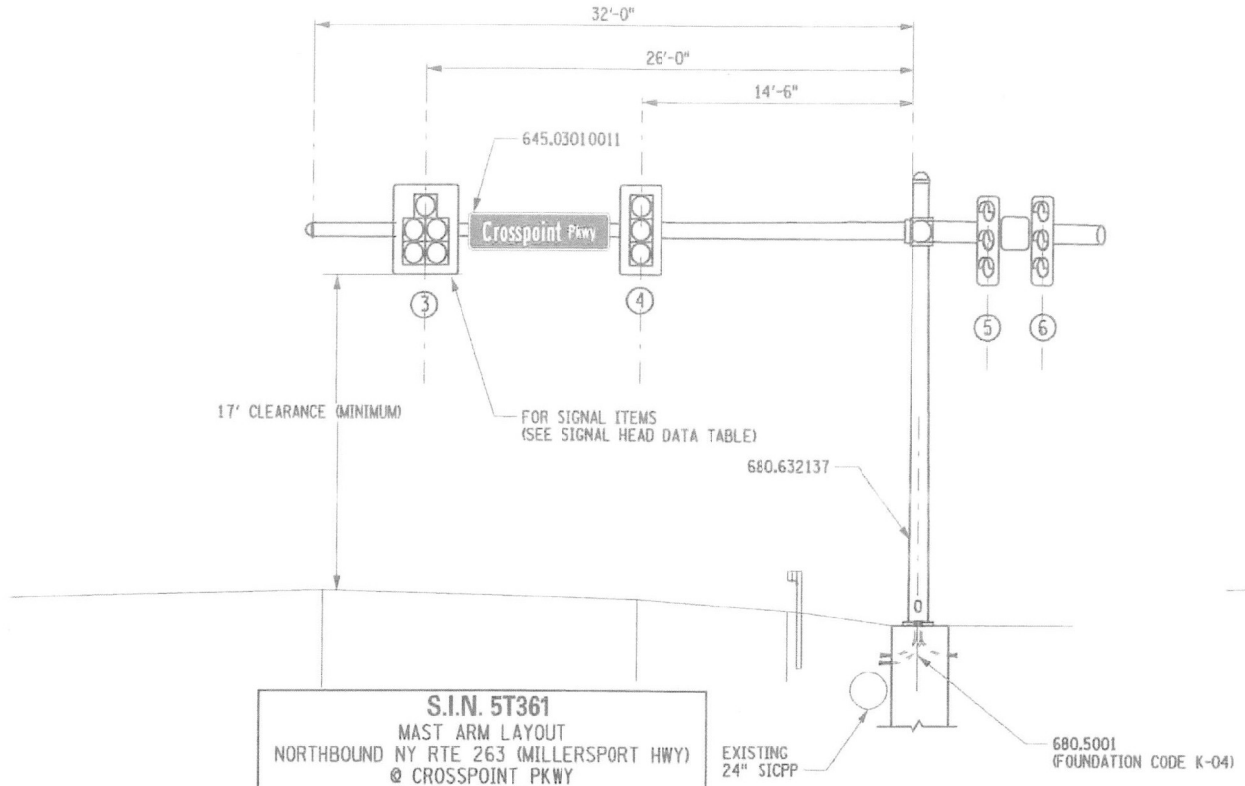
1.a

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

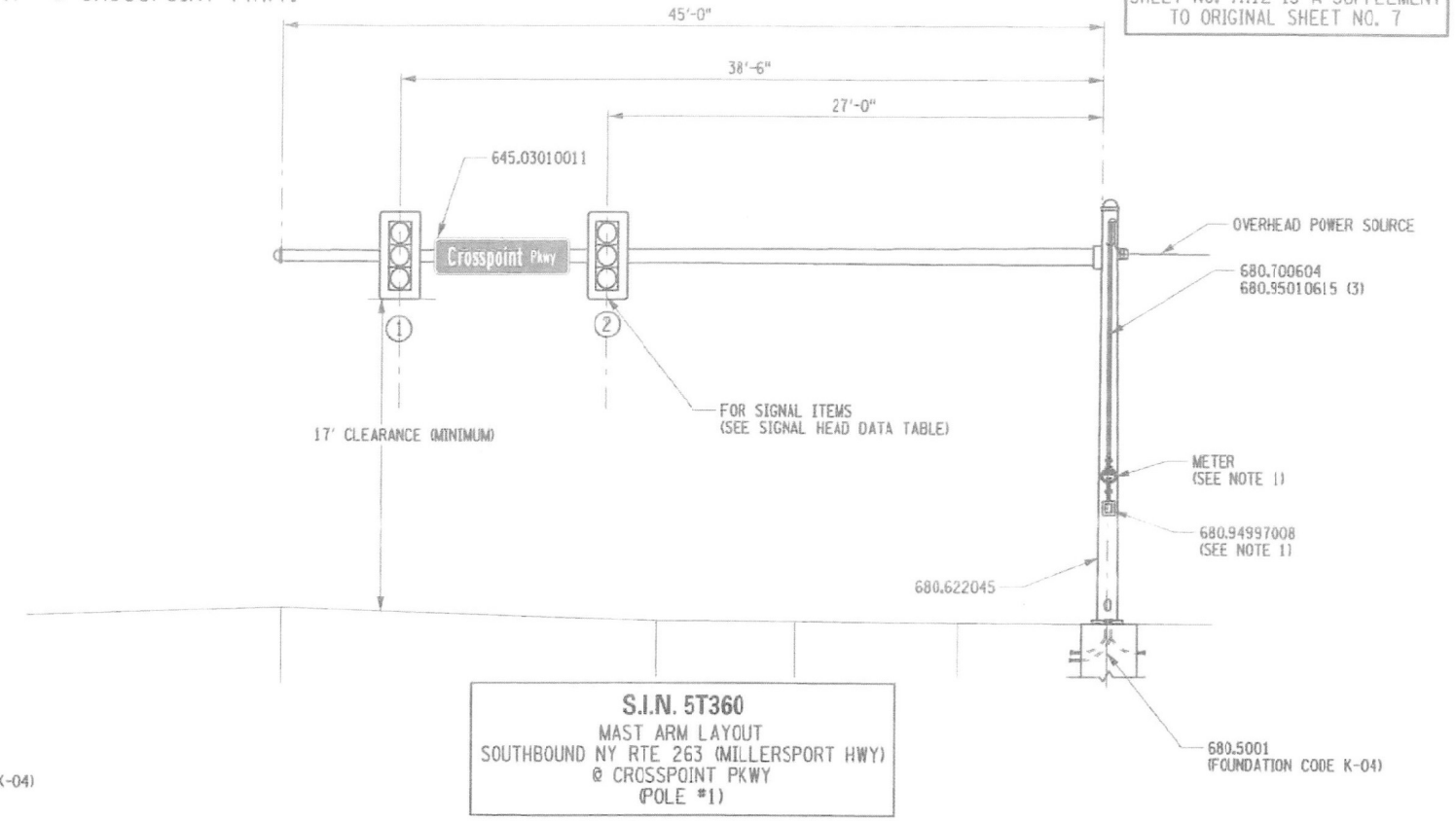
NYSDOT TRAFFIC SIGNAL #595
NY ROUTE 263 (MILLERSPORT HWY) @ CROSSPOINT PKWY.

FIELD REVISION SHEET

SHEET NO. 7R12 IS A SUPPLEMENT TO ORIGINAL SHEET NO. 7



S.I.N. 5T361
MAST ARM LAYOUT
NORTHBOUND NY RTE 263 (MILLERSPORT HWY)
@ CROSSPOINT PKWY
(POLE #2/ARM 2.1)



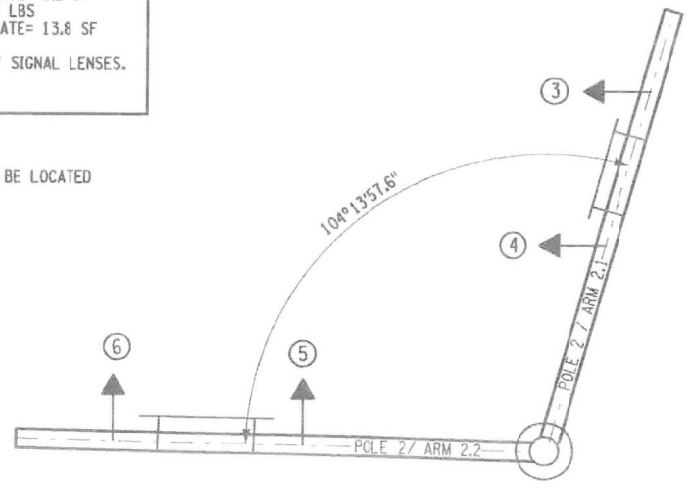
S.I.N. 5T360
MAST ARM LAYOUT
SOUTHBOUND NY RTE 263 (MILLERSPORT HWY)
@ CROSSPOINT PKWY
(POLE #1)

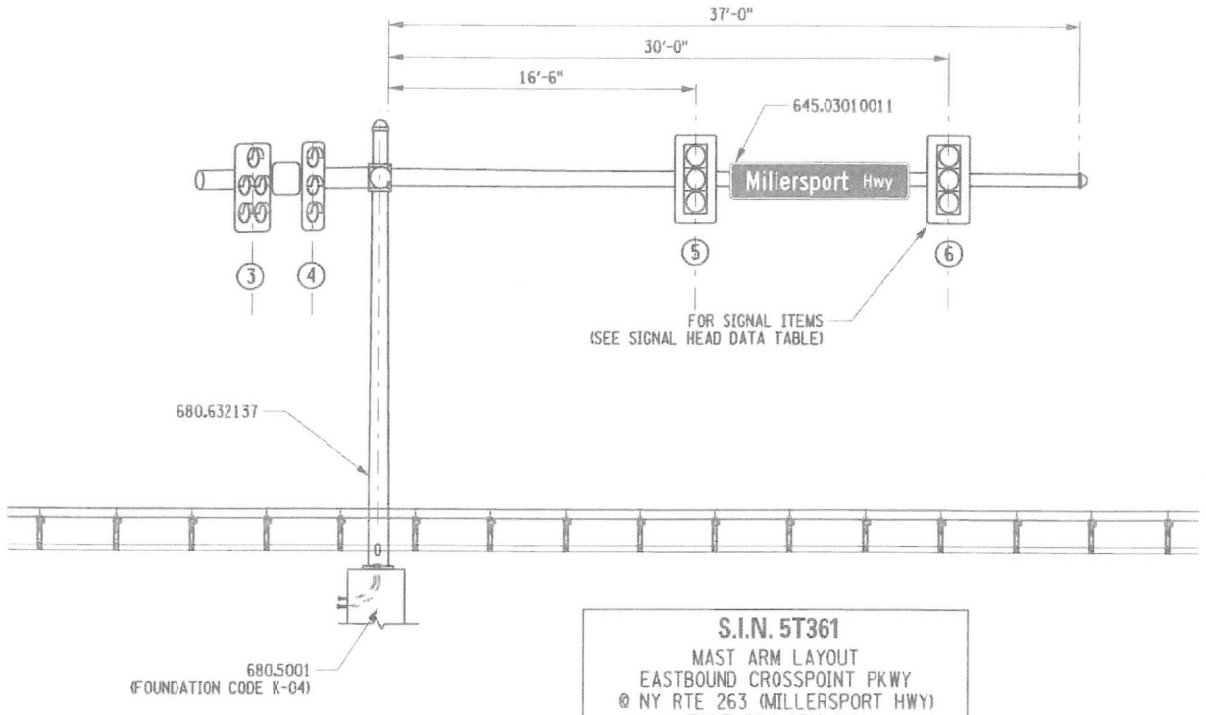
MAST ARM DESIGN CRITERIA:
WEIGHT OF 3 SECTION HEAD WITH BACKPLATE= 37.5 LBS
PROJECTED AREA OF 3 SECTION HEAD WITH BACKPLATE= 8.2 SF
WEIGHT OF 5 SECTION HEAD WITH BACKPLATE= 62.5 LBS
PROJECTED AREA OF 5 SECTION HEAD WITH BACKPLATE= 13.8 SF

WEIGHTS AND PROJECTED AREAS ARE BASED ON 12" SIGNAL LENSES.
WIND SPEED IS 80 MPH

NOTES:

1) METER AND DISCONNECT TRANSFER SWITCH ARE TO BE LOCATED 90 DEGREES FROM THE MAST ARM.





S.I.N. 5T361
MAST ARM LAYOUT
EASTBOUND CROSSPOINT PKWY
@ NY RTE 263 (MILLERSPORT HWY)
(POLE #2/ ARM 2.2)

AFFIX SEAL: ON: 9-3-13

ALTERED BY: ON:

STATE OF NEW YORK — RICHARD A. LUNZ — No. 075272 — LICENSED PROFESSIONAL ENGINEER

No

AS-BUILT REVISIONS
DESCRIPTION OF ALTERATIONS:

1/15/15

SIGNAL EQUIPMENT INSTALLATION VARIOUS LOCATIONS SFY 2012/2013, REQUIREMENTS CONTRACT CATTARAUGUS, CHAUTAUQUA, ERIE, & NIAGARA COUNTIES COUNTY: VARIOUS	PIN 5807.33 VARIOUS	BRIDGES	CULVERTS	ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED NEW SIGNAL 595 NY RTE 263 (MILLERSPORT HWY) @ CROSSPOINT PKWY.	CONTRACT NUMBER D262040 DRAWING NO. SIG-595-2 SHEET NO. 7R12

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

NEW YORK STATE DEPARTMENT OF TRANSPORTATION REGION 05

DOCUMENT NAME: 580733_cph_crosspoint_2.dgn

PROJECT MANAGER S. VAIDYA
CHECK R. LUNZ
DRAFTING K. GAWRONSKI
DESIGN K. GAWRONSKI
JOB MANAGER R. LUNZ
DESIGN SUPERVISOR S. VAIDYA

FILE NAME = 580733_cph_crosspoint_2.dgn
DATE/TIME = 03-SEP-2013 @ 9:52
USER = kgawronski

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

NYSDOT TRAFFIC SIGNAL #595
NY ROUTE 263 (MILLERSPORT HWY.) @ CROSSPOINT PKWY.

FIELD REVISION SHEET

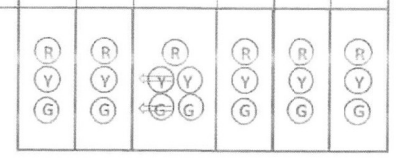
SHEET NO. 7R13 IS A SUPPLEMENT TO ORIGINAL SHEET NO. 7

QUANTITY AND ITEM LIST
SIGNAL #595 - NY ROUTE 263 (MILLERSPORT HWY) @ CROSSPOINT PKWY.

ITEM NO.	DESCRIPTION	UNIT	QTY
203.02	UNCLASSIFIED EXCAVATION AND DISPOSAL	CY	8
206.03050005	CONDUIT EXCAV & BACKFILL (IN ROADWAY)	FT	809
206.03060005	CONDUIT EXCAV & BACKFILL (NOT IN ROADWAY)	FT	478
304.12	SUBBSASE COURSE, TYPE 2	CY	5
608.0101	CONCRETE SIDEWALK	CY	3
608.21	EMBEDDED DETECTABLE WARNING UNITS	SY	3
619.1612	MAITAIN TRAFFIC SIGNAL EQUIPMENT (REQ B)	MO	12
645.03010011	HIGH VISIBILITY OVERHEAD MOUNTED SIGN PANEL	SF	49
645.03040011	HIGH VISIBILITY GROUND MOUNTED SIGN PANEL, ,<30FT, W/ ZBAF	SF	42
645.81	TYPE A SIGN POST	EA	4
647.01	REMOVAL OF SIGNS - SIZE A (0-10 SF)	EA	1
680.5001	POLE EXCAVATION AND CONCRETE FOUNDATION	CY	6
680.5002	CONCRETE BASE FOR CONTROLLER CABINET	EA	1
680.510301	PULLBOX-CIRCULAR, 24" IN DIA., REINFORCED CONCRETE	EA	10
680.510401	PULLBOX-CIRCULAR, 30" IN DIA., REINFORCED CONCRETE	EA	1
680.520105	CONDUIT, STEEL, ZINC COATED, 1 1/2 NPS	FT	14
680.520506	CONDUIT, RIGID PLASTIC, CLASS 1 , 2 NPS	FT	1041
680.520508	CONDUIT, RIGID PLASTIC, CLASS 1 , 3 NPS	FT	406
680.53080305	CONDUIT, FLEX-TIGHT NON-METAL, 1NPS	FT	46
680.54	INDUCTANCE LOOP INSTALLATION	FT	1034
680.622045	TRAFFIC SIGNAL POLE - MAST ARM	EA	1
680.632137	TRAFFIC SIGNAL POLE - MAST ARM	EA	1
680.700604	RISER ASSEMBLY, 1 1/2 NPS DIAMETER	EA	1
680.71	SHIELDED LEAD-IN CABLE	FT	2526
680.72	INDUCTANCE LOOP WIRE	FT	3152
680.730514	SIGNAL CABLE, 5 CONDUCTOR, 14 AWG	FT	1125
680.80324515	INSTALL MICROCOMPUTER CABINET	EA	1
680.80324708	MICROCOMPUTER BASE (ALUMINUM)	EA	1
680.810101	SIGNAL MODULE - 12 IN, RED BALL LED	EA	6
680.810103	SIGNAL MODULE - 12 IN, YELLOW BALL LED	EA	6
680.810104	SIGNAL MODULE - 12 IN, YELLOW ARROW LED	EA	1
680.810105	SIGNAL MODULE - 12 IN, GREEN BALL LED	EA	6
680.810106	SIGNAL MODULE - 12 IN, GREEN ARROW LED	EA	1
680.810601	SIGNAL SECTION, POLYCARBONITE, TYPE 1, 12IN	EA	20
680.8111	TRAFFIC SIGNAL BRACKET ASSEMBLY - 1 WAY	EA	6
680.81990010	TRAFFIC SIGNAL HEAD BACK PLATES	EA	6
680.94997008	F AND I ELECTRICAL DISCONNECT GEN. TRAN SWITCH	EA	1
680.95010615	SERVICE CABLE, 1 CONDUCTOR, 6 AWG	FT	133

OPERATION SCHEDULE

PHASE \ FACE	1	2	3	4	5	6
Ø1 + Ø6	R	R	⇦G / G	G	R	R
CLEARANCE	R	R	⇦Y / G	G	R	R
CLEARANCE	R	R	G	G	R	R
Ø2 + Ø6	G	G	G	G	R	R
CLEARANCE	Y	Y	Y	Y	R	R
ALL RED	R	R	R	R	R	R
Ø3	R	R	R	R	G	G
CLEARANCE	R	R	R	R	Y	Y
ALL RED	R	R	R	R	R	R

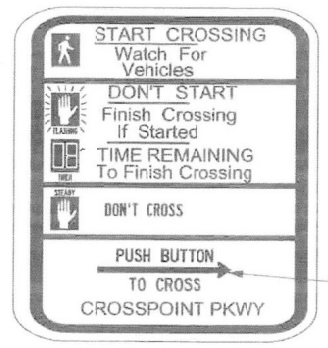


LOOP DETECTOR DATA TABLE

NO.	SIZE	NO. TURNS	WIRED	FUNCTION	206.03060005 (FT)	680.53080305 (FT)	680.54 (FT)	680.72 (FT)	680.71 (FT)
1A	6 x 20	3	DIRECT	NY RTE 263 - NB -LFT	8	8	73	214	143
1B	6 x 20	3	DIRECT				73	214	
2A	6 x 20	3	DIRECT	NY RTE 263 - NB -THRU		8	63	194	143
2B	6 x 20	3	DIRECT				63	194	
3A	6 x 20	3	DIRECT	NY RTE 263 - SB -THRU	6	6	75	214	121
3B	6 x 20	3	DIRECT				75	214	
4A	6 x 20	3	DIRECT	NY RTE 263 - SB -RT		6	63	190	121
4B	6 x 20	3	DIRECT				63	190	
5A	6 x 20	3	DIRECT	CROSSPOINT - LFT	3	3	70	198	63
5B	6 x 20	3	DIRECT				70	198	
6A	6 x 20	3	DIRECT	CROSSPOINT - RT		3	59	176	63
6B	6 x 20	3	DIRECT				59	176	
7A	6 x 6	4	DIRECT	NYRTE 263 - NB -SETBACK	3	3	46	146	361
7B	6 x 6	4	DIRECT				34	122	
8A	6 x 6	4	DIRECT	NYRTE 263 - NB -SETBACK	3	3	35	124	591
9A	6 x 6	4	DIRECT	NYRTE 263 - SB -SETBACK	3	3	45	144	330
9B	6 x 6	4	DIRECT				35	124	
10A	6 x 6	4	DIRECT	NYRTE 263 - SB -SETBACK	3	3	33	120	590
				TOTALS	29 FT	46 FT	1034 FT	3152 FT	2526 FT

SIGNAL HEAD DATA TABLE

FACE \ ITEM	680.810101	680.810103	680.810104	680.810105	680.810106	680.810601	680.8111	680.81990010
1	1	1		1		3	1	1
2	1	1		1		3	1	1
3	1	1	1	1	1	5	1	1
4	1	1		1		3	1	1
5	1	1		1		3	1	1
6	1	1		1		3	1	1
TOTALS	6 EA	6 EA	1 EA	6 EA	1 EA	20 EA	6 EA	6 EA



R10-3I

NEW PEDESTRIAN SIGNS (ITEM 680.8225) SHALL BE SIGN NUMBER R10-3I FROM THE MUTCD.

"CROSSPOINT PKWY" FOR WB1, WB2

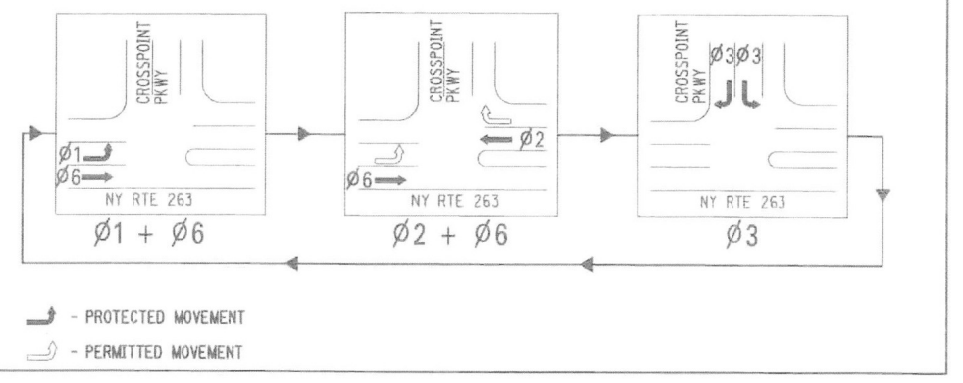
ARROW MAY FACE LEFT OR RIGHT, IT IS CONTRACTORS RESPONSIBILITY FOR PROPER ARROW ORIENTATION.

SIGNING NOTES:

1. SIGN LOCATIONS AS SHOWN ON PLANS ARE APPROXIMATE. THE CONTRACTOR SHALL INSTALL NEW SIGNS AND RELOCATE EXISTING SIGNS IN ACCORDANCE WITH THE MUTCD AND NYS SUPPLEMENT.
2. THE COLOR IS ONLY SHOWN WHEN THERE IS AN OPTION THAT MUST BE SPECIFIED.
3. THE AREA AND PAYMENT AREA FOR SIGNS ARE FROM THE APPLICABLE STANDARD SHEETS OR SIGN FACE LAYOUTS.

DESIGNATION & COLOR (SEE NOTE 2)	LOCATION	TEXT	ITEM	SIZE AREA (SEE NOTE 3)	PAYMENT AREA (SEE NOTE 3) TOTAL PAYMENT AREA
W16-15P NYW7-15 W3-3	595-1 595-2 2	NEW	645.03040011 645.81	24" X 18" 12" X 12" 48" X 48"	21.0 SF
				21.0 SF	42.0 SF
D3-1	595-3 595-4 2	Crosspoint Pkwy	645.03010011	90" X 24"	15.0 SF
				15.0 SF	30.0 SF
D3-1	595-5 1	Millersport Hwy	645.03010011	114" X 24"	19.0 SF
				19.0 SF	19.0 SF

PREFERENTIAL PHASING SEQUENCE



AFFIX SEAL: ON: 9-3-13

ALTERED BY: ON:

STATE OF NEW YORK RICHARD A. LUNZ No. 075212 LICENSED PROFESSIONAL ENGINEER

AS-BUILT REVISIONS
DESCRIPTION OF ALTERATIONS:

1/15/15 Frank C Stark

SIGNAL EQUIPMENT INSTALLATION VARIOUS LOCATIONS SFY 2012/2013, REQUIREMENTS CONTRACT CATTARAUGUS, CHAUTAUQUA, ERIE, & NIAGARA COUNTIES COUNTY: VARIOUS	PIN 5807.33 VARIOUS	BRIDGES	CULVERTS	ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED NEW SIGNAL 595 NT RTE 263 (MILLERSPORT HWY) @ CROSSPOINT PKWY.

CONTRACT NUMBER D262040

DRAWING NO. SIG-595-3

SHEET NO. 7R13

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

NEW YORK STATE DEPARTMENT OF TRANSPORTATION REGION 05

DOCUMENT NAME: 580733_cph_crosspoint_3.dgn

DESIGN SUPERVISOR S. VAIDYA | JOB MANAGER R. LUNZ | DESIGN K. GAWRONSKI | DRAFTING K. GAWRONSKI | CHECK R. LUNZ | PROJECT MANAGER S. VAIDYA | CHECK R. LUNZ

FILE NAME = 580733_cph_crosspoint_3.dgn
DATE/TIME = 03-SEP-2013 09:50
USER = kgawronski

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

Station : 3289 - 263 @ N0rth French (Standard File)

Phase [1.1.1]

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Walk		7		7		7		7								
Ped Clearance		15		15		15		15								
Min Green	3	10		6	6	10	4	6								
Passage	3	4		4	2	4	2	4								
Max1	20	40		40	20	40	20	40								
Max2																
Yellow	3.2	5	3.5	5	3.2	5	3.2	5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
Red	1.1	1	1.5	1	1.1	1	1.1	1	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
Red Revert																
Added Initial																
Max Initial																
Time Before Reduce																
Cars Before Reduce																
Time To Reduce																
Reduce By																
Min Gap																
Dynamic Max Limit																
Dynamic Max Step																
Auto Exit																
Rest In Walk																

Phase Option [1.1.2]

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Enable	ON	ON		ON	ON	ON	ON	ON								
Auto Entry																
Non Act1																
Non Act2																
Lock Call																
Min Recall																
Max Recall																
Ped Recall																
Soft Recall																
Dual Entry		ON		ON		ON		ON								
Sim Gap Enable	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON
Guar Passage																
Cond Service																
Add Init Calc																

Alternate Phase Program 1, Calls and Redirection [1.1.6.3]

Entry	Call Phases				From	To	From	To	From	To	From	To	Assigned Ph
1													
2													
3													
4													
5													
6													
7													
8													

Alternate Phase Program 2, Calls and Redirection [1.1.6.3]

Entry	Call Phases				From	To	From	To	From	To	From	To	Assigned Ph
1													
2													
3													
4													
5													
6													
7													
8													

Alternate Phase Program 1, Interval Times [1.1.6.1]

Phase	Walk	Ped Clear	Min Green	Passage	Max1	Max2	Yellow	Red Clear	Assign Ph	Bike Clear
1										
2										
3										
4										
5										
6										
7										
8										

Alternate Phase Program 2, Interval Times [1.1.6.1]

Phase	Walk	Ped Clear	Min Green	Passage	Max1	Max2	Yellow	Red Clear	Assign Ph	Bike Clear
1										
2										
3										
4										
5										
6										
7										
8										

Prepared By	Date Implemented	Reviewed By	Traffic Engineer

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

Station : 3289 - 263 @ N0rth French (Standard File)

Unit Parameters [1.2.1]

StartUp Flash	Auto Ped Clear	Backup Time	Red Revert	Aux Switch Function	Local Flash Start	Console Timeout	Yellow 3 Second Disable	Tone Disable	Omit Yellow Enable	MCE Timeout	Enable Run	Start Red Time	Phase Mode	Disable Init Ped	Diamond Mode	TOD Dim Enable	Extra Maps Enable	D Connector Enable	SDLC Retry Time	TS2 Det Faults	Stop Time Over Preempt
	OFF	900	3	STOPTM	RED	20	OFF	OFF	OFF		OFF	6	STD8	OFF	4PH	OFF	DEFAULT			ON	OFF

Comm, General Comm Parameters [6.1]

Station ID	Master Station ID	Fallback time	Allow Pencil	Port	System-Up	Sys-Down	PC/Print	Aux 232
3289								

Port Parameters [6.2]

Comm	Mode	Baud	MsgTime	Duplex	Enable	DialTime	Modem	ModemTime	Tel#1	Tel#2
System Up(P-A)										
System Down(P-B)										
PC/Print(P-2)										

Overlap General Parameters [1.5.1]

Conflict Lock	Lock Inhibit	Program Card	Use Parent	Canadian Fast Flash
OFF	OFF	OFF	ON	

Overlap Program Parameters [1.5.2.1]

Overlap	Included Phases								Modifer Phases								Type	Green	Yellow	Red
Overlap 1																	NORMAL		3.5	1.5
Overlap 2																	NORMAL		3.5	1.5
Overlap 3																	NORMAL		3.5	1.5
Overlap 4																	NORMAL		3.5	1.5
Overlap 5																	NORMAL		3.5	1.5
Overlap 6																	NORMAL		3.5	1.5
Overlap 7																	NORMAL		3.5	1.5
Overlap 8																	NORMAL		3.5	1.5

Overlap Conflict Parameters+ [1.5.2.2]

Overlap	Conflicting Phases								Conflicting Overlaps								Conflicting Peds							
Overlap 1																								
Overlap 2																								
Overlap 3																								
Overlap 4																								
Overlap 5																								
Overlap 6																								
Overlap 7																								
Overlap 8																								

Detector, Vehicle Parameters 1-16 [5.1]

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Call Phase	1	2	2	5	6	6	4	7	8	8	2	6	4	8		
Switch Phase																
Delay Time																

Detector, Vehicle Parameters 17-32 [5.1]

	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
Call Phase																
Switch Phase																
Delay Time																

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

1.a

Station : 3289 - 263 @ N0rth French (Standard File)

Detector Alternate Program 1, Vehicle Parameters [5.5.1]

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Call Phase																
Switch Phase																
Delay Time																

Channels/SDLC, Assign to Phases [1.3.1]

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
PH/OLP #	1	6	2	7	8	4				5	2	6	4	8										
Type	VEH	VEH	VEH	VEH	VEH	VEH	VEH	VEH	VEH	VEH	PED	PED	PED	PED	VEH	VEH	VEH	VEH	VEH	VEH	VEH	VEH	VEH	VEH
Flash	RED	RED	RED	RED	RED	RED	RED	RED	RED	RED	RED	RED	RED	RED	RED	RED	DRK	DRK	DRK	DRK	DRK	DRK	DRK	DRK
Flash 1-2 Hertz																								
Dimming Green																								
Dimming Yellow																								
Dimming Red																								
Alt Cyc	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

Channel/SDLC, Parameters [1.3.3]

TOD Dim Enable	Extra Maps Enable	D Connector Enable	Single BIU Map	IO Mode	Preempt or Ext Output

Channel/SDLC, MMU Map [1.3.5]

MMU-to-Controller Channel Map

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16

Channel/SDLC, Permissive [1.3.4]

Channel	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2
1															
2															
3															
4															
5															
6															
7															
8															
9															
10															
11															
12															
13															
14															
15															

Channel/SDLC, Permissive [1.3.7]

SDLC Device	Term/Fac								Detector								MMU	Diag
BIU#	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8		
Present																		
Peer to Peer																		

Ring Sequence [1.2.4]

Ring	P1	P2	P3	P4	P5	P6	P7	P8
Ring 1	1	2	3	4				
Ring 2	5	6	7	8				
Ring 3								
Ring 4								

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

Station : 3289 - 263 @ N0rth French (Standard File)

Alarms, Enable Events [1.6.1]

Event#	Event Enable
1	ON
2	ON
3	
4	ON
5	ON
6	ON
7	
8	
9	ON
10	
11	
12	ON
13	
14	ON
15	
16	
17	ON
18	ON
19	ON
20	ON
21	
22	
23	
24	
25	ON
26	
27	ON
28	ON
29	ON
30	
31	
32	
33	
34	
35	
36	
37	
38	
39	
40	
41	
42	
43	ON
44	ON
45	
46	
47	
48	ON
49	ON
50	ON
51	ON
52	ON
53	ON
54	ON
55	ON
56	ON
57	ON
58	ON
59	
60	
61	ON
62	
63	
64	

Alarms, Enable Alarms [1.6.4]

Alarm#	Alarm Enable
1	ON
2	ON
3	
4	ON
5	ON
6	ON
7	
8	
9	
10	
11	
12	ON
13	
14	ON
15	
16	
17	
18	
19	
20	ON
21	
22	
23	
24	
25	ON
26	
27	ON
28	
29	
30	
31	
32	
33	
34	
35	
36	
37	
38	
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64	

Preemption Times[3.1]/Phases[3.2]/Options[3.3]

Channel	1	2	3	4	5	6
Lock Input	ON	ON	ON	ON	ON	ON
Override Flash	ON	ON	ON	ON	ON	ON
Override Higher	ON	ON	ON	ON	ON	ON
Flash Dwell						
Link						
Delay						
Min Duration						
Min Green						
Min Walk						
Ped Clear						
Track Green						
Min Dwell	2	2	2	2	2	2
Max Presence						
Track R1						
Track R2						
Track R3						
Track R4						
Dwell P1						
Dwell P2						
Dwell P3						
Dwell P4						
Dwell P5						
Dwell P6						
Dwell P7						
Dwell P8						
Dwell P9						
Dwell P10						
Dwell P11						
Dwell P12						
Dwell Ped1						
Dwell Ped2						
Dwell Ped3						
Dwell Ped4						
Dwell Ped5						
Dwell Ped6						
Dwell Ped7						
Dwell Ped8						
Exit R1						
Exit R2						
Exit R3						
Exit R4						

Alarms, Parameters [1.4.1]

Auto Flash Parameter

Yellow	Red	Mode	Source
45	20	PH OVER	D-CONN

Alarms, Parameters [1.6.7]

Preempt Event Enabled	Pattern Event Enabled
OFF	OFF

Alarms, Phases/Overlaps [1.4.2]

Auto Flash	1	2	3	4	5	6	7	8	9	10	11	12
Phases												
Overlaps												

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

Station : 3289 - 263 @ N0rth French (Standard File)

Preemption Times+[3.4]/Overlaps+[3.5]/Options+[3.6]

Preempt	1	2	3	4	5	6
Enable	ON	ON	ON	ON	ON	ON
Type	RAIL	RAIL	EMERG	EMERG	EMERG	EMERG
Skip Track						
Volt Mon Flash						
Coord in Preempt	ON	ON	ON	ON	ON	ON
Max2						
Return Max/Min	MAX	MAX	MAX	MAX	MAX	MAX
Extend Dwell						
Pattern						
Output Mode	DWELL	DWELL	DWELL	DWELL	DWELL	DWELL
Track Over 1						
Track Over 2						
Track Over 3						
Track Over 4						
Track Over 5						
Track Over 6						
Track Over 7						
Track Over 8						
Track Over 9						
Track Over 10						
Track Over 11						
Track Over 12						
Dwell Over 1						
Dwell Over 2						
Dwell Over 3						
Dwell Over 4						
Dwell Over 5						
Dwell Over 6						
Dwell Over 7						
Dwell Over 8						
Dwell Over 9						
Dwell Over 10						
Dwell Over 11						
Dwell Over 12						
Ped Clear						
Yellow						
Red						
Max Green						

Coordination, Modes,+ [2.1]

Modes

Operational	Correct	Maximum	Force-Off
	SHRT/LNG	MAX 1	FLOAT

Modes+

Mode	Leave Before	Leave After	Recycle	Stop In Walk	External	Auto Reset	Latch Sec Foff	Coord Easy Float	Yield Value	Coord NTCIP Yield Sign	Closed Loop Active
FRC	TIMED	TIMED	NO_RECYCLE	OFF	OFF	ON	OFF	OFF	0	+	ON

Coordination, Pattern 1-16 [2.1]

Pattern	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Cycle Time																
Offset Time																
Split Number	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Seq Number	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Offset	endgrn	endgrn	endgrn	endgrn	endgrn	endgrn	endgrn	endgrn	endgrn	endgrn	endgrn	endgrn	endgrn	endgrn	endgrn	endgrn

Coordination, Pattern 17-32 [2.1]

Pattern	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
Cycle Time																
Offset Time																
Split Number	17	18	19	20	21	22	23	24								
Seq Number	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Offset	endgrn	endgrn	endgrn	endgrn	endgrn	endgrn	endgrn	endgrn	beggrn	beggrn	beggrn	beggrn	beggrn	beggrn	beggrn	beggrn

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

Station : 3289 - 263 @ N0rth French (Standard File)

Coordination, Splits [2.7.1]

Split Table 1	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Time																
Mode	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON
Coord-Ph																

Split Table 2	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Time																
Mode	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON
Coord-Ph																

Split Table 3	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Time																
Mode	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON
Coord-Ph																

Split Table 4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Time																
Mode	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON
Coord-Ph																

Split Table 5	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Time																
Mode	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON
Coord-Ph																

Split Table 6	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Time																
Mode	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON
Coord-Ph																

Split Table 7	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Time																
Mode	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON
Coord-Ph																

Split Table 8	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Time																
Mode	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON
Coord-Ph																

Split Table 9	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Time																
Mode	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON
Coord-Ph																

Split Table 10	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Time																
Mode	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON
Coord-Ph																

Split Table 11	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Time																
Mode	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON
Coord-Ph																

Split Table 12	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Time																
Mode	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON
Coord-Ph																

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

Station : 3289 - 263 @ N0rth French (Standard File)

Split Table 13	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Time																
Mode	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON
Coord-Ph																

Split Table 14	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Time																
Mode	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON
Coord-Ph																

Split Table 15	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Time																
Mode	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON
Coord-Ph																

Split Table 16	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Time																
Mode	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON
Coord-Ph																

Split Table 17	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Time																
Mode	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON
Coord-Ph																

Split Table 18	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Time																
Mode	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON
Coord-Ph																

Split Table 19	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Time																
Mode	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON
Coord-Ph																

Split Table 20	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Time																
Mode	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON
Coord-Ph																

Split Table 21	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Time																
Mode	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON
Coord-Ph																

Split Table 22	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Time																
Mode	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON
Coord-Ph																

Split Table 23	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Time																
Mode	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON
Coord-Ph																

Split Table 24	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Time																
Mode	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON	NON
Coord-Ph																

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

Station : 3289 - 263 @ N0rth French (Standard File)

TB Coor, Advanced Scheduler [4.3]

	Month												Day of Week							Day of Month									1									2									3		
Plan	J	F	M	A	M	J	J	A	S	O	N	D	S	M	T	W	T	F	S	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	Day Plan
1																																																1
2																																																	1
3																																																	1
4																																																	1
5																																																	1
6																																																	1
7																																																	1
8																																																	1
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28																																																	1
29																																																	1
30																																																	1
31																																																	1
32																																																	1

TB Coor, Day Plan [4.4]

Day Plan Table 1	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Hour																
Minute																
Action																

Day Plan Table 2	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Hour																
Minute																
Action																

Day Plan Table 3	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Hour																
Minute																
Action																

Day Plan Table 4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Hour																
Minute																
Action																

Day Plan Table 5	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Hour																
Minute																
Action																

Day Plan Table 6	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Hour																
Minute																
Action																

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

Station : 3289 - 263 @ N0rth French (Standard File)

Day Plan Table 7	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Hour																
Minute																
Action																

Day Plan Table 8	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Hour																
Minute																
Action																

Day Plan Table 9	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Hour																
Minute																
Action																

Day Plan Table 10	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Hour																
Minute																
Action																

Day Plan Table 11	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Hour																
Minute																
Action																

Day Plan Table 12	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Hour																
Minute																
Action																

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

Station : 3289 - 263 @ N0rth French (Standard File)

TB Coor, Action Table [4.5]

Action	Pattern	Aux 1	Aux 2	Aux 3	Special 1	Special 2	Special 3	Special 4	Special 5	Special 6	Special 7	Special 8
1	1				0	0						
2	2				0	0						
3	3				0	0						
4	4				0	0						
5	5				0	0						
6	6				0	0						
7	7				0	0						
8	8				0	0						
9	9				0	0						
10	10				0	0						
11	11				0	0						
12	12				0	0						
13	13				0	0						
14	14				0	0						
15	15				0	0						
16	16				0	0						
17	17				0	0						
18	18				0	0						
19	19				0	0						
20	20				0	0						
21	21				0	0						
22	22				0	0						
23	23				0	0						
24	24				0	0						
25					0	0						
26					0	0						
27					0	0						
28					0	0						
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53					0	0						
54					0	0						
55					0	0						
56					0	0						
57					0	0						
58					0	0						
59					0	0						
60					0	0						
61					0	0						
62					0	0						
63					0	0						
64					0	0						
99					0	0						
100	255				0	0						

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

Permit 5-97-0948

PREFERENTIAL PHASING SEQUENCE

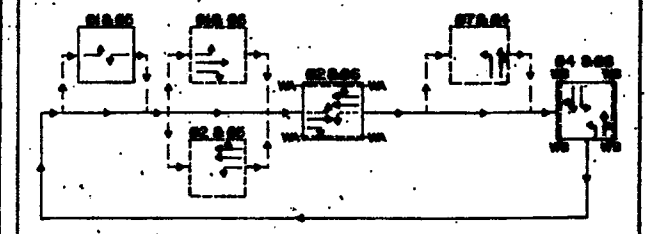


TABLE OF CLEARANCES

TO	FROM R	FROM G	FROM ⇦ G	FROM G	FROM ⇦ G	FROM R
R	R	Y	⇦ Y	G	⇦ G	R
G	R	R	–	R	–	R
⇦ G	R	G	⇦ G	G	⇦ G	R
	R	G	–	G	–	R
	R	G	⇦ G	G	⇦ G	R
⇦ R	R	Y	⇦ Y	G	⇦ G	R
	R	G	⇦ G	R	⇦ G	R

OPERATION SCHEDULE

PHASE \ FACE	1	2	3	4	5	6	7	8	9W	10W
PHASE 1	⇦ R	R	R	R	R	R	R	R	DW	DW
PHASE 6	G	G	R	R	R	R	R	R	DW	DW
PHASE 1 + PHASE 6	⇦ G	G	R	R	R	R	R	R	DW	DW
PHASE 5	R	R	⇦ R	R	R	R	R	R	DW	DW
PHASE 2	R	R	G	G	R	R	R	R	DW	DW
PHASE 5 + PHASE 2	R	R	⇦ G	G	R	R	R	R	DW	DW
PHASE 1 + PHASE 5	⇦ R	R	⇦ R	R	R	R	R	R	DW	DW
PHASE 2 + PHASE 6	G	G	G	G	R	R	R	R	WP/DW	DW
PHASE 7	R	R	R	R	R	R	⇦ R	R	DW	DW
PHASE 4	R	R	R	R	R	R	G	G	DW	DW
PHASE 7 + PHASE 4	R	R	R	R	R	R	⇦ G	G	DW	DW
PHASE 8	R	R	R	R	R	G	G	R	DW	DW
PHASE 4 + PHASE 8	R	R	R	R	R	G	G	G	DW	WP/DW
BEACON	PY	PY	PY	PY	PR	PR	PR	PR	DARK	DARK
SIGNAL DISPLAY (ALL LENSES 300 MM DIAMETER)	R Y ⇦ G	R Y ⇦ G	R Y ⇦ G	R Y ⇦ G	R Y ⇦ G	R Y ⇦ G	R Y ⇦ G	R Y ⇦ G	WALK FDW DW	WALK FDW DW

ASSIGNMENT OF SIGNAL ASSEMBLIES TO SIGNAL FACES

ASSEMBLY	SIGNAL ASSEMBLY STANDARD	SIGNAL ASSEMBLY 4 WITH YELLOW & GREEN LEFT TURN ARROWS
FACES(S)	2,4,5,6,8	1,3,7

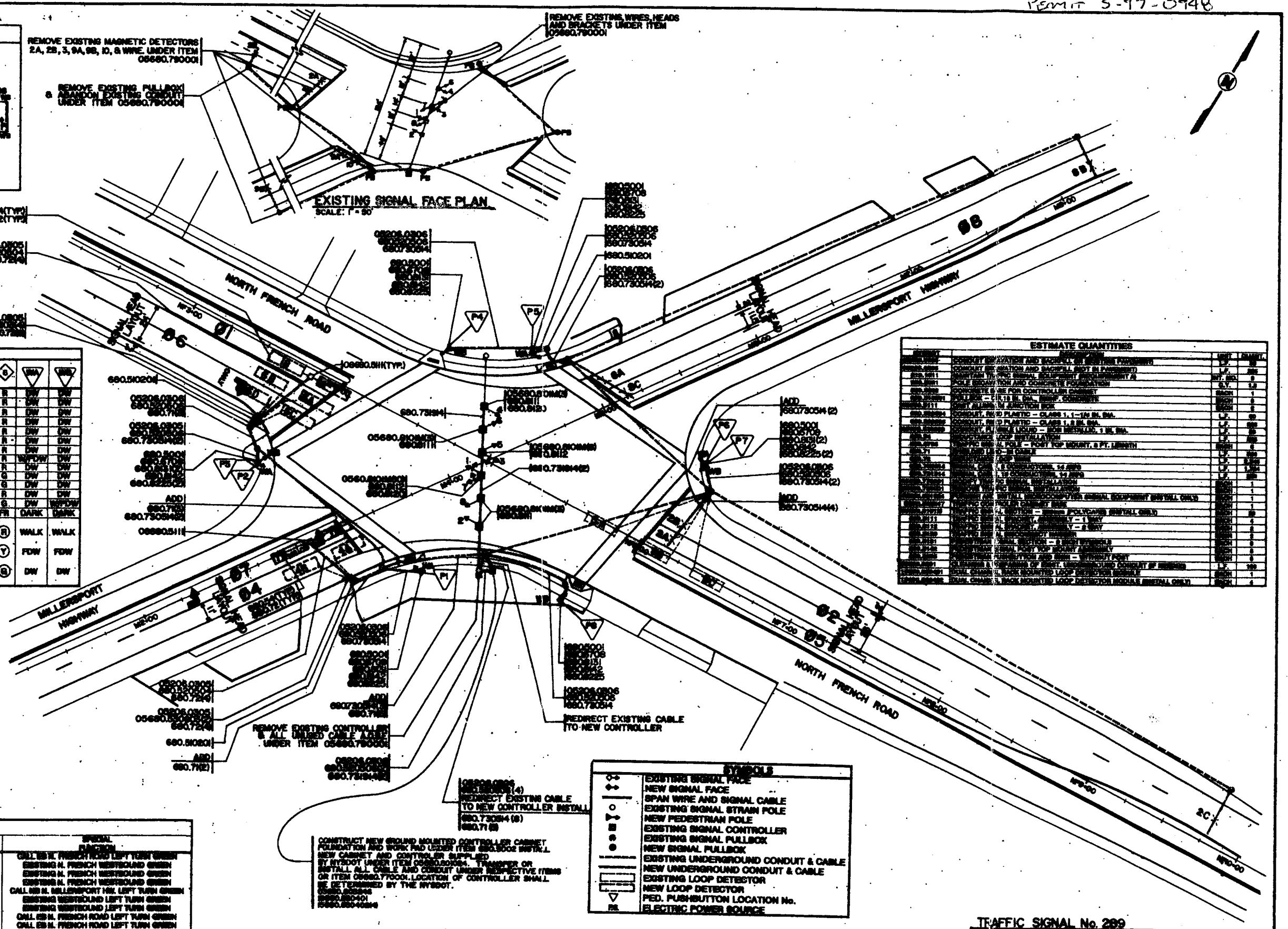
DETECTOR DATA

LOC. NO.	TRAFFIC TYPE	DETECTOR TYPE	LOOPS WIDE	LOOPS LENGTH	PHASE CALLED	MODE	SPECIAL FUNCTION
1A, 1B	VEHICLE	LOOP	6 x 30	3	PHASE 1	PRESENCE	CALL EB N. FRENCH ROAD LEFT TURN GREEN
3A	VEHICLE	MAG. DET.	–	–	PHASE 2	CALLING	EXISTING N. FRENCH WESTBOUND GREEN
3B	VEHICLE	MAG. DET.	–	–	PHASE 2	CALLING	EXISTING N. FRENCH WESTBOUND GREEN
3C	VEHICLE	MAG. DET.	–	–	PHASE 2	PULSE	EXISTING N. FRENCH WESTBOUND GREEN
4A, 4B	VEHICLE	LOOP	6 x 30	3	PHASE 4	PRESENCE	CALL EB N. MILLERSPORT HW. LEFT TURN GREEN
5A, 5B	VEHICLE	LOOP	6 x 30	3	PHASE 5	PRESENCE	EXISTING WESTBOUND LEFT TURN GREEN
5C	VEHICLE	LOOP	6 x 30	3	PHASE 5	PRESENCE	EXISTING WESTBOUND LEFT TURN GREEN
6A, 6B	VEHICLE	LOOP	6 x 30	3	PHASE 6	PRESENCE	CALL EB N. FRENCH ROAD LEFT TURN GREEN
6C, 6D	VEHICLE	LOOP	6 x 30	3	PHASE 6	PRESENCE	CALL EB N. FRENCH ROAD LEFT TURN GREEN
7A, 7B	VEHICLE	LOOP	6 x 30	3	PHASE 7	PRESENCE	CALL NB MILLERSPORT HW. LEFT TURN GREEN
8A	VEHICLE	MAG. DET.	–	–	PHASE 8	CALLING	EXIST. MILLERSPORT HWY. SOUTHBOUND GREEN
8B	VEHICLE	MAG. DET.	–	–	PHASE 8	CALLING	EXIST. MILLERSPORT HWY. SOUTHBOUND GREEN
8C	VEHICLE	MAG. DET.	–	–	PHASE 8	PULSE	EXIST. MILLERSPORT HWY. SOUTHBOUND GREEN
P1,P2	PEDESTRIAN	PUSHBUTTON	– –	– –	WA	CALL	TO CROSS MILLERSPORT HIGHWAY
P3,P4	PEDESTRIAN	PUSHBUTTON	– –	– –	WB	CALL	TO CROSS NORTH FRENCH ROAD
P5,P6	PEDESTRIAN	PUSHBUTTON	– –	– –	WA	CALL	TO CROSS MILLERSPORT HIGHWAY
P7, P8	PEDESTRIAN	PUSHBUTTON	– –	– –	WB	CALL	TO CROSS NORTH FRENCH ROAD

EXACT LOCATION OF LOOP DETECTORS SHALL BE DETERMINED BY THE ENGINEER.
PHASE 1 + 5 + 7 MAY BE CALLED BY VEHICLE DETECTOR.
PHASE 2ND + 4TH MAY BE CALLED BY A PEDESTRIAN PUSHBUTTON ACTIVATION, OR VEHICLE DETECTOR.
THERE SHALL BE A STEADY "WALK" INDICATION FOLLOWED BY A FLASHING "DON'T WALK" PEDESTRIAN CLEARANCE INDICATION IN A PHASE CALLED BY A PEDESTRIAN PUSHBUTTON ACTIVATION.

EXISTING SIGNAL FACE PLAN

SCALE: 1" = 50'

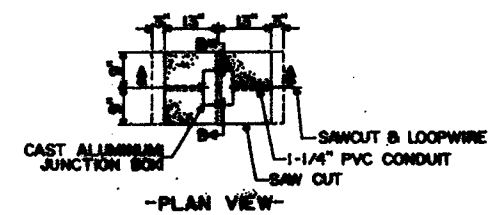


NYSDOT SUPPLIED EQUIPMENT		
ITEM	DESCRIPTION	UNIT QUANTITY
[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]

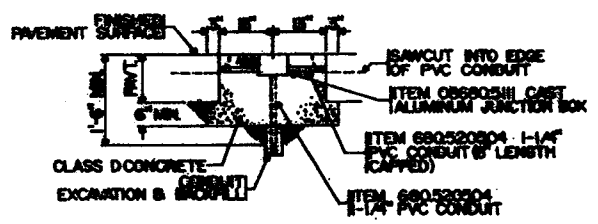
NEW DEPARTMENT OF TRANSPORTATION SUPPLIED EQUIPMENT

THE NYSDOT WILL SUPPLY THE FOLLOWING TRAFFIC SIGNAL EQUIPMENT TO BE INSTALLED BY THE CONTRACTOR AT THE INTERSECTION OF NORTH FRENCH ROAD AND MILLERSPORT HIGHWAY. THE EQUIPMENT SUPPLIED SHALL BE AS IT COME FROM THE MANUFACTURER. THE COST OF ALL LABOR, EQUIPMENT, AND MATERIALS NOT FURNISHED BY THE DEPARTMENT AND DELIVERY TO THE PROJECT SITE AND INSTALLING THE SUPPLIED EQUIPMENT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE PAID UNDER THE RESPECTIVE BID ITEMS.

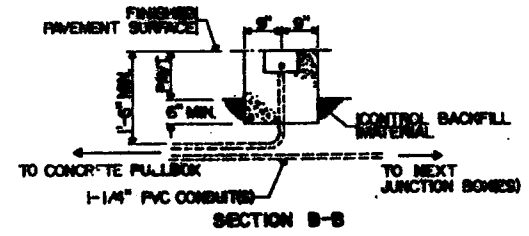
THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE SECURITY OF THE EQUIPMENT AFTER PICKED FROM THE DEPOT. ANY DAMAGE AFTER PICKUP SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.



-PLAN VIEW-



SECTION A-A



SECTION B-B

CAST ALUMINUM JUNCTION BOX ITEM 686903III DETAIL

NOT TO SCALE

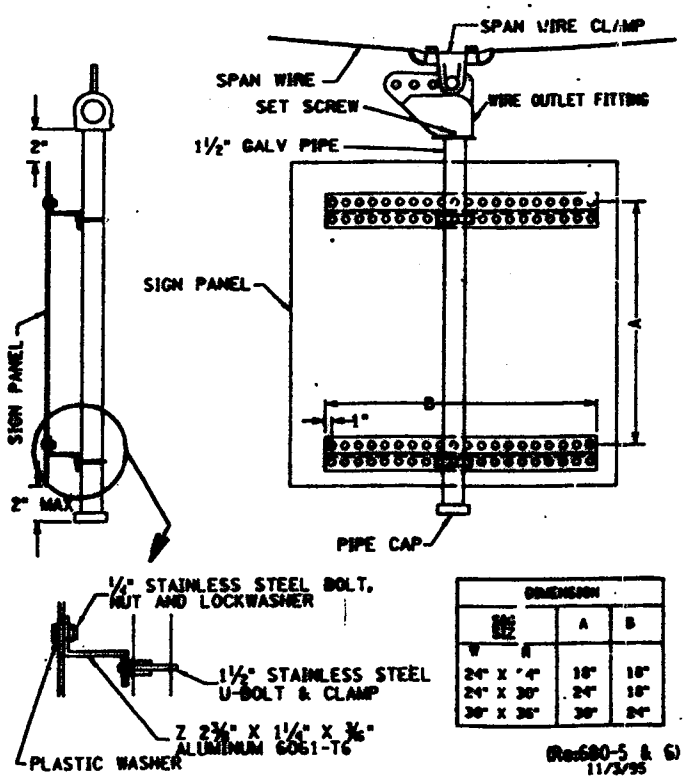
NOTES: CAST ALUMINUM JUNCTION BOX

1. THE JUNCTION BOX SHALL BE INSTALLED SO THAT IT IS FLUSH WITH THE FINISHED PAVEMENT SURFACE.
2. THE JUNCTION BOX IS TO BE SUPPORTED FROM ABOVE DURING THE INSTALLATION PROCESS. THE HOLE HOLES, LOCATED IN THE TOP OF THE BOX, MAY BE USED FOR THIS PURPOSE.
3. THE JUNCTION BOX IS TO BE KEPT CLEAN DURING AND AFTER SAW CUTTING.
4. FOR EXISTING PAVEMENTS NOT TO BE RESURFACED, THE EXCAVATION AREA FOR CONDUIT AND THE JUNCTION BOX SHALL BE BACKFILLED AS FOLLOWS:
   a. IN AREAS OF CONCRETE PAVEMENT, COMPLETELY FILL THE EXCAVATION AREA WITH CLASS 'D' CONCRETE.
   b. IN AREAS OF ASPHALT PAVEMENT, PARTIALLY FILL THE EXCAVATION AREA WITH CLASS 'D' CONCRETE AND PLACE WITH 3-1/2" ASPHALT - 1 1/2" TOP, 2" BINDER.
5. CLASS 'D' CONCRETE SHALL MEET THE REQUIREMENTS OF SECTION 501 - N.Y.S. STANDARD SPECIFICATIONS.
6. AREAS OF ASPHALT PAVEMENT WILL REQUIRE THE APPLICATION OF TACK COAT MEETING THE REQUIRED SPECIFICATION ITEM 702-50. APPLY TACK COAT TO THE TOP OF ANY CONCRETE EDGE AND EDGES OF EXCAVATION AREA.
7. ASPHALT PATCHING MATERIAL SHALL MEET THE REQUIREMENTS OF THE MATERIAL SPECIFICATION ITEM 401.1701 - ASPHALT CONCRETE.
8. ASPHALT SHALL BE COMPACTED USING A VIBRATORY ROLLER APPROVED BY THE ENGINEER.
9. ALL COST RELATED TO THE INSTALLATION OF THE JUNCTION BOX SHALL BE INCLUDED IN ITEM 686680.5111, INCLUDING EXCAVATION, CONCRETE FILL, ASPHALT PAVEMENT RESTORATION, AND TACK COAT.

REGION 5 ADDENDUM TO 680 SERIES STANDARD SHEETS

SIGN MOUNT ON SPAN WIRE

ITEM 680.0801



DIMENSION			
W	H	A	B
24"	4"	18"	18"
24"	30"	24"	18"
30"	30"	30"	24"

(Re:680-5 & 6) 11/3/95

SIGNAL OPERATION SPECIFICATIONS
TABLE OF SWITCH PACKS

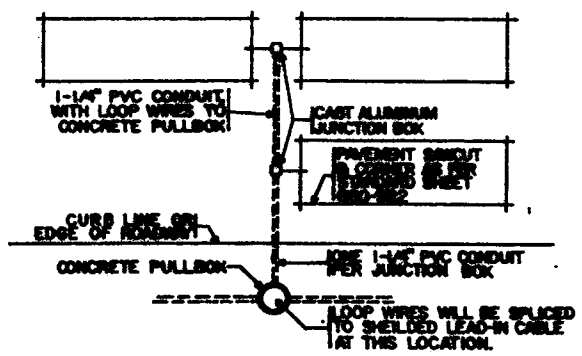
SIGNAL NO. 580 TOWN: AMHERST COUNTY: ERIE

SWITCH PACK	FUNCTION	PHASE NO.S	INDICATIONS	TERMINAL & FACILITY	WIRING BOARD WIRE COLOR CODE
SP 1	PHASE 1	1	<-Y- <-G- GRND WIRE	SP 16 SP 17 SP 18 GRND BUS	14/18C-1-BL 14/18C-1-BL/W 14/18C-1-WH
SP 2	PHASE 6	1,2	R Y G GRND WIRE	SP 24 SP 25 SP 26 GRND BUS	14/18C-1-R 14/18C-1-O 14/18C-1-A 14/18C-1-W
SP 3	PHASE 2	3,4	R Y G GRND WIRE	SP 27 SP 28 SP 29 GRND BUS	14/18C-2-R 14/18C-2-O 14/18C-2-A 14/18C-2-W
SP 4	PHASE 7	7	<-Y- <-G- GRND WIRE	SP 47 SP 48 SP 49 GRND BUS	14/18C-1-R 14/18C-1-BL/W 14/18C-1-WH
SP 5	PHASE 8	5,6	R Y G GRND WIRE	SP 50 SP 51 SP 52 GRND BUS	14/18C-2-R 14/18C-2-OR 14/18C-2-BL 14/18C-2-WH
SP 6	PHASE 4	7,8	R Y G GRND WIRE	SP 53 SP 54 SP 55 GRND BUS	14/18C-1-R 14/18C-1-OR 14/18C-1-BL 14/18C-1-WH
SP 7			GRND WIRE	SP 70 SP 71 SP 72 GRND BUS	
SP 8			GRND WIRE	SP 56 SP 57 SP 58 GRND BUS	
SP 9			GRND WIRE	SP 59 SP 60 SP 61 GRND BUS	
SP 10	PHASE 5	5	<-Y- <-G- GRND WIRE	SP 62 SP 63 SP 64 GRND BUS	14/18C-2-BL 14/18C-2-BL/W 14/18C-2-WH
SP 11	PED. A P.H. 2	WA	DON'T WALK WALK GRND WIRE	SP 11R SP 11Y SP 11G GRND BUS	14/18C-1_P-R 14/18C-1_P-G 14/18C-1_P-W
SP 12	PED. B P.H. 6	WB	DON'T WALK WALK GRND WIRE	SP 12R SP 12Y SP 12G GRND BUS	14/18C-2_P-R 14/18C-2_P-G 14/18C-2_P-W
SP 13	PED. A P.H. 4	WC	DON'T WALK WALK GRND WIRE	SP 13R SP 13Y SP 13G GRND BUS	14/18C-3_P-R 14/18C-3_P-G 14/18C-3_P-W
SP 14	PED. B P.H. 8	WD	DON'T WALK WALK GRND WIRE	SP 14R SP 34Y SP 14G GRND BUS	14/18C-4_P-R 14/18C-4_P-G 14/18C-4_P-W

SIGNAL POLE AT MILLERSPORT HIGHWAY AND NORTH FRENCH ROAD

POLE DATA TABLE

ITEM NUMBER	POLE LOCATION (QUADRANT)	QUANTITY	DWG NO.	SPAN DESIGN LOAD (LBS.)	MSL SAG PER LENGTH OF SPAN	LENGTH OF SPAN OR ARM (FT.)	SPAN POINT OF ATTACHMENT FROM POLE BASE (FT.)	MOMENT AT GROUND (FT. KIPS)	FOUND. CODE (FT. DIAM.)	PAY QUANT.
680.0801	NE, SW, SE, NW	8	AP-1	–	–	–	–	–	8'-0"	1.0



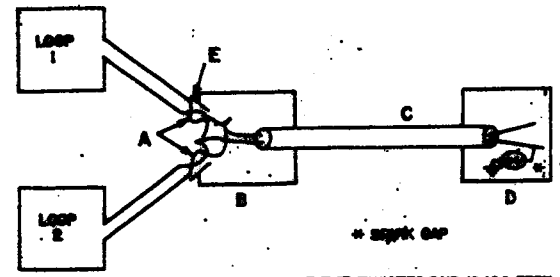
NOTES:
1. REFER TO INSTALLATION DETAILS FOR CAST ALUMINUM JUNCTION BOX.
2. LOOP SIZES ARE SHOWN IN THE DETECTOR DATA TABLE.

LOOP DETECTOR INSTALLATION DETAIL

NOT TO SCALE

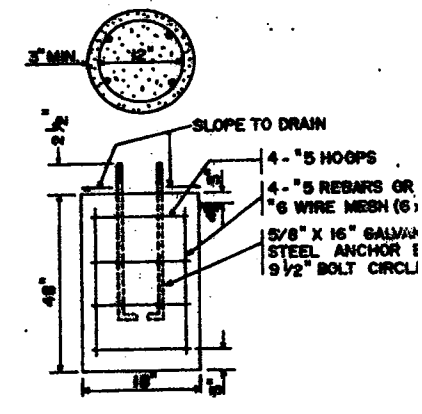
DETECTOR WIRING PARALLEL

(NOT TO SCALE)



NOTE: THE TOTAL COMBINED LENGTH OF THE TWISTED PAIR IS 100 FEET MAX

TWO ROAD LOOPS WHEN LOCATED ADJACENT TO EACH OTHER. THESE ENCAPSULATED LOOP AND LOOP LEAD-IN WIRES (TWISTED PAIR) ARE CONNECTED IN PARALLEL WITHIN THE CURBSIDE JUNCTION BOX AND THEN PROCEED THROUGH THE SHIELDED LEAD-IN CABLE WHICH IN TURN GOES TO THE TERMINAL BLOCK IN THE MAIN CABINET.
THE CONFIGURATION OF FIG.E MAY BE EXPANDED TO ACCOMMODATE ADDITIONAL LOOPS (UP TO 4) OF THE SAME PHASE.



PEDESTRIAN SIGNAL & PUSHBUTTON STATION FOUNDATION

(VOL. 0.3 CY)

(NOT TO SCALE)

PLAN UPDATES

CROSSPOINT BUSINESS PARK

DETAILS & TABLES

TOWN OF AMHERST, NEW YORK

UNILAND DEVELOPMENT COMPANY
100 Corporate Parkway
Amherst, New York 14226

DRAWING NO.	SCALE	DATE	SHEET
TS-3	NONE	SEPT. '97	

IN CHARGE OF ____ DESIGNED BY ____ CHECKED BY ____ DRAFTED BY ____ CHECKED BY ____ ESTIMATED BY ____ DATE ____

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

Phase	1	2	3	4	5	6	7	8
Min Green (s)	3	10	3	6	3	10	3	6
Gap/Extension (s)	1.5	1.3	1.5	1.3	1.5	1.3	1.5	1.3
Max Green Time (s)	25	40	20	30	25	40	20	30
Yellow Clearance	5	5	3.9	3.9	5	5	3.9	3.9
Red Clearance	1.3	1.4	1.8	1.8	1.4	1.3	1.8	1.8

NYSDOT TRAFFIC SIGNAL #614 (ERIE)
ROUTE 263 (MILLERSPORT HIGHWAY) AT HOPKINS ROAD

PROJECT MANAGER ROBERT SCHALLER
CHECK BRIAN DANKERT
DRAFTING KEITH GORECKI
DESIGN KEITH GORECKI
JOB MANAGER ROBERT AMBROSE
SIGN SUPERVISOR ROBERT SCHALLER
QUALITY CHECK BRIAN DANKERT

FEE
M159
P188

680.05040004

680.510301
PB#2

206.03060005
680.520508 (2)
680.730514 (2)
680.730714
(80FT)

206.03060005
680.520508 (2)
680.730514 (2)
680.730714
(9FT)

POLE #2
680.5001
(FOUNDATION CODE 8)
680.622049
680.730514 (2)
680.730714

HOPKINS ROAD

206.03060005
680.520508 (2)
(94FT - EMPTY CONDUIT)

680.510301
PB#3

206.03060005
680.520508 (2)
680.730514 (2)
680.730714
(12FT)

POLE #3
680.05020007
680.5001
(FOUNDATION CODE 8)
680.622045
680.730514 (2)
680.730714

1932 HWY. BDY.

Ø1 Ø2 Ø3 Ø4 Ø5 Ø6 Ø7 Ø8

ROUTE 263 (MILLERSPORT HIGHWAY)

ONLY

POLE #4
662.60000108
680.05010007
680.5001
(FOUNDATION CODE 7)
680.622036
680.700603
680.730514 (2)
680.730714
680.94997008
680.95010615 (4)
680.95600004

680.510301
PB#1

206.03060005
680.520508 (3)
680.730514 (4)
680.730714 (2)
(23FT)

680.95010615 (4)
(101FT)

206.03060005
680.520506
680.520508 (2)
680.730514 (2)
680.730714
(14FT)

680.05040004

206.03060005
680.520105
680.95010615 (4)
(8FT)

ELECTRICAL PB
680.510201

GROUNDING PB
680.510201

M158
P187
FEE

206.03060005
680.520105
680.95010615 (4)
(6FT)

680.5002
680.80324515
680.80324708

206.03060005
680.520508 (3)
680.730514 (4)
680.730714 (2)
(9FT)

680.510301
PB#5

206.03060005
680.520508 (2)
680.730514 (4)
680.730714 (2)
(68FT)

POLE #1
680.5001
(FOUNDATION CODE 10)
680.622052
680.730514 (2)
680.730714

206.03060005
680.520508 (2)
680.730514 (2)
680.730714
(87FT)

206.03060005
680.520508 (2)
680.730514 (2)
680.730714
(8FT)

680.510301
PB#4

NOTE: PROPOSED PULLBOXES SHALL HAVE A SOLID CONCRETE BOTTOM.

10 0 10 20 30 40′
1" = 20′

AFFIX SEAL: BRIAN C. DANKERT, P.E.
ON: 17-AUG-2023 07:12

ALTERED BY:
ON:

STATE OF NEW YORK
BRIAN C. DANKERT
LICENSED PROFESSIONAL ENGINEER
No. 092443

AS-BUILT REVISIONS
DESCRIPTION OF ALTERATIONS:

INTERSECTION IMPROVEMENT PROJECT SH 1949, NY RTE 263 - MILLERSPORT HWY AT HOPKINS RD TOWN OF AMHERST COUNTY: ERIE REGION: 05	PIN 5568.15 UTILITY QUALITY LEVEL D	BRIDGES	CULVERTS	ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED TRAFFIC SIGNAL #614 (ERIE) PLAN	CONTRACT NUMBER D265123 DRAWING NO. TSP-1 SHEET NO. 62

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR

NEW YORK STATE OF | Department of Transportation

PASSERO
engineering architecture

3750 Millersport Hwy Parking Expansion, Town of Amherst, NY

Documentation of Ambient Traffic Volume Growth

Roadway	Segment starts at	Segment end at	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	Annual Growth
NY-263	N French Rd	I-990		7,905	8,169			7,022			7,320		-1.81%
N French Rd	Millersport Hwy	Hopkins Rd		17,742				18,817			18,960		0.95%
N French Rd	I-990	Millersport Hwy		20,611								23,654	1.74%
NY-263	Dodge Rd	French Rd	9,762			10,225	9,900		9,619		9,080		-2.35%
Hopkins Rd	N French Rd	Millersport Hwy			2,840			3,213			3,784		5.60%
Hopkins Rd	Millersport Hwy	Schoelles Rd			940						1,114		2.87%
NY-263	I-990	Transit Rd		21,085			21,812			22,592			1.16%
												AVERAGE	**1.17%**

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

Intersection Crash Rate Calculations
3750 Millersport Parking Lot Expansion

Intersection #1: N French Rd at Crosspoint Pkwy

Number of Crashes: 9
Number of Injuries: 3
Number of Fatalities: 0

Start Date: January 31, 2019
End Date: December 31, 2023
Number of Years: 5

Intersection Type: 3 Legged
Area Type: Urban
Control Type: Signal w/ Left Turn 5 or More Lanes

	Direction					
Type	Northbound	Southbound	Eastbound	Westbound	Unknown	Totals
Left turn						0
Rear-end		1	3	2		6
Overtaking						0
Right Angle				1		1
Right Turn						0
Head On						0
Side-swipe			1	1		2
Fixed Object						0
Backing						0
Other						0
Bike/Ped						0
Animal						0
Totals	0	1	4	4	0	9

PDO	6
Injury	3
Injury + PDO	
Fatal	
NR	
Total	9

Intersection Crash Rate Calculations
3750 Millersport Parking Lot Expansion

Intersection #2: N French Rd at Millersport Hwy

Number of Crashes: 11
Number of Injuries: 8
Number of Fatalities: 0

Start Date: January 31, 2019
End Date: December 31, 2023
Number of Years: 5

Intersection Type: 4 Legged
Area Type: Urban
Control Type: Signal w/ Left Turn 5 or More Lanes

	Direction					
Type	Northbound	Southbound	Eastbound	Westbound	Unknown	Totals
Left turn			1			1
Rear-end		1	1			2
Overtaking						0
Right Angle		2	4		1	7
Right Turn						0
Head On						0
Side-swipe						0
Fixed Object						0
Backing						0
Other						0
Bike/Ped						0
Animal				1		1
Totals	0	3	6	1	1	11

PDO	3
Injury	8
Injury + PDO	
Fatal	
NR	
Total	11

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

Intersection Crash Rate Calculations
3750 Millersport Parking Lot Expansion

Intersection #3: Millersport Hwy at Crosspoint Pkwy

Number of Crashes: 4
Number of Injuries: 0
Number of Fatalities: 0

ADT: 0
Start Date: January 31, 2019
End Date: December 31, 2023
Number of Years: 5

Intersection Type: 3 Legged
Area Type: Urban
Control Type: Signal 1-4 Lanes

	Direction					
Type	Northbound	Southbound	Eastbound	Westbound	Unknown	Totals
Left turn						0
Rear-end						0
Overtaking						0
Right Angle						0
Right Turn			1			1
Head On						0
Side-swipe						0
Fixed Object	1					1
Backing						0
Other						0
Bike/Ped						0
Animal	2					2
Totals	3	0	1	0	0	4

PDO	4
Injury	
Injury + PDO	
Fatal	
NR	
Total	4

Intersection Crash Rate Calculations
3750 Millersport Parking Lot Expansion

Intersection #4: Millersport Hwy at Hopkins Rd

Number of Crashes: 0
Number of Injuries: 0
Number of Fatalities: 0

Start Date: January 31, 2019
End Date: December 31, 2023
Number of Years: 5

Intersection Type: 4 Legged
Area Type: Urban
Control Type: Sign 1-3 Lanes

	Direction					
Type	Northbound	Southbound	Eastbound	Westbound	Unknown	Totals
Left turn						0
Rear-end						0
Overtaking						0
Right Angle						0
Right Turn						0
Head On						0
Side-swipe						0
Fixed Object						0
Backing						0
Other						0
Bike/Ped						0
Animal						0
Totals	0	0	0	0	0	0

PDO	
Injury	
Injury + PDO	
Fatal	
NR	
Total	0

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

Intersection Crash Rate Calculations
3750 Millersport Parking Lot Expansion

Intersection #5: Millersport Hwy at I-990 Exit Ramp

Number of Crashes: 17
Number of Injuries: 6
Number of Fatalities: 0

Start Date: January 31, 2019
End Date: December 31, 2023
Number of Years: 5

Intersection Type: 3 Legged
Area Type: Urban
Control Type: Signal 1-4 Lanes

	Direction					
Type	Northbound	Southbound	Eastbound	Westbound	Unknown	Totals
Left turn						0
Rear-end	3	2	4			9
Overtaking						0
Right Angle		1				1
Right Turn						0
Head On						0
Side-swipe			3			3
Fixed Object			3			3
Backing						0
Other						0
Bike/Ped						0
Animal		1				1
Totals	3	4	10	0	0	17

PDO	11
Injury	6
Injury + PDO	
Fatal	
NR	
Total	17

Intersection Crash Rate Calculations
3750 Millersport Parking Lot Expansion

Intersection #6: Millersport Hwy at I-990 Entrance Ramp

Number of Crashes: 8
Number of Injuries: 4
Number of Fatalities: 0

Start Date: January 31, 2019
End Date: December 31, 2023
Number of Years: 5

Intersection Type: 3 Legged
Area Type: Urban
Control Type: Sign 1-3 Lanes

	Direction					
Type	Northbound	Southbound	Eastbound	Westbound	Unknown	Totals
Left turn	1					1
Rear-end		1				1
Overtaking						0
Right Angle						0
Right Turn						0
Head On						0
Side-swipe	1	1				2
Fixed Object	2	1				3
Backing						0
Other						0
Bike/Ped						0
Animal		1				1
Totals	4	4	0	0	0	8

PDO	4
Injury	4
Injury + PDO	
Fatal	
NR	
Total	8

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

Intersection Crash Rate Calculations

3750 Millersport Parking Lot Expansion

Intersection #7: Crosspoint Pkwy at Existing East Site Dwy

Number of Crashes: 0
Number of Injuries: 0
Number of Fatalities: 0

Start Date: January 31, 2019
End Date: December 31, 2023
Number of Years: 5

Intersection Type: 3 Legged
Area Type: Urban
Control Type: Sign 1-3 Lanes

	Direction					
Type	Northbound	Southbound	Eastbound	Westbound	Unknown	Totals
Left turn						0
Rear-end						0
Overtaking						0
Right Angle						0
Right Turn						0
Head On						0
Side-swipe						0
Fixed Object						0
Backing						0
Other						0
Bike/Ped						0
Animal						0
Totals	0	0	0	0	0	0

PDO	
Injury	
Injury + PDO	
Fatal	
NR	
Total	0

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

Safety Performance Function (SPF) Parameters for Intersections, Ramps, and Segments

The table below is a list of the parameters used by CLEAR Safety to calculate SPFs for each facility type. There is more information in NYSDOT's "HSIP Procedures and Techniques" (also called 'The Red Book').

NOTES: TT (‡) = Major Road is Two-Way, Minor Road is Two-Way • TO (‡) = Major Road is Two-Way, Minor Road is One-Way • OT (‡) = Major Road is One-Way, Minor Road is Two-Way • OO (‡) = Major Road is One-Way, Minor Road is One-Way

	Screen Type	Facility Type	Description	Area Type	Directional / Bidirectional	Number of Lanes	Median Type	Access	Major Road Operation	Minor Road Operation	Number of Approaches	Traffic Control	Ramp Type (Entrance / Exit)	Year	Severity	Long-Term Calibration Factor (CA)	Long-Term Functional Form Adjustment Factor (CB)	Constant (BC)	Coefficient for Major Road AADT (B1)	Coefficient for Minor Road AADT (B2; intersections only)	Coefficient for Hoerl Functional Form (B2; segments and ramps only)	Coefficient for Segment Length (BL)	Overdispersion parameter A (D1)	Overdispersion parameter B (D2)	Overdispersion parameter C (D3)	AADT Presence (2 = major and minor; 1 = major only; 0 = not available)
Millersport at I-990 Exit	Int	22	Urban 3-Leg Signalized	Urban	N/A	N/A	N/A	N/A	All	All	3	Signal	N/A	*	Total Crashes	1.0000	1.0000	-8.6580	0.7010	0.3560	0.0000	0	0.5200	0.0000	0.0000	2
Millersport at I-990 Exit	Int	22	Urban 3-Leg Signalized	Urban	N/A	N/A	N/A	N/A	All	All	3	Signal	N/A	*	Fatal and Injury Crashes	1.0000	1.0000	-9.4900	0.7000	0.3230	0.0000	0	0.4795	0.0000	0.0000	2
N French at Crosspoint	Int	109	Urban 3-Leg Signalized TT(‡)	Urban	N/A	N/A	N/A	N/A	2-way	2-way	3	Signal	N/A	*	Total Crashes	1.0000	1.0000	-8.6580	0.7010	0.3560	0.0000	0	0.5200	0.0000	0.0000	2
Millersport at Crosspoint	Int	109	Urban 3-Leg Signalized TT(‡)	Urban	N/A	N/A	N/A	N/A	2-way	2-way	3	Signal	N/A	*	Total Crashes	1.0000	1.0000	-8.6580	0.7010	0.3560	0.0000	0	0.5200	0.0000	0.0000	2
N French at Crosspoint	Int	109	Urban 3-Leg Signalized TT(‡)	Urban	N/A	N/A	N/A	N/A	2-way	2-way	3	Signal	N/A	*	Fatal and Injury Crashes	1.0000	1.0000	-9.4900	0.7000	0.3230	0.0000	0	0.4795	0.0000	0.0000	2
Millersport at Crosspoint	Int	109	Urban 3-Leg Signalized TT(‡)	Urban	N/A	N/A	N/A	N/A	2-way	2-way	3	Signal	N/A	*	Fatal and Injury Crashes	1.0000	1.0000	-9.4900	0.7000	0.3230	0.0000	0	0.4795	0.0000	0.0000	2
Millersport at I-990 Entrance	Int	86	Urban 3-Leg Two-Way Stop-Controlled TT(‡)	Urban	N/A	N/A	N/A	N/A	2-way	2-way	3	Minor Road Stop	N/A	*	Total Crashes	1.0000	1.0000	-8.1720	0.5760	0.3920	0.0000	0	0.6603	0.0000	0.0000	2
Millersport at I-990 Entrance	Int	86	Urban 3-Leg Two-Way Stop-Controlled TT(‡)	Urban	N/A	N/A	N/A	N/A	2-way	2-way	3	Minor Road Stop	N/A	*	Fatal and Injury Crashes	1.0000	1.0000	-11.4600	0.7760	0.4190	0.0000	0	0.8090	0.0000	0.0000	2
N French at Millersport	Int	111	Urban 4-Leg Signalized TT(‡)	Urban	N/A	N/A	N/A	N/A	2-way	2-way	4	Signal	N/A	*	Total Crashes	1.0000	1.0000	-7.6010	0.5390	0.4510	0.0000	0	0.3900	0.0000	0.0000	2
N French at Millersport	Int	111	Urban 4-Leg Signalized TT(‡)	Urban	N/A	N/A	N/A	N/A	2-way	2-way	4	Signal	N/A	*	Fatal and Injury Crashes	1.0000	1.0000	-8.8040	0.5690	0.4550	0.0000	0	0.3400	0.0000	0.0000	2
Millersport at Hopkins	Int	88	Urban 4-Leg Two-Way Stop-Controlled TT(‡)	Urban	N/A	N/A	N/A	N/A	2-way	2-way	4	Minor Road Stop	N/A	*	Total Crashes	1.0000	1.0000	-7.1220	0.4840	0.4290	0.0000	0	0.5904	0.0000	0.0000	2
Millersport at Hopkins	Int	88	Urban 4-Leg Two-Way Stop-Controlled TT(‡)	Urban	N/A	N/A	N/A	N/A	2-way	2-way	4	Minor Road Stop	N/A	*	Fatal and Injury Crashes	1.0000	1.0000	-8.6370	0.5060	0.4730	0.0000	0	0.8496	0.0000	0.0000	2
Crosspoint at Exist Dwy	Int	86	Urban 3-Leg Two-Way Stop-Controlled TT(‡)	Urban	N/A	N/A	N/A	N/A	2-way	2-way	3	Minor Road Stop	N/A	*	Total Crashes	1.0000	1.0000	-8.1720	0.5760	0.3920	0.0000	0	0.6603	0.0000	0.0000	2
Crosspoint at Exist Dwy	Int	86	Urban 3-Leg Two-Way Stop-Controlled TT(‡)	Urban	N/A	N/A	N/A	N/A	2-way	2-way	3	Minor Road Stop	N/A	*	Fatal and Injury Crashes	1.0000	1.0000	-11.4600	0.7760	0.4190	0.0000	0	0.8090	0.0000	0.0000	2

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

For intersections: SPF = CA * (MajorAADT^B1 * MinorAADT^B2 * exp(BC))^CBDispersion parameter = D1

For segments and ramps: SPF = CA * (AADT^B1 * Length^BL * exp(BC+B2*AADT))^CBDispersion parameter = D1 * Length^D2 * exp(D3)

Major Road AADT (veh/day)	Minor Road AADT (veh/day)	Segment Length (miles)	SPF Prediction (crashes/year)	Dispersion Parameter	Observed Crashes (over study period)	Study Period (years)	Predicted Crashes (over study period)	EB weight (w)	Expected Crashes (over study period)	Expected Crashes (crashes/year)	Excess Expected Crashes (crashes/year)	1.5 Sigma	LOSS 1/2	LOSS 3/4	Basic LOSS	Alpha	Beta	10th	90th	Advanced LOSS
7958	14821	N/A	2.8786	0.5200	17	5	14.3928	0.1179	16.6927	3.3385	0.4600	3.1136	-0.2351	5.9922	3	1.9231	1.4968	0.7371	5.6504	3
7958	14821	N/A	0.9043	0.4795	6	5	4.5214	0.3157	5.5333	1.1067	0.2024	0.9393	-0.0350	1.8435	3	2.0855	0.4336	0.2500	1.7415	3
17705	4737	N/A	3.3595	0.5200	9	5	16.7974	0.1027	9.8010	1.9602	-1.3993	3.6338	-0.2744	6.9933	2	1.9231	1.7469	0.8602	6.5945	2
7105	3095	N/A	1.5223	0.5200	4	5	7.6115	0.2017	4.7284	0.9457	-0.5766	1.6466	-0.1243	3.1689	2	1.9231	0.7916	0.3898	2.9882	2
17705	4737	N/A	1.0950	0.4795	3	5	5.4748	0.2758	3.6827	0.7365	-0.3584	1.1373	-0.0424	2.2323	2	2.0855	0.5250	0.3027	2.1088	2
7105	3095	N/A	0.5036	0.4795	0	5	2.5182	0.4530	1.1408	0.2282	-0.2755	0.5231	-0.0195	1.0268	2	2.0855	0.2415	0.1392	0.9700	2
30547	13705	N/A	4.5284	0.6603	8	5	22.6420	0.0627	8.9179	1.7836	-2.7448	5.5197	-0.9914	10.0481	2	1.5144	2.9903	0.8925	9.4143	2
30547	13705	N/A	1.7245	0.8090	4	5	8.6227	0.1254	4.5796	0.9159	-0.8086	2.3266	-0.6021	4.0512	2	1.2361	1.3951	0.2584	3.7684	2
15863	6421	N/A	4.7881	0.3900	11	5	23.9406	0.0967	12.2519	2.4504	-2.3377	4.4853	0.3028	9.2734	2	2.5641	1.8674	1.5724	8.7946	2
15863	6421	N/A	1.9904	0.3400	8	5	9.9522	0.2281	8.4453	1.6891	-0.3014	1.7409	0.2495	3.7314	2	2.9412	0.6768	0.7215	3.5465	2
7947	2316	N/A	1.7303	0.5904	0	5	8.6516	0.1637	1.4165	0.2833	-1.4470	1.9943	-0.2639	3.7246	2	1.6938	1.0215	0.3883	3.5010	2
7947	2316	N/A	0.6517	0.8496	0	5	3.2583	0.2654	0.8647	0.1729	-0.4787	0.9010	-0.2493	1.5527	2	1.1770	0.5536	0.0906	1.4413	2
4663	2453	N/A	0.7814	0.6603	0	5	3.9069	0.2793	1.0913	0.2183	-0.5631	0.9524	-0.1711	1.7338	2	1.5144	0.5160	0.1540	1.6244	2
4663	2453	N/A	0.1951	0.8090	0	5	0.9753	0.5590	0.5452	0.1090	-0.0860	0.2632	-0.0681	0.4582	2	1.2361	0.1578	0.0292	0.4262	2

PASSERO engineering architecture

PROJECT: 3750 Millersport Hwy Parking Expansion
LOCATION: Town of Amherst, New York
PEAK HOUR: AM Peak

Figure Number:		3	4			5					6	7
			Num of yrs									
			1									
LOCATION NUMBER	INTERSECTION DESCRIPTION	2024 Existing	2025 Bkgd Vol 1.50%	50 Crosspoint Pkwy	3315 Millersport Hwy	2025 Background Volumes	Parking Lot Expansion Enter Dist. %	Exit Dist. %	Trips IN 173	Trips OUT 24	Total Site Trips	Full Build Volumes
1	N French Rd/ Crosspoint Pkwy											
	SR	60	61	33		94		15%		4	4	98
	ST											
	SL	30	30	23	1	54						54
	WR	105	107	7	2	116						116
	WT	554	562		18	580		5%		1	1	581
	WL											
	NR											
	NT											
	NL											
	ER											
	ET	657	667		5	672	5%		9		9	681
	EL	410	416	11		427	15%		26		26	453
2	N French Rd/ Millersport Hwy											
	SR	20	20			20		5%		1	1	21
	ST	178	181			181		10%		2	2	183
	SL	13	13		1	14		7%		2	2	16
	WR	35	36		2	38	14%		24		24	62
	WT	593	602	6	7	615						615
	WL	154	156			156						156
	NR	57	58		2	60						60
	NT	136	138		1	139	10%		17		17	156
	NL	38	39	1	13	53						53
	ER	23	23	1	4	28						28
	ET	584	593	20	2	615						615
	EL	77	78	2		80	5%		9		9	89
3	Millersport Hwy/ Crosspoint Pkwy											
	SR	255	259			259	56%		97		97	356
	ST	192	195		1	196						196
	SL											
	WR											
	WT											
	WL											
	NR											
	NT	91	92	2	2	96						96
	NL	137	139		1	140	29%		50		50	190
	ER	25	25			25		22%		5	5	30
	ET											
	EL	26	26			26		63%		15	15	41
4	Millersport Hwy/ Hopkins Rd											
	SR	28	28			28	1%		2		2	30
	ST	15	15			15						15
	SL	1	1			1						1
	WR	2	2			2						2
	WT	385	391		1	392	48%		83		83	475
	WL	121	123			123						123
	NR	63	64			64						64
	NT	7	7			7						7
	NL	36	37			37	7%		12		12	49
	ER	8	8			8		14%		3	3	11
	ET	100	101	2	2	105		48%		12	12	117
	EL	5	5			5		1%		0	0	5

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

PASSERO engineering architecture

PROJECT: 3750 Millersport Hwy Parking Expansion
LOCATION: Town of Amherst, New York
PEAK HOUR: AM Peak

Figure Number: 3 | 4 | 5 | 6 | 7

Num of yrs: 1

LOCATION NUMBER	INTERSECTION DESCRIPTION	2024 Existing	2025 Bkgd Vol (1.50%)	50 Crosspoint Pkwy	3315 Millersport Hwy	2025 Background Volumes	Parking Lot Expansion				Total Site Trips	Full Build Volumes
							Enter Dist. %	Exit Dist. %	Trips IN 173	Trips OUT 24		
5	Millersport Hwy/ I-990 Exit Ramp											
	SR											
	ST	420	426		1	427	20%		35		35	462
	SL											
	WR											
	WT											
	WL											
	NR											
	NT	166	168	2	2	172		48%		12	12	184
	NL											
	ER	89	90			90	28%		48		48	138
	ET											
	EL	525	533			533						533
6	Millersport Hwy/ I-990 Entrance Ramp											
	SR	1272	1291			1291						1291
	ST	429	435		1	436	20%		35		35	471
	SL											
	WR											
	WT											
	WL											
	NR											
	NT	670	680	2	2	684		20%		5	5	689
	NL	30	30			30		28%		7	7	37
	ER											
	ET											
	EL											
7	Crosspoint Pkwy/ Existing Driveway											
	SR							15%		4	4	4
	ST											
	SL	5	5			5		85%		20	20	25
	WR	194	197			197	85%		147		147	344
	WT	198	201		1	202						202
	WL											
	NR											
	NT											
	NL											
	ER											
	ET	46	47			47						47
	EL	34	35			35	15%		26		26	61

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

PASSERO engineering architecture

PROJECT: 3750 Millersport Hwy Parking Expansion
LOCATION: Town of Amherst, New York
PEAK HOUR: PM Peak

Figure Number:		3	4				5				6	7
			Num of yrs									
			1									
LOCATION NUMBER	INTERSECTION DESCRIPTION	2024 Existing	2025 Bkgd Vol	50 Crosspoint Pkwy	3315 Millersport Hwy	2025 Background Volumes	Parking Lot Expansion				Total Site Trips	Full Bu Volum
			1.50%				Enter Dist. %	Exit Dist. %	Trips IN 31	Trips OUT 151		
1	N French Rd/ Crosspoint Pkwy											
	SR	350	355	21		376		15%		23	23	399
	ST											
	SL	100	101	14	3	118						118
	WR	43	44	24	2	70						70
	WT	572	581		11	592		5%		8	8	600
	WL											
	NR											
	NT											
	NL											
	ER											
	ET	811	823		18	841	5%		2		2	843
	EL	91	92	35		127	15%		5		5	132
2	N French Rd/ Millersport Hwy											
	SR	42	43	2		45		5%		8	8	53
	ST	163	165		1	166		10%		15	15	181
	SL	17	17		1	18		7%		11	11	29
	WR	10	10		1	11	14%		4		4	15
	WT	545	553	21	5	579						579
	WL	60	61			61						61
	NR	109	111		2	113						113
	NT	255	259			259	10%		3		3	262
	NL	24	24	1	8	33						33
	ER	47	48	1	13	62						62
	ET	779	791	12	8	811						811
	EL	66	67	1		68	5%		2		2	70
3	Millersport Hwy/ Crosspoint Pkwy											
	SR	44	45			45	56%		17		17	62
	ST	142	144	2	2	148						148
	SL											
	WR											
	WT											
	WL											
	NR											
	NT	298	302	1	1	304						304
	NL	27	27			27	29%		9		9	36
	ER	92	93			93		22%		33	33	126
	ET											
	EL	202	205			205		63%		95	95	300
4	Millersport Hwy/ Hopkins Rd											
	SR	14	14			14	1%		0		0	14
	ST	23	23			23						23
	SL	1	1			1						1
	WR	7	7			7						7
	WT	160	162	2	2	166	48%		15		15	181
	WL	94	95			95						95
	NR	145	147			147						147
	NT	23	23			23						23
	NL	14	14			14	7%		2		2	16
	ER	80	81			81		14%		21	21	102
	ET	392	398	1	1	400		48%		72	72	472
	EL	22	22			22		1%		2	2	24

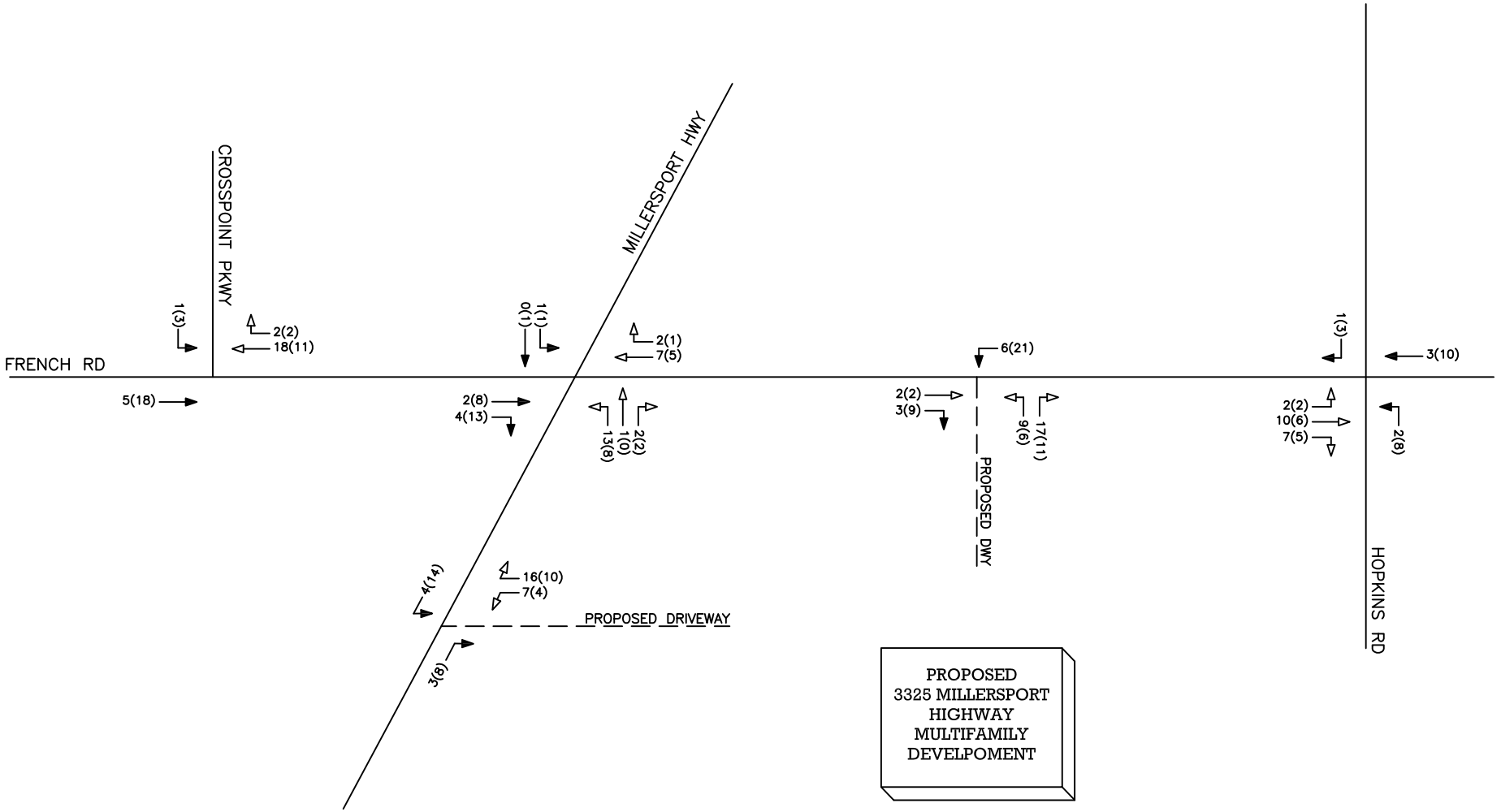
Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

PASSERO engineering architecture

PROJECT: 3750 Millersport Hwy Parking Expansion
LOCATION: Town of Amherst, New York
PEAK HOUR: PM Peak

Figure Number:		3	4				5				6	7
			Num of yrs									
			1									
LOCATION NUMBER	INTERSECTION DESCRIPTION	2024 Existing	2025 Bkgd Vol 1.50%	50 Crosspoint Pkwy	3315 Millersport Hwy	2025 Background Volumes	Parking Lot Expansion				Total Site Trips	Full Bu Volum
							Enter Dist. %	Exit Dist. %	Trips IN 31	Trips OUT 151		
5	Millersport Hwy/ I-990 Exit Ramp											
	SR											
	ST	212	215	2	2	219	20%		6		6	225
	SL											
	WR											
	WT											
	WL											
	NR											
	NT	544	552	1	1	554		48%		72	72	626
	NL											
	ER	48	49			49	28%		9		9	58
	ET											
	EL	1360	1380			1380						1380
6	Millersport Hwy/ I-990 Entrance Ramp											
	SR	802	814			814						814
	ST	192	195	2	2	199	20%		6		6	205
	SL											
	WR											
	WT											
	WL											
	NR											
	NT	1845	1873	1	1	1875		20%		30	30	1905
	NL	63	64			64		28%		42	42	106
	ER											
	ET											
	EL											
7	Crosspoint Pkwy/ Existing Driveway											
	SR	21	21			21		15%		23	23	44
	ST											
	SL	100	101			101		85%		128	128	229
	WR	30	30			30	85%		26		26	56
	WT	41	42			42						42
	WL											
	NR											
	NT											
	NL											
	ER											
	ET	194	197			197						197
	EL	4	4			4	15%		5		5	9

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)



SRF ASSOCIATES
Transportation Planning / Engineering / Design
www.srfa.net / (585) 272-4660

N
NOT TO SCALE

FIGURE 7

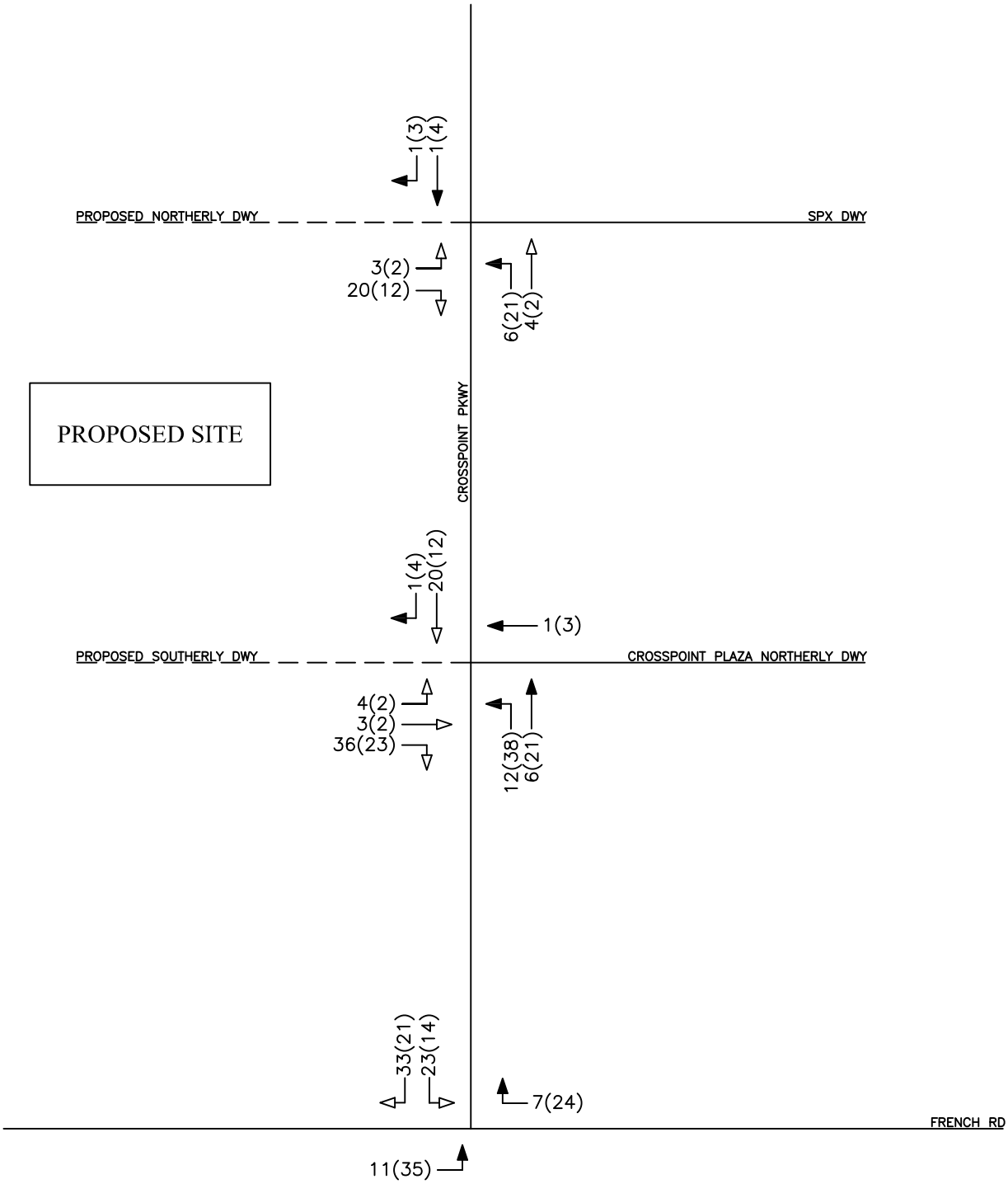
SITE GENERATED TRIPS

PROPOSED MULTIFAMILY DEVELOPMENT
TOWN OF AMHERST, NY

KEY

00(00) = AM(PM)
→ = ENTERING TRIPS
→ = EXITING TRIPS

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)



N
NOT TO SCAI

KEY	FIGURE 7	SRF ASSOCIATES
00(00) = AM(PM) ENTERING TRIPS → EXITING TRIPS →	SITE GENERATED TRIPS	Transportation Planning / Engineering / Design www.srfa.net / (58
PROJECT NO: 42057	PROPOSED 50 CROSSPOINT MULTI-FAMILY DEVELOPMENT TOWN OF AMHERST, NY	

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

DATA SOURCE:
Parking Generation Manual, 6th Ed

SEARCH BY LAND USE CODE:
710

LAND USE GROUP:
(700-799) Office

LAND USE:
710 - General Office Building

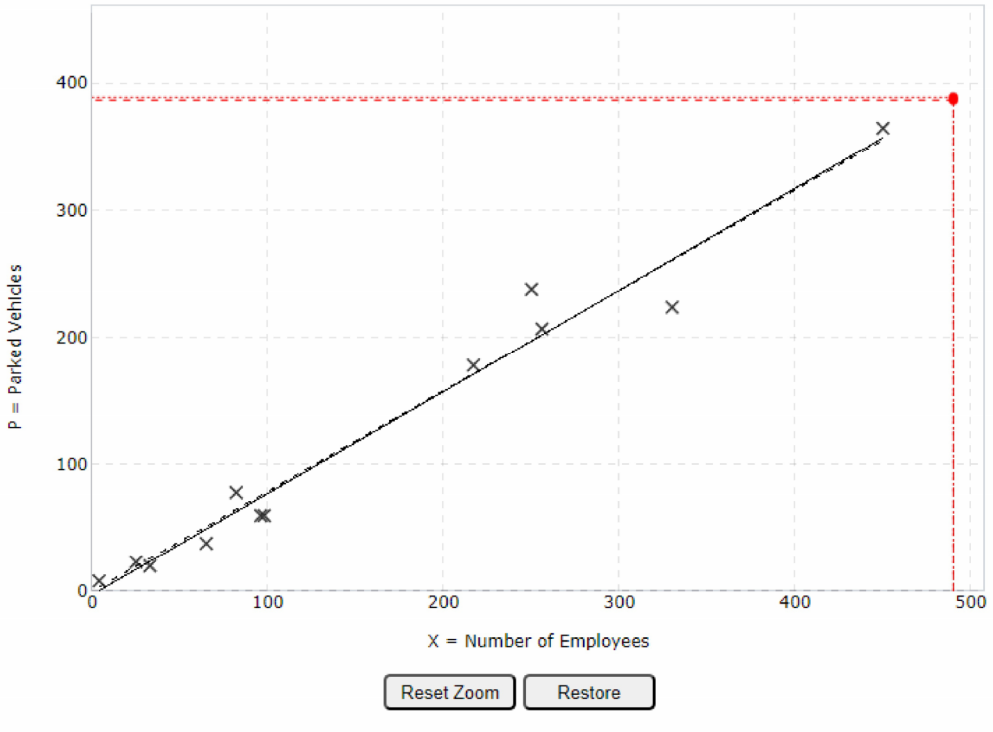
LAND USE SUBCATEGORY:
All Sites

SETTING/LOCATION:
General Urban/Suburban

INDEPENDENT VARIABLE (IV):
Employees

TIME PERIOD:
Weekday (Monday - Friday)

ENTER IV VALUE TO CALCULATE PARKING DEMAND:
490 Calculate
Data Range: 4.00 - 450.00



Use the mouse wheel to Zoom Out or Zoom In.
Hover the mouse pointer on data points to view X and P values.

Land Use:
General Office Building (710) Click for Description and Data Plots

Independent Variable:
Employees

Time Period:
Weekday (Monday - Friday)

Setting/Location:
General Urban/Suburban

Number of Studies:
12

Avg. Num. of Employees:
159

Average Rate:
0.79

Range of Rates:
0.58 - 2.00

33rd / 85th Percentile:
0.64 / 1.00

95% Confidence Interval:
***

Standard Deviation:
0.13

Coefficient of Variation:
16%

Fitted Curve Equation:
P = 0.80(X) - 2.70

R^2:
0.97

Calculated Parking Demand:
Weighted Average: 387
Fitted Curve: 389
85th Percentile: 490

PROJECT DETAILS

Project Name:	3750 Millersport Hwy Parking Lot Expansion	Type of Project:	
Project No:		City:	
Country:		Built-up Area(Sq.ft):	
Analyst Name:	Amy Dake	Clients Name:	
Date:	9/11/2024	ZIP/Postal Code:	
State/Province:		No. of Scenarios:	2
Analysis Region:			

SCENARIO SUMMARY

Scenarios	Name	No. of Land Uses	Phases of Development	No. of Years to Project Traffic	User Group	Estimated New Vehicle Trips		
						Entry	Exit	Total
Scenario - 1	AM Peak	1	1	0		225	31	256
Scenario - 2	PM Peak	1	1	0		41	198	239

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

Scenario - 1

Scenario Name: AM Peak
User Group:
Dev. phase: 1
No. of Years to Project Traffic : 0
Analyst Note:
Warning:

VEHICLE TRIPS BEFORE REDUCTION

Land Use & Data Source	Location	IV	Size	Time Period	Method Rate/Equation	Entry Split%	Exit Split%	Total
710 - General Office Building	General Urban/Suburban	Employees	490	Weekday, Peak Hour of Adjacent Street Traffic,	Best Fit (LIN)	225	31	256
Data Source: Trip Generation Manual, 11th Ed					T = 0.39(X) + 64.22	88%	12%	

VEHICLE TO PERSON TRIP CONVERSION

BASELINE SITE VEHICLE CHARACTERISTICS:

Land Use	Baseline Site Vehicle Mode Share		Baseline Site Vehicle Occupancy		Baseline Site Vehicle Directional Split	
	Entry (%)	Exit (%)	Entry	Exit	Entry (%)	Exit (%)
710 - General Office Building	100	100	1.1	1.1	88	12

ESTIMATED BASELINE SITE PERSON TRIPS:

Land Use	Person Trips by Vehicle		Person Trips by Other Modes		Total Baseline Site Person Trips	
	Entry	Exit	Entry	Exit	Entry	Exit
710 - General Office Building	247	34	0	0	247	34
	281		0		281	

NEW VEHICLE TRIPS

Land Use	New Vehicle Trips		
	Entry	Exit	Total
710 - General Office Building	225	31	256

RESULTS

Site Totals	Entry	Exit	Total
Vehicle Trips Before Reduction	225	31	256
External Vehicle Trips	225	31	256
New Vehicle Trips	225	31	256

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

Scenario - 2

Scenario Name: PM Peak
User Group:
Dev. phase: 1
No. of Years to Project Traffic : 0
Analyst Note:
Warning:

VEHICLE TRIPS BEFORE REDUCTION

Land Use & Data Source	Location	IV	Size	Time Period	Method Rate/Equation	Entry Split%	Exit Split%	Total
710 - General Office Building	General Urban/Suburban	Employees	490	Weekday, Peak Hour of Adjacent Street Traffic,	Best Fit (LOG)	41	198	239
Data Source: Trip Generation Manual, 11th Ed					Ln(T) =0.74Ln(X) + 0.89	17%	83%	

VEHICLE TO PERSON TRIP CONVERSION

BASELINE SITE VEHICLE CHARACTERISTICS:

Land Use	Baseline Site Vehicle Mode Share		Baseline Site Vehicle Occupancy		Baseline Site Vehicle Directional Split	
	Entry (%)	Exit (%)	Entry	Exit	Entry (%)	Exit (%)
710 - General Office Building	100	100	1.1	1.1	17	83

ESTIMATED BASELINE SITE PERSON TRIPS:

Land Use	Person Trips by Vehicle		Person Trips by Other Modes		Total Baseline Site Person Trips	
	Entry	Exit	Entry	Exit	Entry	Exit
710 - General Office Building	45	218	0	0	45	218
	263		0		263	

NEW VEHICLE TRIPS

Land Use	New Vehicle Trips		
	Entry	Exit	Total
710 - General Office Building	41	198	239

RESULTS

Site Totals	Entry	Exit	Total
Vehicle Trips Before Reduction	41	198	239
External Vehicle Trips	41	198	239
New Vehicle Trips	41	198	239

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

APPENDIX C: LOS CALCULATIONS – EXISTING CONDITIONS

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

Lanes, Volumes, Timings
1: N French Rd & Crosspoint Pkwy

North French Rd Mixed Use Development
2024 Existing AM

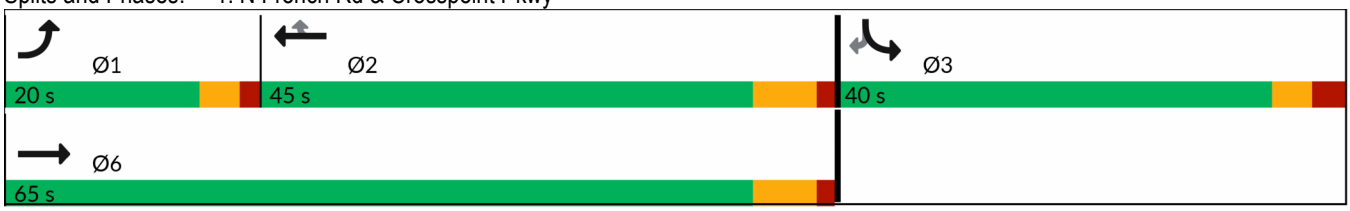
Lane Group	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Volume (vph)	410	657	554	105	30	60
Future Volume (vph)	410	657	554	105	30	60
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Storage Length (ft)	205			150	0	210
Storage Lanes	2			1	1	1
Taper Length (ft)	25				25	
Lane Util. Factor	0.97	0.95	0.95	1.00	1.00	0.88
Frt				0.850		0.850
Flt Protected	0.950				0.950	
Satd. Flow (prot)	3502	3505	3471	1583	1641	2707
Flt Permitted	0.950				0.950	
Satd. Flow (perm)	3502	3505	3471	1583	1641	2707
Right Turn on Red				Yes		Yes
Satd. Flow (RTOR)				122		70
Link Speed (mph)		45	45		30	
Link Distance (ft)		569	820		717	
Travel Time (s)		8.6	12.4		16.3	
Peak Hour Factor	0.86	0.86	0.86	0.86	0.86	0.86
Heavy Vehicles (%)	0%	3%	4%	2%	10%	5%
Adj. Flow (vph)	477	764	644	122	35	70
Shared Lane Traffic (%)						
Lane Group Flow (vph)	477	764	644	122	35	70
Enter Blocked Intersection	No	No	No	No	No	No
Lane Alignment	Left	Left	Left	Right	Left	Right
Median Width(ft)		24	24		12	
Link Offset(ft)		0	0		0	
Crosswalk Width(ft)		16	16		16	
Two way Left Turn Lane						
Headway Factor	1.00	1.00	1.00	1.00	1.00	1.00
Turning Speed (mph)	15			9	15	9
Number of Detectors	2	2	2	2	2	2
Detector Template						
Leading Detector (ft)	49	49	49	49	49	49
Trailing Detector (ft)	-1	-1	-1	-1	-1	-1
Detector 1 Position(ft)	-1	-1	-1	-1	-1	-1
Detector 1 Size(ft)	20	20	20	20	20	20
Detector 1 Type	Cl+Ex	Cl+Ex	Cl+Ex	Cl+Ex	Cl+Ex	Cl+Ex
Detector 1 Channel						
Detector 1 Extend (s)	0.0	0.0	0.0	0.0	0.0	0.0
Detector 1 Queue (s)	0.0	0.0	0.0	0.0	0.0	0.0
Detector 1 Delay (s)	0.0	0.0	0.0	0.0	0.0	0.0
Detector 2 Position(ft)	29	29	29	29	29	29
Detector 2 Size(ft)	20	20	20	20	20	20
Detector 2 Type	Cl+Ex	Cl+Ex	Cl+Ex	Cl+Ex	Cl+Ex	Cl+Ex
Detector 2 Channel						
Detector 2 Extend (s)	0.0	0.0	0.0	0.0	0.0	0.0
Turn Type	Prot	NA	NA	Perm	Prot	Perm
Protected Phases	1	6	2		3	

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

Lane Group	EBL	EBT	WBT	WBR	SBL	SBR
Permitted Phases				2		3
Detector Phase	1	6	2	2	3	3
Switch Phase						
Minimum Initial (s)	6.0	15.0	15.0	15.0	6.0	6.0
Minimum Split (s)	10.7	21.4	21.4	21.4	11.8	11.8
Total Split (s)	20.0	65.0	45.0	45.0	40.0	40.0
Total Split (%)	19.0%	61.9%	42.9%	42.9%	38.1%	38.1%
Maximum Green (s)	15.3	58.6	38.6	38.6	34.2	34.2
Yellow Time (s)	3.2	5.0	5.0	5.0	3.2	3.2
All-Red Time (s)	1.5	1.4	1.4	1.4	2.6	2.6
Lost Time Adjust (s)	0.0	0.0	0.0	0.0	0.0	0.0
Total Lost Time (s)	4.7	6.4	6.4	6.4	5.8	5.8
Lead/Lag	Lead		Lag	Lag		
Lead-Lag Optimize?	Yes		Yes	Yes		
Vehicle Extension (s)	3.0	3.0	3.0	3.0	3.0	3.0
Recall Mode	None	Min	Min	Min	None	None
Walk Time (s)			7.0	7.0		
Flash Dont Walk (s)			15.0	15.0		
Pedestrian Calls (#/hr)			0	0		
Act Effct Green (s)	14.1	38.1	17.3	17.3	7.0	7.0
Actuated g/C Ratio	0.27	0.73	0.33	0.33	0.13	0.13
v/c Ratio	0.50	0.30	0.56	0.20	0.15	0.16
Control Delay (s/veh)	19.8	4.2	18.0	4.4	24.6	8.4
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay (s/veh)	19.8	4.2	18.0	4.4	24.6	8.4
LOS	B	A	B	A	C	A
Approach Delay (s/veh)		10.2	15.9		13.8	
Approach LOS		B	B		B	

Intersection Summary			
Area Type:	Other		
Cycle Length: 105			
Actuated Cycle Length: 52.5			
Natural Cycle: 50			
Control Type: Actuated-Uncoordinated			
Maximum v/c Ratio: 0.56			
Intersection Signal Delay (s/veh): 12.5		Intersection LOS: B	
Intersection Capacity Utilization 46.1%		ICU Level of Service A	
Analysis Period (min) 15			

Splits and Phases: 1: N French Rd & Crosspoint Pkwy



Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

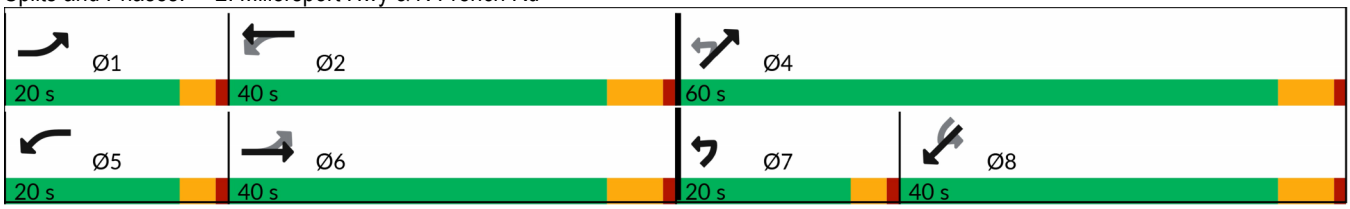
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NEL	NET	NER	SWL	SWT	SWR
Lane Configurations												
Traffic Volume (vph)	77	584	23	154	593	35	38	136	57	13	178	20
Future Volume (vph)	77	584	23	154	593	35	38	136	57	13	178	20
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Storage Length (ft)	235		0	375		0	195		0	170		0
Storage Lanes	1		0	1		0	1		0	1		0
Taper Length (ft)	25			25			25			25		
Lane Util. Factor	1.00	0.95	0.95	1.00	0.95	0.95	1.00	1.00	1.00	1.00	1.00	1.00
Frt		0.994			0.992			0.956			0.985	
Flt Protected	0.950			0.950			0.950			0.950		
Satd. Flow (prot)	1787	3408	0	1703	3384	0	1671	1674	0	1671	1813	0
Flt Permitted	0.368			0.252			0.434			0.626		
Satd. Flow (perm)	692	3408	0	452	3384	0	764	1674	0	1101	1813	0
Right Turn on Red			Yes			Yes			Yes			Yes
Satd. Flow (RTOR)		3			5			23			5	
Link Speed (mph)		45			45			55			55	
Link Distance (ft)		820			1184			767			3092	
Travel Time (s)		12.4			17.9			9.5			38.3	
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Heavy Vehicles (%)	1%	5%	13%	6%	6%	3%	8%	10%	5%	8%	3%	5%
Adj. Flow (vph)	84	635	25	167	645	38	41	148	62	14	193	22
Shared Lane Traffic (%)												
Lane Group Flow (vph)	84	660	0	167	683	0	41	210	0	14	215	0
Enter Blocked Intersection	No	No	No	No	No	No	No	No	No	No	No	No
Lane Alignment	Left	Left	Right	Left	Left	Right	Left	Left	Right	Left	Left	Right
Median Width(ft)		12			12			12			12	
Link Offset(ft)		0			0			0			0	
Crosswalk Width(ft)		16			16			16			16	
Two way Left Turn Lane												
Headway Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Turning Speed (mph)	15		9	15		9	15		9	15		9
Number of Detectors	2	2		2	2		2	2		2	2	
Detector Template												
Leading Detector (ft)	49	49		49	49		49	49		49	49	
Trailing Detector (ft)	-1	-1		-1	-1		-1	-1		-1	-1	
Detector 1 Position(ft)	-1	-1		-1	-1		-1	-1		-1	-1	
Detector 1 Size(ft)	20	20		20	20		20	20		20	20	
Detector 1 Type	Cl+Ex	Cl+Ex		Cl+Ex	Cl+Ex		Cl+Ex	Cl+Ex		Cl+Ex	Cl+Ex	
Detector 1 Channel												
Detector 1 Extend (s)	0.0	0.0		0.0	0.0		0.0	0.0		0.0	0.0	
Detector 1 Queue (s)	0.0	0.0		0.0	0.0		0.0	0.0		0.0	0.0	
Detector 1 Delay (s)	0.0	0.0		0.0	0.0		0.0	0.0		0.0	0.0	
Detector 2 Position(ft)	29	29		29	29		29	29		29	29	
Detector 2 Size(ft)	20	20		20	20		20	20		20	20	
Detector 2 Type	Cl+Ex	Cl+Ex		Cl+Ex	Cl+Ex		Cl+Ex	Cl+Ex		Cl+Ex	Cl+Ex	
Detector 2 Channel												
Detector 2 Extend (s)	0.0	0.0		0.0	0.0		0.0	0.0		0.0	0.0	
Turn Type	pm+pt	NA		pm+pt	NA		pm+pt	NA		Perm	NA	
Protected Phases	1	6		5	2		7	4			8	

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NEL	NET	NER	SWL	SWT	SWR
Permitted Phases	6			2			4			8		
Detector Phase	1	6		5	2		7	4		8	8	
Switch Phase												
Minimum Initial (s)	3.0	10.0		6.0	10.0		4.0	6.0		6.0	6.0	
Minimum Split (s)	7.3	28.0		10.3	28.0		8.3	28.0		28.0	28.0	
Total Split (s)	20.0	40.0		20.0	40.0		20.0	60.0		40.0	40.0	
Total Split (%)	16.7%	33.3%		16.7%	33.3%		16.7%	50.0%		33.3%	33.3%	
Maximum Green (s)	15.7	34.0		15.7	34.0		15.7	54.0		34.0	34.0	
Yellow Time (s)	3.2	5.0		3.2	5.0		3.2	5.0		5.0	5.0	
All-Red Time (s)	1.1	1.0		1.1	1.0		1.1	1.0		1.0	1.0	
Lost Time Adjust (s)	0.0	0.0		0.0	0.0		0.0	0.0		0.0	0.0	
Total Lost Time (s)	4.3	6.0		4.3	6.0		4.3	6.0		6.0	6.0	
Lead/Lag	Lead	Lag		Lead	Lag		Lead			Lag	Lag	
Lead-Lag Optimize?	Yes	Yes		Yes	Yes		Yes			Yes	Yes	
Vehicle Extension (s)	3.0	4.0		2.0	4.0		2.0	4.0		4.0	4.0	
Recall Mode	None	None		None	None		None	None		None	None	
Walk Time (s)		7.0			7.0			7.0		7.0	7.0	
Flash Dont Walk (s)		15.0			15.0			15.0		15.0	15.0	
Pedestrian Calls (#/hr)		0			0			0		0	0	
Act Effct Green (s)	31.2	21.6		37.0	27.2		23.4	21.5		15.7	15.7	
Actuated g/C Ratio	0.44	0.30		0.52	0.38		0.33	0.30		0.22	0.22	
v/c Ratio	0.19	0.63		0.40	0.52		0.12	0.40		0.05	0.53	
Control Delay (s/veh)	11.6	25.8		13.4	21.3		18.3	20.2		28.1	32.5	
Queue Delay	0.0	0.0		0.0	0.0		0.0	0.0		0.0	0.0	
Total Delay (s/veh)	11.6	25.8		13.4	21.3		18.3	20.2		28.1	32.5	
LOS	B	C		B	C		B	C		C	C	
Approach Delay (s/veh)		24.3			19.8			20.0			32.2	
Approach LOS		C			B			B			C	

Intersection Summary			
Area Type:	Other		
Cycle Length: 120			
Actuated Cycle Length: 71			
Natural Cycle: 75			
Control Type: Actuated-Uncoordinated			
Maximum v/c Ratio: 0.64			
Intersection Signal Delay (s/veh): 22.8		Intersection LOS: C	
Intersection Capacity Utilization 59.6%		ICU Level of Service B	
Analysis Period (min) 15			

Splits and Phases: 2: Millersport Hwy & N French Rd



Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

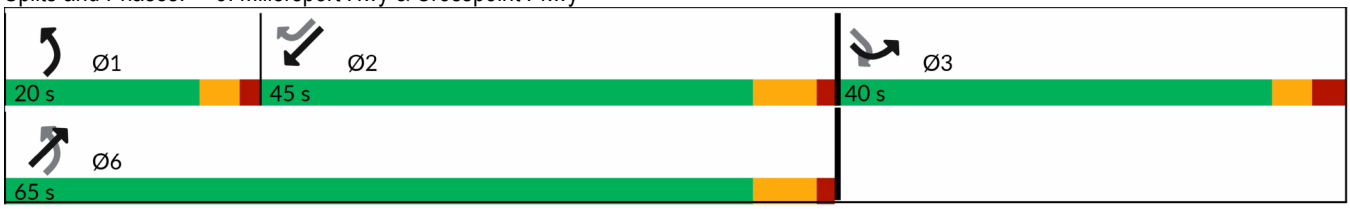
Lane Group	SEL	SER	NEL	NET	SWT	SWR
Lane Configurations						
Traffic Volume (vph)	26	25	137	91	192	255
Future Volume (vph)	26	25	137	91	192	255
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Storage Length (ft)	0	270	375			290
Storage Lanes	1	1	1			1
Taper Length (ft)	25		25			
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00
Frt		0.850				0.850
Flt Protected	0.950		0.950			
Satd. Flow (prot)	1671	1615	1805	1759	1863	1599
Flt Permitted	0.950		0.494			
Satd. Flow (perm)	1671	1615	939	1759	1863	1599
Right Turn on Red		Yes				Yes
Satd. Flow (RTOR)		29				293
Link Speed (mph)	30			55	55	
Link Distance (ft)	433			3092	1125	
Travel Time (s)	9.8			38.3	13.9	
Peak Hour Factor	0.87	0.87	0.87	0.87	0.87	0.87
Heavy Vehicles (%)	8%	0%	0%	8%	2%	1%
Adj. Flow (vph)	30	29	157	105	221	293
Shared Lane Traffic (%)						
Lane Group Flow (vph)	30	29	157	105	221	293
Enter Blocked Intersection	No	No	No	No	No	No
Lane Alignment	Left	Right	Left	Left	Left	Right
Median Width(ft)	12			12	12	
Link Offset(ft)	0			0	0	
Crosswalk Width(ft)	16			16	16	
Two way Left Turn Lane						
Headway Factor	1.00	1.00	1.00	1.00	1.00	1.00
Turning Speed (mph)	15	9	15			9
Number of Detectors	2	2	2	2	2	2
Detector Template						
Leading Detector (ft)	49	49	49	49	49	49
Trailing Detector (ft)	-1	-1	-1	-1	-1	-1
Detector 1 Position(ft)	-1	-1	-1	-1	-1	-1
Detector 1 Size(ft)	20	20	20	20	20	20
Detector 1 Type	Cl+Ex	Cl+Ex	Cl+Ex	Cl+Ex	Cl+Ex	Cl+Ex
Detector 1 Channel						
Detector 1 Extend (s)	0.0	0.0	0.0	0.0	0.0	0.0
Detector 1 Queue (s)	0.0	0.0	0.0	0.0	0.0	0.0
Detector 1 Delay (s)	0.0	0.0	0.0	0.0	0.0	0.0
Detector 2 Position(ft)	29	29	29	29	29	29
Detector 2 Size(ft)	20	20	20	20	20	20
Detector 2 Type	Cl+Ex	Cl+Ex	Cl+Ex	Cl+Ex	Cl+Ex	Cl+Ex
Detector 2 Channel						
Detector 2 Extend (s)	0.0	0.0	0.0	0.0	0.0	0.0
Turn Type	Prot	Perm	pm+pt	NA	NA	Perm
Protected Phases	3		1	6	2	

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

Lane Group	SEL	SER	NEL	NET	SWT	SWR
Permitted Phases		3	6			2
Detector Phase	3	3	1	6	2	2
Switch Phase						
Minimum Initial (s)	6.0	6.0	6.0	15.0	15.0	15.0
Minimum Split (s)	11.8	11.8	10.7	21.4	28.4	28.4
Total Split (s)	40.0	40.0	20.0	65.0	45.0	45.0
Total Split (%)	38.1%	38.1%	19.0%	61.9%	42.9%	42.9%
Maximum Green (s)	34.2	34.2	15.3	58.6	38.6	38.6
Yellow Time (s)	3.2	3.2	3.2	5.0	5.0	5.0
All-Red Time (s)	2.6	2.6	1.5	1.4	1.4	1.4
Lost Time Adjust (s)	0.0	0.0	0.0	0.0	0.0	0.0
Total Lost Time (s)	5.8	5.8	4.7	6.4	6.4	6.4
Lead/Lag			Lead		Lag	Lag
Lead-Lag Optimize?			Yes		Yes	Yes
Vehicle Extension (s)	3.0	3.0	3.0	3.0	3.0	3.0
Recall Mode	None	None	None	Min	Min	Min
Walk Time (s)					7.0	7.0
Flash Dont Walk (s)					15.0	15.0
Pedestrian Calls (#/hr)					0	0
Act Effct Green (s)	6.7	6.7	31.9	33.1	18.2	18.2
Actuated g/C Ratio	0.15	0.15	0.73	0.75	0.41	0.41
v/c Ratio	0.11	0.10	0.19	0.07	0.28	0.35
Control Delay (s/veh)	18.5	9.3	3.8	4.0	12.4	3.5
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay (s/veh)	18.5	9.3	3.8	4.0	12.4	3.5
LOS	B	A	A	A	B	A
Approach Delay (s/veh)	14.0			3.9	7.3	
Approach LOS	B			A	A	

Intersection Summary			
Area Type:	Other		
Cycle Length: 105			
Actuated Cycle Length: 43.9			
Natural Cycle: 55			
Control Type: Actuated-Uncoordinated			
Maximum v/c Ratio: 0.35			
Intersection Signal Delay (s/veh): 6.7		Intersection LOS: A	
Intersection Capacity Utilization 39.2%		ICU Level of Service A	
Analysis Period (min) 15			

Splits and Phases: 3: Millersport Hwy & Crosspoint Pkwy



Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

Lane Group	NBL	NBT	NBR	SBL	SBT	SBR	NEL	NET	NER	SWL	SWT	SWR
Lane Configurations												
Traffic Volume (vph)	36	7	63	1	15	28	5	100	8	121	385	2
Future Volume (vph)	36	7	63	1	15	28	5	100	8	121	385	2
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Frt		0.919			0.915			0.990				
Flt Protected		0.983			0.999			0.998			0.988	
Satd. Flow (prot)	0	1716	0	0	1595	0	0	1683	0	0	1836	0
Flt Permitted		0.983			0.999			0.998			0.988	
Satd. Flow (perm)	0	1716	0	0	1595	0	0	1683	0	0	1836	0
Link Speed (mph)		40			40			55			55	
Link Distance (ft)		599			311			1125			1252	
Travel Time (s)		13.6			7.1			13.9			30.1	
Peak Hour Factor	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89
Heavy Vehicles (%)	0%	0%	0%	100%	7%	7%	20%	12%	0%	3%	2%	0%
Adj. Flow (vph)	40	8	71	1	17	31	6	112	9	136	433	2
Shared Lane Traffic (%)												
Lane Group Flow (vph)	0	119	0	0	49	0	0	127	0	0	571	0
Enter Blocked Intersection	No	No	No	No	No	No	No	No	No	No	No	No
Lane Alignment	Left	Left	Right	Left	Left	Right	Left	Left	Right	Left	Left	Right
Median Width(ft)		0			0			0			0	
Link Offset(ft)		0			0			0			0	
Crosswalk Width(ft)		16			16			16			16	
Two way Left Turn Lane												
Headway Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Turning Speed (mph)	15		9	15		9	15		9	15		9
Sign Control		Stop			Stop			Free			Free	

Intersection Summary			
Area Type:	Other		
Control Type: Unsignalized			
Intersection Capacity Utilization 53.3%		ICU Level of Service A	
Analysis Period (min) 15			

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

Intersection	
Int Delay, s/veh	4.5

Movement	NBL	NBT	NBR	SBL	SBT	SBR	NEL	NET	NER	SWL	SWT	SWR
Lane Configurations		↕			↕			↕			↕	
Traffic Vol, veh/h	36	7	63	1	15	28	5	100	8	121	385	2
Future Vol, veh/h	36	7	63	1	15	28	5	100	8	121	385	2
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	-	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	89	89	89	89	89	89	89	89	89	89	89	89
Heavy Vehicles, %	0	0	0	100	7	7	20	12	0	3	2	0
Mvmt Flow	40	8	71	1	17	31	6	112	9	136	433	2

Major/Minor	Minor1			Minor2			Major1			Major2		
Conflicting Flow All	841	835	117	833	838	434	435	0	0	121	0	0
Stage 1	128	128	-	706	706	-	-	-	-	-	-	-
Stage 2	713	707	-	128	133	-	-	-	-	-	-	-
Critical Hdwy	7.1	6.5	6.2	8.1	6.57	6.27	4.3	-	-	4.13	-	-
Critical Hdwy Stg 1	6.1	5.5	-	7.1	5.57	-	-	-	-	-	-	-
Critical Hdwy Stg 2	6.1	5.5	-	7.1	5.57	-	-	-	-	-	-	-
Follow-up Hdwy	3.5	4	3.3	4.4	4.063	3.363	2.38	-	-	2.227	-	-
Pot Cap-1 Maneuver	287	306	941	200	297	612	1035	-	-	1460	-	-
Stage 1	881	794	-	304	431	-	-	-	-	-	-	-
Stage 2	426	441	-	687	777	-	-	-	-	-	-	-
Platoon blocked, %								-	-		-	-
Mov Cap-1 Maneuver	224	267	941	157	259	612	1035	-	-	1460	-	-
Mov Cap-2 Maneuver	224	267	-	157	259	-	-	-	-	-	-	-
Stage 1	875	789	-	266	378	-	-	-	-	-	-	-
Stage 2	339	387	-	625	773	-	-	-	-	-	-	-

Approach	NB	SB	NE	SW
HCM Control Delay, s/v	17.05	15.27	0.38	1.84
HCM LOS	C	C		

Minor Lane/Major Mvmt	NEL	NET	NER	NBLn1	SBLn1	SWL	SWT	SWR
Capacity (veh/h)	78	-	-	417	400	428	-	-
HCM Lane V/C Ratio	0.005	-	-	0.286	0.124	0.093	-	-
HCM Control Delay (s/veh)	8.5	0	-	17.1	15.3	7.7	0	-
HCM Lane LOS	A	A	-	C	C	A	A	-
HCM 95th %tile Q(veh)	0	-	-	1.2	0.4	0.3	-	-

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

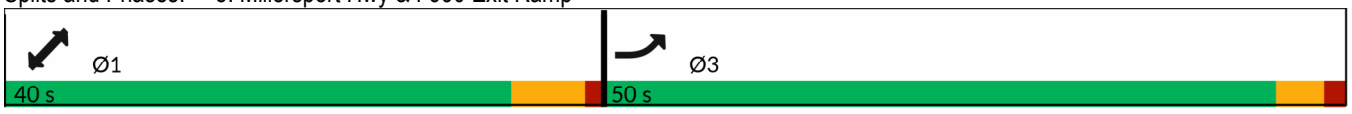
Lane Group	EBL	EBR	NEL	NET	SWT	SWR
Lane Configurations						
Traffic Volume (vph)	525	89	0	166	420	0
Future Volume (vph)	525	89	0	166	420	0
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Storage Length (ft)	0	485	0			0
Storage Lanes	2	1	0			0
Taper Length (ft)	25		25			
Lane Util. Factor	0.97	0.95	1.00	0.95	0.95	1.00
Frt	0.978					
Flt Protected	0.959					
Satd. Flow (prot)	3206	0	0	3374	3505	0
Flt Permitted	0.959					
Satd. Flow (perm)	3206	0	0	3374	3505	0
Right Turn on Red		Yes				Yes
Satd. Flow (RTOR)	32					
Link Speed (mph)	30			55	55	
Link Distance (ft)	766			300	334	
Travel Time (s)	17.4			3.7	4.1	
Peak Hour Factor	0.91	0.91	0.91	0.91	0.91	0.91
Heavy Vehicles (%)	9%	1%	0%	7%	3%	0%
Adj. Flow (vph)	577	98	0	182	462	0
Shared Lane Traffic (%)						
Lane Group Flow (vph)	675	0	0	182	462	0
Enter Blocked Intersection	No	No	No	No	No	No
Lane Alignment	Left	Right	Left	Left	Left	Right
Median Width(ft)	24			12	12	
Link Offset(ft)	0			0	0	
Crosswalk Width(ft)	16			16	16	
Two way Left Turn Lane						
Headway Factor	1.00	1.00	1.00	1.00	1.00	1.00
Turning Speed (mph)	15	9	15			9
Number of Detectors	2			2	2	
Detector Template						
Leading Detector (ft)	49			49	49	
Trailing Detector (ft)	-1			-1	-1	
Detector 1 Position(ft)	-1			-1	-1	
Detector 1 Size(ft)	20			20	20	
Detector 1 Type	Cl+Ex			Cl+Ex	Cl+Ex	
Detector 1 Channel						
Detector 1 Extend (s)	0.0			0.0	0.0	
Detector 1 Queue (s)	0.0			0.0	0.0	
Detector 1 Delay (s)	0.0			0.0	0.0	
Detector 2 Position(ft)	29			29	29	
Detector 2 Size(ft)	20			20	20	
Detector 2 Type	Cl+Ex			Cl+Ex	Cl+Ex	
Detector 2 Channel						
Detector 2 Extend (s)	0.0			0.0	0.0	
Turn Type	Prot			NA	NA	
Protected Phases	3			1	1	

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

Lane Group	EBL	EBR	NEL	NET	SWT	SWR
Permitted Phases						
Detector Phase	3			1	1	
Switch Phase						
Minimum Initial (s)	6.0			10.0	10.0	
Minimum Split (s)	22.7			24.0	24.0	
Total Split (s)	50.0			40.0	40.0	
Total Split (%)	55.6%			44.4%	44.4%	
Maximum Green (s)	45.3			34.0	34.0	
Yellow Time (s)	3.2			5.0	5.0	
All-Red Time (s)	1.5			1.0	1.0	
Lost Time Adjust (s)	0.0			0.0	0.0	
Total Lost Time (s)	4.7			6.0	6.0	
Lead/Lag						
Lead-Lag Optimize?						
Vehicle Extension (s)	4.0			4.0	4.0	
Recall Mode	None			Min	Min	
Act Effct Green (s)	15.8			13.1	13.1	
Actuated g/C Ratio	0.40			0.33	0.33	
v/c Ratio	0.52			0.16	0.40	
Control Delay (s/veh)	10.5			10.7	12.1	
Queue Delay	0.0			0.0	0.0	
Total Delay (s/veh)	10.5			10.7	12.1	
LOS	B			B	B	
Approach Delay (s/veh)	10.6			10.7	12.1	
Approach LOS	B			B	B	

Intersection Summary			
Area Type:	Other		
Cycle Length: 90			
Actuated Cycle Length: 39.9			
Natural Cycle: 50			
Control Type: Actuated-Uncoordinated			
Maximum v/c Ratio: 0.52			
Intersection Signal Delay (s/veh): 11.1		Intersection LOS: B	
Intersection Capacity Utilization 91.3%		ICU Level of Service F	
Analysis Period (min) 15			

Splits and Phases: 5: Millersport Hwy & I-990 Exit Ramp

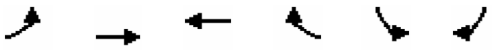


Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

Lane Group	EBL	EBR	NEL	NET	SWT	SWR
Lane Configurations						
Traffic Volume (vph)	0	0	30	670	429	1272
Future Volume (vph)	0	0	30	670	429	1272
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Storage Length (ft)	0	0	180			0
Storage Lanes	0	0	1			0
Taper Length (ft)	25		25			
Lane Util. Factor	1.00	1.00	1.00	0.95	0.95	0.95
Frt					0.888	
Flt Protected			0.950			
Satd. Flow (prot)	0	0	1805	3343	3120	0
Flt Permitted			0.950			
Satd. Flow (perm)	0	0	1805	3343	3120	0
Link Speed (mph)	30			55	55	
Link Distance (ft)	582			334	540	
Travel Time (s)	13.2			4.1	6.7	
Peak Hour Factor	0.93	0.93	0.93	0.93	0.93	0.93
Heavy Vehicles (%)	0%	0%	0%	8%	2%	3%
Adj. Flow (vph)	0	0	32	720	461	1368
Shared Lane Traffic (%)						
Lane Group Flow (vph)	0	0	32	720	1829	0
Enter Blocked Intersection	No	No	No	No	No	No
Lane Alignment	Left	Right	Left	Left	Left	Right
Median Width(ft)	0			12	12	
Link Offset(ft)	0			0	0	
Crosswalk Width(ft)	16			16	16	
Two way Left Turn Lane						
Headway Factor	1.00	1.00	1.00	1.00	1.00	1.00
Turning Speed (mph)	15	9	15			9
Sign Control	Free			Free	Free	

Intersection Summary			
Area Type:	Other		
Control Type: Unsignalized			
Intersection Capacity Utilization	91.3%	ICU Level of Service	F
Analysis Period (min)	15		

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)



Lane Group	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Volume (vph)	34	46	198	194	5	0
Future Volume (vph)	34	46	198	194	5	0
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00
Frt			0.933			
Flt Protected		0.979			0.950	
Satd. Flow (prot)	0	1764	1738	0	1770	1863
Flt Permitted		0.979			0.950	
Satd. Flow (perm)	0	1764	1738	0	1770	1863
Link Speed (mph)		30	30		30	
Link Distance (ft)		228	433		195	
Travel Time (s)		5.2	9.8		4.4	
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92
Heavy Vehicles (%)	2%	8%	2%	2%	2%	2%
Adj. Flow (vph)	37	50	215	211	5	0
Shared Lane Traffic (%)						
Lane Group Flow (vph)	0	87	426	0	5	0
Enter Blocked Intersection	No	No	No	No	No	No
Lane Alignment	Left	Left	Left	Right	Left	Right
Median Width(ft)		0	0		12	
Link Offset(ft)		0	0		0	
Crosswalk Width(ft)		16	16		16	
Two way Left Turn Lane						
Headway Factor	1.00	1.00	1.00	1.00	1.00	1.00
Turning Speed (mph)	15			9	15	9
Sign Control		Free	Free		Stop	

Intersection Summary			
Area Type:	Other		
Control Type: Unsignalized			
Intersection Capacity Utilization 39.9%		ICU Level of Service A	
Analysis Period (min) 15			

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

Intersection	
Int Delay, s/veh	0.7

Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Vol, veh/h	34	46	198	194	5	0
Future Vol, veh/h	34	46	198	194	5	0
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	0	0
Veh in Median Storage, #	-	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	2	8	2	2	2	2
Mvmt Flow	37	50	215	211	5	0

Major/Minor	Major1		Major2		Minor2	
Conflicting Flow All	426	0	-	0	445	321
Stage 1	-	-	-	-	321	-
Stage 2	-	-	-	-	124	-
Critical Hdwy	4.12	-	-	-	6.42	6.22
Critical Hdwy Stg 1	-	-	-	-	5.42	-
Critical Hdwy Stg 2	-	-	-	-	5.42	-
Follow-up Hdwy	2.218	-	-	-	3.518	3.318
Pot Cap-1 Maneuver	1133	-	-	-	571	720
Stage 1	-	-	-	-	736	-
Stage 2	-	-	-	-	902	-
Platoon blocked, %		-	-	-		
Mov Cap-1 Maneuver	1133	-	-	-	552	720
Mov Cap-2 Maneuver	-	-	-	-	552	-
Stage 1	-	-	-	-	711	-
Stage 2	-	-	-	-	902	-

Approach	EB	WB	SB
HCM Control Delay, s/v	3.52	0	11.59
HCM LOS			B

Minor Lane/Major Mvmt	EBL	EBT	WBT	WBR	SBLn1	SBLn2
Capacity (veh/h)	765	-	-	-	552	-
HCM Lane V/C Ratio	0.033	-	-	-	0.01	-
HCM Control Delay (s/veh)	8.3	0	-	-	11.6	0
HCM Lane LOS	A	A	-	-	B	A
HCM 95th %tile Q(veh)	0.1	-	-	-	0	-

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

SimTraffic Performance Report
2024 Existing AM

09/12/2024

6: Millersport Hwy & I-990 Entrance Ramp Performance by lane

Lane	NE	NE	NE	SW	SW	All
Movements Served	L	T	T	T	TR	
Denied Delay (hr)						0.3
Denied Del/Veh (s)						0.4
Total Delay (hr)	0.0	0.1	0.1	1.0	5.1	6.4
Total Del/Veh (s)	4.6	1.3	1.4	8.8	14.2	9.6
Stop Delay (hr)	0.0	0.0	0.0	0.0	0.0	0.1
Stop Del/Veh (s)	3.1	0.2	0.2	0.0	0.0	0.1

Total Zone Performance

Denied Delay (hr)	0.3
Denied Del/Veh (s)	0.6
Total Delay (hr)	6.4
Total Del/Veh (s)	565.2
Stop Delay (hr)	0.1
Stop Del/Veh (s)	5.9

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

Queuing and Blocking Report
2024 Existing AM

09/12/2024

Intersection: 6: Millersport Hwy & I-990 Entrance Ramp

Movement	NE	SW	SW
Directions Served	L	T	TR
Maximum Queue (ft)	36	36	16
Average Queue (ft)	10	2	1
95th Queue (ft)	33	22	12
Link Distance (ft)		3901	3901
Upstream Blk Time (%)			
Queuing Penalty (veh)			
Storage Bay Dist (ft)	180		
Storage Blk Time (%)			
Queuing Penalty (veh)			

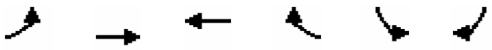
Zone Summary

Zone wide Queuing Penalty: 0

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

Lanes, Volumes, Timings
1: N French Rd & Crosspoint Pkwy

North French Rd Mixed Use Development
2024 Existing PM



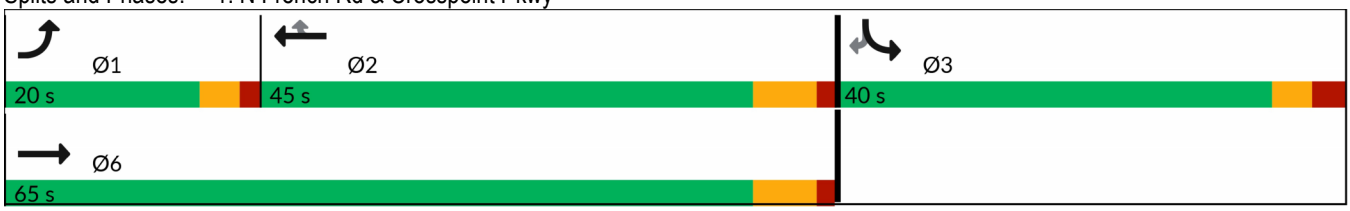
Lane Group	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Volume (vph)	91	811	572	43	100	350
Future Volume (vph)	91	811	572	43	100	350
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Storage Length (ft)	205			150	0	210
Storage Lanes	2			1	1	1
Taper Length (ft)	25				25	
Lane Util. Factor	0.97	0.95	0.95	1.00	1.00	0.88
Frt				0.850		0.850
Flt Protected	0.950				0.950	
Satd. Flow (prot)	3433	3539	3539	1538	1752	2842
Flt Permitted	0.950				0.950	
Satd. Flow (perm)	3433	3539	3539	1538	1752	2842
Right Turn on Red				Yes		Yes
Satd. Flow (RTOR)				50		407
Link Speed (mph)		45	45		30	
Link Distance (ft)		569	820		717	
Travel Time (s)		8.6	12.4		16.3	
Peak Hour Factor	0.86	0.86	0.86	0.86	0.86	0.86
Heavy Vehicles (%)	2%	2%	2%	5%	3%	0%
Adj. Flow (vph)	106	943	665	50	116	407
Shared Lane Traffic (%)						
Lane Group Flow (vph)	106	943	665	50	116	407
Enter Blocked Intersection	No	No	No	No	No	No
Lane Alignment	Left	Left	Left	Right	Left	Right
Median Width(ft)		24	24		12	
Link Offset(ft)		0	0		0	
Crosswalk Width(ft)		16	16		16	
Two way Left Turn Lane						
Headway Factor	1.00	1.00	1.00	1.00	1.00	1.00
Turning Speed (mph)	15			9	15	9
Number of Detectors	2	2	2	2	2	2
Detector Template						
Leading Detector (ft)	49	49	49	49	49	49
Trailing Detector (ft)	-1	-1	-1	-1	-1	-1
Detector 1 Position(ft)	-1	-1	-1	-1	-1	-1
Detector 1 Size(ft)	20	20	20	20	20	20
Detector 1 Type	Cl+Ex	Cl+Ex	Cl+Ex	Cl+Ex	Cl+Ex	Cl+Ex
Detector 1 Channel						
Detector 1 Extend (s)	0.0	0.0	0.0	0.0	0.0	0.0
Detector 1 Queue (s)	0.0	0.0	0.0	0.0	0.0	0.0
Detector 1 Delay (s)	0.0	0.0	0.0	0.0	0.0	0.0
Detector 2 Position(ft)	29	29	29	29	29	29
Detector 2 Size(ft)	20	20	20	20	20	20
Detector 2 Type	Cl+Ex	Cl+Ex	Cl+Ex	Cl+Ex	Cl+Ex	Cl+Ex
Detector 2 Channel						
Detector 2 Extend (s)	0.0	0.0	0.0	0.0	0.0	0.0
Turn Type	Prot	NA	NA	Perm	Prot	Perm
Protected Phases	1	6	2		3	

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

Lane Group	EBL	EBT	WBT	WBR	SBL	SBR
Permitted Phases				2		3
Detector Phase	1	6	2	2	3	3
Switch Phase						
Minimum Initial (s)	6.0	15.0	15.0	15.0	6.0	6.0
Minimum Split (s)	10.7	21.4	21.4	21.4	11.8	11.8
Total Split (s)	20.0	65.0	45.0	45.0	40.0	40.0
Total Split (%)	19.0%	61.9%	42.9%	42.9%	38.1%	38.1%
Maximum Green (s)	15.3	58.6	38.6	38.6	34.2	34.2
Yellow Time (s)	3.2	5.0	5.0	5.0	3.2	3.2
All-Red Time (s)	1.5	1.4	1.4	1.4	2.6	2.6
Lost Time Adjust (s)	0.0	0.0	0.0	0.0	0.0	0.0
Total Lost Time (s)	4.7	6.4	6.4	6.4	5.8	5.8
Lead/Lag	Lead		Lag	Lag		
Lead-Lag Optimize?	Yes		Yes	Yes		
Vehicle Extension (s)	3.0	3.0	3.0	3.0	3.0	3.0
Recall Mode	None	Min	Min	Min	None	None
Walk Time (s)			7.0	7.0		
Flash Dont Walk (s)			15.0	15.0		
Pedestrian Calls (#/hr)			0	0		
Act Effct Green (s)	7.5	26.6	17.4	17.4	9.5	9.5
Actuated g/C Ratio	0.15	0.54	0.36	0.36	0.19	0.19
v/c Ratio	0.20	0.48	0.52	0.08	0.34	0.46
Control Delay (s/veh)	21.9	7.8	15.7	5.2	21.8	4.5
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay (s/veh)	21.9	7.8	15.7	5.2	21.8	4.5
LOS	C	A	B	A	C	A
Approach Delay (s/veh)		9.3	15.0		8.4	
Approach LOS		A	B		A	

Intersection Summary			
Area Type:	Other		
Cycle Length: 105			
Actuated Cycle Length: 48.9			
Natural Cycle: 45			
Control Type: Actuated-Uncoordinated			
Maximum v/c Ratio: 0.53			
Intersection Signal Delay (s/veh): 10.9		Intersection LOS: B	
Intersection Capacity Utilization 40.4%		ICU Level of Service A	
Analysis Period (min) 15			

Splits and Phases: 1: N French Rd & Crosspoint Pkwy



Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

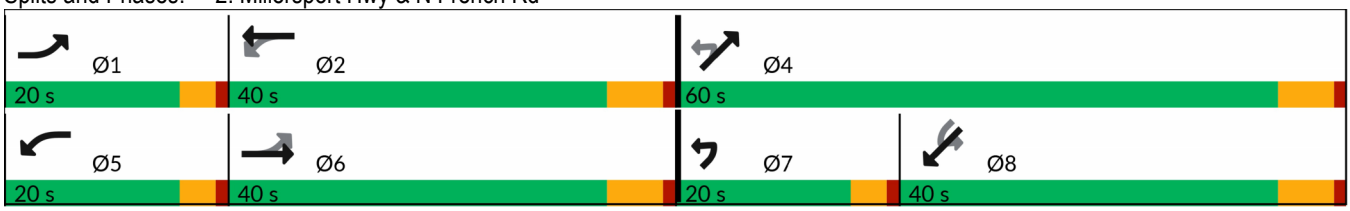
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NEL	NET	NER	SWL	SWT	SWR
Lane Configurations												
Traffic Volume (vph)	66	779	47	60	545	10	24	255	109	17	163	42
Future Volume (vph)	66	779	47	60	545	10	24	255	109	17	163	42
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Storage Length (ft)	235		0	375		0	195		0	170		0
Storage Lanes	1		0	1		0	1		0	1		0
Taper Length (ft)	25			25			25			25		
Lane Util. Factor	1.00	0.95	0.95	1.00	0.95	0.95	1.00	1.00	1.00	1.00	1.00	1.00
Frt		0.991			0.997			0.955			0.969	
Flt Protected	0.950			0.950			0.950			0.950		
Satd. Flow (prot)	1770	3462	0	1752	3463	0	1671	1814	0	1805	1791	0
Flt Permitted	0.354			0.197			0.458			0.487		
Satd. Flow (perm)	659	3462	0	363	3463	0	806	1814	0	925	1791	0
Right Turn on Red			Yes			Yes			Yes			Yes
Satd. Flow (RTOR)		5			2			23			11	
Link Speed (mph)		45			45			55			55	
Link Distance (ft)		820			1184			767			3092	
Travel Time (s)		12.4			17.9			9.5			38.3	
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Heavy Vehicles (%)	2%	3%	9%	3%	4%	0%	8%	0%	0%	0%	3%	2%
Adj. Flow (vph)	72	847	51	65	592	11	26	277	118	18	177	46
Shared Lane Traffic (%)												
Lane Group Flow (vph)	72	898	0	65	603	0	26	395	0	18	223	0
Enter Blocked Intersection	No	No	No	No	No	No	No	No	No	No	No	No
Lane Alignment	Left	Left	Right	Left	Left	Right	Left	Left	Right	Left	Left	Right
Median Width(ft)		12			12			12			12	
Link Offset(ft)		0			0			0			0	
Crosswalk Width(ft)		16			16			16			16	
Two way Left Turn Lane												
Headway Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Turning Speed (mph)	15		9	15		9	15		9	15		9
Number of Detectors	2	2		2	2		2	2		2	2	
Detector Template												
Leading Detector (ft)	49	49		49	49		49	49		49	49	
Trailing Detector (ft)	-1	-1		-1	-1		-1	-1		-1	-1	
Detector 1 Position(ft)	-1	-1		-1	-1		-1	-1		-1	-1	
Detector 1 Size(ft)	20	20		20	20		20	20		20	20	
Detector 1 Type	Cl+Ex	Cl+Ex		Cl+Ex	Cl+Ex		Cl+Ex	Cl+Ex		Cl+Ex	Cl+Ex	
Detector 1 Channel												
Detector 1 Extend (s)	0.0	0.0		0.0	0.0		0.0	0.0		0.0	0.0	
Detector 1 Queue (s)	0.0	0.0		0.0	0.0		0.0	0.0		0.0	0.0	
Detector 1 Delay (s)	0.0	0.0		0.0	0.0		0.0	0.0		0.0	0.0	
Detector 2 Position(ft)	29	29		29	29		29	29		29	29	
Detector 2 Size(ft)	20	20		20	20		20	20		20	20	
Detector 2 Type	Cl+Ex	Cl+Ex		Cl+Ex	Cl+Ex		Cl+Ex	Cl+Ex		Cl+Ex	Cl+Ex	
Detector 2 Channel												
Detector 2 Extend (s)	0.0	0.0		0.0	0.0		0.0	0.0		0.0	0.0	
Turn Type	pm+pt	NA		pm+pt	NA		pm+pt	NA		Perm	NA	
Protected Phases	1	6		5	2		7	4			8	

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NEL	NET	NER	SWL	SWT	SWR
Permitted Phases	6			2			4			8		
Detector Phase	1	6		5	2		7	4		8	8	
Switch Phase												
Minimum Initial (s)	3.0	10.0		6.0	10.0		4.0	6.0		6.0	6.0	
Minimum Split (s)	7.3	28.0		10.3	28.0		8.3	28.0		28.0	28.0	
Total Split (s)	20.0	40.0		20.0	40.0		20.0	60.0		40.0	40.0	
Total Split (%)	16.7%	33.3%		16.7%	33.3%		16.7%	50.0%		33.3%	33.3%	
Maximum Green (s)	15.7	34.0		15.7	34.0		15.7	54.0		34.0	34.0	
Yellow Time (s)	3.2	5.0		3.2	5.0		3.2	5.0		5.0	5.0	
All-Red Time (s)	1.1	1.0		1.1	1.0		1.1	1.0		1.0	1.0	
Lost Time Adjust (s)	0.0	0.0		0.0	0.0		0.0	0.0		0.0	0.0	
Total Lost Time (s)	4.3	6.0		4.3	6.0		4.3	6.0		6.0	6.0	
Lead/Lag	Lead	Lag		Lead	Lag		Lead			Lag	Lag	
Lead-Lag Optimize?	Yes	Yes		Yes	Yes		Yes			Yes	Yes	
Vehicle Extension (s)	3.0	4.0		2.0	4.0		2.0	4.0		4.0	4.0	
Recall Mode	None	None		None	None		None	None		None	None	
Walk Time (s)		7.0			7.0			7.0		7.0	7.0	
Flash Dont Walk (s)		15.0			15.0			15.0		15.0	15.0	
Pedestrian Calls (#/hr)		0			0			0		0	0	
Act Effct Green (s)	35.5	28.0		34.7	27.6		24.9	23.1		19.6	19.6	
Actuated g/C Ratio	0.49	0.39		0.48	0.38		0.34	0.32		0.27	0.27	
v/c Ratio	0.16	0.66		0.20	0.45		0.07	0.66		0.07	0.45	
Control Delay (s/veh)	10.3	22.6		11.1	19.6		18.6	27.7		26.7	28.4	
Queue Delay	0.0	0.0		0.0	0.0		0.0	0.0		0.0	0.0	
Total Delay (s/veh)	10.3	22.6		11.1	19.6		18.6	27.7		26.7	28.4	
LOS	B	C		B	B		B	C		C	C	
Approach Delay (s/veh)		21.8			18.8			27.2			28.3	
Approach LOS		C			B			C			C	

Intersection Summary			
Area Type:	Other		
Cycle Length: 120			
Actuated Cycle Length: 72.4			
Natural Cycle: 75			
Control Type: Actuated-Uncoordinated			
Maximum v/c Ratio: 0.67			
Intersection Signal Delay (s/veh): 22.6		Intersection LOS: C	
Intersection Capacity Utilization 61.7%		ICU Level of Service B	
Analysis Period (min) 15			

Splits and Phases: 2: Millersport Hwy & N French Rd



Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

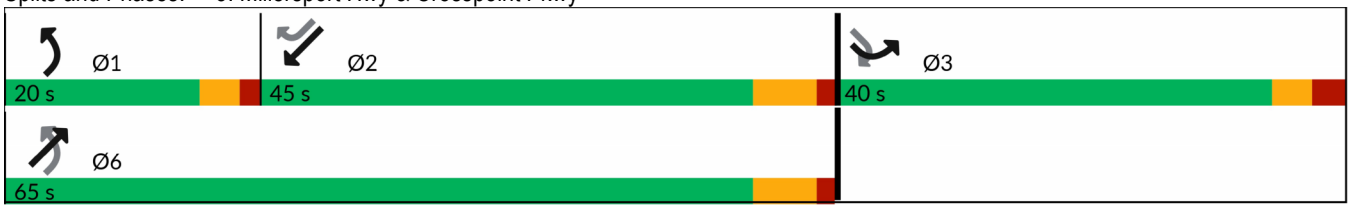
Lane Group	SEL	SER	NEL	NET	SWT	SWR
Lane Configurations						
Traffic Volume (vph)	202	92	27	298	142	44
Future Volume (vph)	202	92	27	298	142	44
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Storage Length (ft)	0	270	375			290
Storage Lanes	1	1	1			1
Taper Length (ft)	25		25			
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00
Frt		0.850				0.850
Flt Protected	0.950		0.950			
Satd. Flow (prot)	1787	1599	1805	1900	1900	1538
Flt Permitted	0.950		0.499			
Satd. Flow (perm)	1787	1599	948	1900	1900	1538
Right Turn on Red		Yes				Yes
Satd. Flow (RTOR)		110				52
Link Speed (mph)	30			55	55	
Link Distance (ft)	433			3092	1125	
Travel Time (s)	9.8			38.3	13.9	
Peak Hour Factor	0.84	0.84	0.84	0.84	0.84	0.84
Heavy Vehicles (%)	1%	1%	0%	0%	0%	5%
Adj. Flow (vph)	240	110	32	355	169	52
Shared Lane Traffic (%)						
Lane Group Flow (vph)	240	110	32	355	169	52
Enter Blocked Intersection	No	No	No	No	No	No
Lane Alignment	Left	Right	Left	Left	Left	Right
Median Width(ft)	12			12	12	
Link Offset(ft)	0			0	0	
Crosswalk Width(ft)	16			16	16	
Two way Left Turn Lane						
Headway Factor	1.00	1.00	1.00	1.00	1.00	1.00
Turning Speed (mph)	15	9	15			9
Number of Detectors	2	2	2	2	2	2
Detector Template						
Leading Detector (ft)	49	49	49	49	49	49
Trailing Detector (ft)	-1	-1	-1	-1	-1	-1
Detector 1 Position(ft)	-1	-1	-1	-1	-1	-1
Detector 1 Size(ft)	20	20	20	20	20	20
Detector 1 Type	Cl+Ex	Cl+Ex	Cl+Ex	Cl+Ex	Cl+Ex	Cl+Ex
Detector 1 Channel						
Detector 1 Extend (s)	0.0	0.0	0.0	0.0	0.0	0.0
Detector 1 Queue (s)	0.0	0.0	0.0	0.0	0.0	0.0
Detector 1 Delay (s)	0.0	0.0	0.0	0.0	0.0	0.0
Detector 2 Position(ft)	29	29	29	29	29	29
Detector 2 Size(ft)	20	20	20	20	20	20
Detector 2 Type	Cl+Ex	Cl+Ex	Cl+Ex	Cl+Ex	Cl+Ex	Cl+Ex
Detector 2 Channel						
Detector 2 Extend (s)	0.0	0.0	0.0	0.0	0.0	0.0
Turn Type	Prot	Perm	pm+pt	NA	NA	Perm
Protected Phases	3		1	6	2	

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

Lane Group	SEL	SER	NEL	NET	SWT	SWR
Permitted Phases		3	6			2
Detector Phase	3	3	1	6	2	2
Switch Phase						
Minimum Initial (s)	6.0	6.0	6.0	15.0	15.0	15.0
Minimum Split (s)	11.8	11.8	10.7	21.4	28.4	28.4
Total Split (s)	40.0	40.0	20.0	65.0	45.0	45.0
Total Split (%)	38.1%	38.1%	19.0%	61.9%	42.9%	42.9%
Maximum Green (s)	34.2	34.2	15.3	58.6	38.6	38.6
Yellow Time (s)	3.2	3.2	3.2	5.0	5.0	5.0
All-Red Time (s)	2.6	2.6	1.5	1.4	1.4	1.4
Lost Time Adjust (s)	0.0	0.0	0.0	0.0	0.0	0.0
Total Lost Time (s)	5.8	5.8	4.7	6.4	6.4	6.4
Lead/Lag			Lead		Lag	Lag
Lead-Lag Optimize?			Yes		Yes	Yes
Vehicle Extension (s)	3.0	3.0	3.0	3.0	3.0	3.0
Recall Mode	None	None	None	Min	Min	Min
Walk Time (s)					7.0	7.0
Flash Dont Walk (s)					15.0	15.0
Pedestrian Calls (#/hr)					0	0
Act Effct Green (s)	11.5	11.5	21.0	19.2	15.5	15.5
Actuated g/C Ratio	0.27	0.27	0.48	0.44	0.36	0.36
v/c Ratio	0.50	0.21	0.05	0.42	0.24	0.08
Control Delay (s/veh)	18.7	5.1	6.5	10.3	14.0	5.9
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay (s/veh)	18.7	5.1	6.5	10.3	14.0	5.9
LOS	B	A	A	B	B	A
Approach Delay (s/veh)	14.5			10.0	12.1	
Approach LOS	B			A	B	

Intersection Summary			
Area Type:	Other		
Cycle Length: 105			
Actuated Cycle Length: 43.3			
Natural Cycle: 60			
Control Type: Actuated-Uncoordinated			
Maximum v/c Ratio: 0.51			
Intersection Signal Delay (s/veh): 12.1		Intersection LOS: B	
Intersection Capacity Utilization 42.8%		ICU Level of Service A	
Analysis Period (min) 15			

Splits and Phases: 3: Millersport Hwy & Crosspoint Pkwy



Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

Lane Group	NBL	NBT	NBR	SBL	SBT	SBR	NEL	NET	NER	SWL	SWT	SWR
Lane Configurations												
Traffic Volume (vph)	14	23	145	1	23	14	22	392	80	94	160	7
Future Volume (vph)	14	23	145	1	23	14	22	392	80	94	160	7
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Frt		0.893			0.950			0.978			0.996	
Flt Protected		0.996			0.999			0.998			0.982	
Satd. Flow (prot)	0	1645	0	0	1757	0	0	1840	0	0	1812	0
Flt Permitted		0.996			0.999			0.998			0.982	
Satd. Flow (perm)	0	1645	0	0	1757	0	0	1840	0	0	1812	0
Link Speed (mph)		40			40			55			55	
Link Distance (ft)		599			311			1125			1252	
Travel Time (s)		13.6			7.1			13.9			30.1	
Peak Hour Factor	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89
Heavy Vehicles (%)	0%	9%	2%	0%	0%	7%	0%	1%	0%	2%	3%	0%
Adj. Flow (vph)	16	26	163	1	26	16	25	440	90	106	180	8
Shared Lane Traffic (%)												
Lane Group Flow (vph)	0	205	0	0	43	0	0	555	0	0	294	0
Enter Blocked Intersection	No	No	No	No	No	No	No	No	No	No	No	No
Lane Alignment	Left	Left	Right	Left	Left	Right	Left	Left	Right	Left	Left	Right
Median Width(ft)		0			0			0			0	
Link Offset(ft)		0			0			0			0	
Crosswalk Width(ft)		16			16			16			16	
Two way Left Turn Lane												
Headway Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Turning Speed (mph)	15		9	15		9	15		9	15		9
Sign Control		Stop			Stop			Free			Free	

Intersection Summary			
Area Type:	Other		
Control Type: Unsignalized			
Intersection Capacity Utilization 68.3%		ICU Level of Service C	
Analysis Period (min) 15			

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

Intersection	
Int Delay, s/veh	5.7

Movement	NBL	NBT	NBR	SBL	SBT	SBR	NEL	NET	NER	SWL	SWT	SWR
Lane Configurations		↕			↕			↕			↕	
Traffic Vol, veh/h	14	23	145	1	23	14	22	392	80	94	160	7
Future Vol, veh/h	14	23	145	1	23	14	22	392	80	94	160	7
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	-	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	89	89	89	89	89	89	89	89	89	89	89	89
Heavy Vehicles, %	0	9	2	0	0	7	0	1	0	2	3	0
Mvmt Flow	16	26	163	1	26	16	25	440	90	106	180	8

Major/Minor	Minor1			Minor2			Major1			Major2		
Conflicting Flow All	939	934	485	898	975	184	188	0	0	530	0	0
Stage 1	535	535	-	395	395	-	-	-	-	-	-	-
Stage 2	404	399	-	503	580	-	-	-	-	-	-	-
Critical Hdwy	7.1	6.59	6.22	7.1	6.5	6.27	4.1	-	-	4.12	-	-
Critical Hdwy Stg 1	6.1	5.59	-	6.1	5.5	-	-	-	-	-	-	-
Critical Hdwy Stg 2	6.1	5.59	-	6.1	5.5	-	-	-	-	-	-	-
Follow-up Hdwy	3.5	4.081	3.318	3.5	4	3.363	2.2	-	-	2.218	-	-
Pot Cap-1 Maneuver	246	259	582	262	254	846	1399	-	-	1037	-	-
Stage 1	533	513	-	634	608	-	-	-	-	-	-	-
Stage 2	627	590	-	555	503	-	-	-	-	-	-	-
Platoon blocked, %								-	-		-	-
Mov Cap-1 Maneuver	187	224	582	147	219	846	1399	-	-	1037	-	-
Mov Cap-2 Maneuver	187	224	-	147	219	-	-	-	-	-	-	-
Stage 1	519	500	-	562	539	-	-	-	-	-	-	-
Stage 2	519	523	-	369	491	-	-	-	-	-	-	-

Approach	NB	SB	NE	SW
HCM Control Delay, s/v	20.99	19.2	0.34	3.19
HCM LOS	C	C		

Minor Lane/Major Mvmt	NEL	NET	NER	NBLn1	SBLn1	SWL	SWT	SWR
Capacity (veh/h)	78	-	-	426	296	643	-	-
HCM Lane V/C Ratio	0.018	-	-	0.48	0.144	0.102	-	-
HCM Control Delay (s/veh)	7.6	0	-	21	19.2	8.9	0	-
HCM Lane LOS	A	A	-	C	C	A	A	-
HCM 95th %tile Q(veh)	0.1	-	-	2.5	0.5	0.3	-	-

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

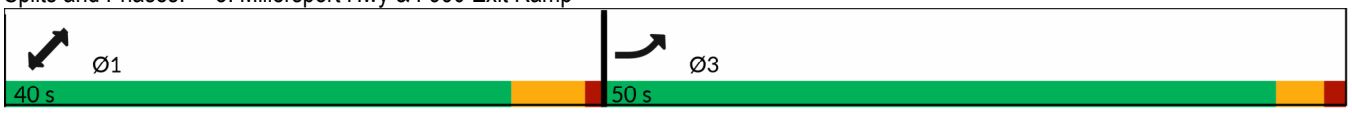
Lane Group	EBL	EBR	NEL	NET	SWT	SWR
Lane Configurations						
Traffic Volume (vph)	1360	48	0	544	212	0
Future Volume (vph)	1360	48	0	544	212	0
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Storage Length (ft)	0	485	0			0
Storage Lanes	2	1	0			0
Taper Length (ft)	25		25			
Lane Util. Factor	0.97	0.95	1.00	0.95	0.95	1.00
Frt	0.995					
Flt Protected	0.954					
Satd. Flow (prot)	3430	0	0	3574	3539	0
Flt Permitted	0.954					
Satd. Flow (perm)	3430	0	0	3574	3539	0
Right Turn on Red		Yes				Yes
Satd. Flow (RTOR)	6					
Link Speed (mph)	30			55	55	
Link Distance (ft)	749			300	334	
Travel Time (s)	17.0			3.7	4.1	
Peak Hour Factor	0.93	0.93	0.93	0.93	0.93	0.93
Heavy Vehicles (%)	2%	2%	0%	1%	2%	0%
Adj. Flow (vph)	1462	52	0	585	228	0
Shared Lane Traffic (%)						
Lane Group Flow (vph)	1514	0	0	585	228	0
Enter Blocked Intersection	No	No	No	No	No	No
Lane Alignment	Left	Right	Left	Left	Left	Right
Median Width(ft)	24			12	12	
Link Offset(ft)	0			0	0	
Crosswalk Width(ft)	16			16	16	
Two way Left Turn Lane						
Headway Factor	1.00	1.00	1.00	1.00	1.00	1.00
Turning Speed (mph)	15	9	15			9
Number of Detectors	2			2	2	
Detector Template						
Leading Detector (ft)	49			49	49	
Trailing Detector (ft)	-1			-1	-1	
Detector 1 Position(ft)	-1			-1	-1	
Detector 1 Size(ft)	20			20	20	
Detector 1 Type	Cl+Ex			Cl+Ex	Cl+Ex	
Detector 1 Channel						
Detector 1 Extend (s)	0.0			0.0	0.0	
Detector 1 Queue (s)	0.0			0.0	0.0	
Detector 1 Delay (s)	0.0			0.0	0.0	
Detector 2 Position(ft)	29			29	29	
Detector 2 Size(ft)	20			20	20	
Detector 2 Type	Cl+Ex			Cl+Ex	Cl+Ex	
Detector 2 Channel						
Detector 2 Extend (s)	0.0			0.0	0.0	
Turn Type	Prot			NA	NA	
Protected Phases	3			1	1	

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

Lane Group	EBL	EBR	NEL	NET	SWT	SWR
Permitted Phases						
Detector Phase	3			1	1	
Switch Phase						
Minimum Initial (s)	6.0			10.0	10.0	
Minimum Split (s)	22.7			24.0	24.0	
Total Split (s)	50.0			40.0	40.0	
Total Split (%)	55.6%			44.4%	44.4%	
Maximum Green (s)	45.3			34.0	34.0	
Yellow Time (s)	3.2			5.0	5.0	
All-Red Time (s)	1.5			1.0	1.0	
Lost Time Adjust (s)	0.0			0.0	0.0	
Total Lost Time (s)	4.7			6.0	6.0	
Lead/Lag						
Lead-Lag Optimize?						
Vehicle Extension (s)	4.0			4.0	4.0	
Recall Mode	None			Min	Min	
Act Effct Green (s)	39.9			19.6	19.6	
Actuated g/C Ratio	0.57			0.28	0.28	
v/c Ratio	0.77			0.58	0.23	
Control Delay (s/veh)	15.8			25.2	21.1	
Queue Delay	0.0			0.0	0.0	
Total Delay (s/veh)	15.8			25.2	21.1	
LOS	B			C	C	
Approach Delay (s/veh)	15.9			25.3	21.1	
Approach LOS	B			C	C	

Intersection Summary			
Area Type:	Other		
Cycle Length: 90			
Actuated Cycle Length: 70.6			
Natural Cycle: 60			
Control Type: Actuated-Uncoordinated			
Maximum v/c Ratio: 0.78			
Intersection Signal Delay (s/veh): 18.8		Intersection LOS: B	
Intersection Capacity Utilization 98.8%		ICU Level of Service F	
Analysis Period (min) 15			

Splits and Phases: 5: Millersport Hwy & I-990 Exit Ramp



Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

Lane Group	EBL	EBR	NEL	NET	SWT	SWR
Lane Configurations						
Traffic Volume (vph)	0	0	63	1845	192	802
Future Volume (vph)	0	0	63	1845	192	802
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Storage Length (ft)	0	0	180			0
Storage Lanes	0	0	1			0
Taper Length (ft)	25		25			
Lane Util. Factor	1.00	1.00	1.00	0.95	0.95	0.95
Frt					0.879	
Flt Protected			0.950			
Satd. Flow (prot)	0	0	1770	3539	3087	0
Flt Permitted			0.950			
Satd. Flow (perm)	0	0	1770	3539	3087	0
Link Speed (mph)	30			55	55	
Link Distance (ft)	582			334	540	
Travel Time (s)	13.2			4.1	6.7	
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95
Heavy Vehicles (%)	0%	0%	2%	2%	2%	3%
Adj. Flow (vph)	0	0	66	1942	202	844
Shared Lane Traffic (%)						
Lane Group Flow (vph)	0	0	66	1942	1046	0
Enter Blocked Intersection	No	No	No	No	No	No
Lane Alignment	Left	Right	Left	Left	Left	Right
Median Width(ft)	0			12	12	
Link Offset(ft)	0			0	0	
Crosswalk Width(ft)	16			16	16	
Two way Left Turn Lane						
Headway Factor	1.00	1.00	1.00	1.00	1.00	1.00
Turning Speed (mph)	15	9	15			9
Sign Control	Free			Free	Free	

Intersection Summary			
Area Type:	Other		
Control Type: Unsignalized			
Intersection Capacity Utilization	98.8%	ICU Level of Service	F
Analysis Period (min)	15		

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

Lane Group	SEL	SET	NWT	NWR	SWL	SWR
Lane Configurations						
Traffic Volume (vph)	4	194	41	30	100	21
Future Volume (vph)	4	194	41	30	100	21
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00
Frt			0.943			0.850
Flt Protected		0.999			0.950	
Satd. Flow (prot)	0	1861	1747	0	1770	1583
Flt Permitted		0.999			0.950	
Satd. Flow (perm)	0	1861	1747	0	1770	1583
Link Speed (mph)		30	30		30	
Link Distance (ft)		228	433		213	
Travel Time (s)		5.2	9.8		4.8	
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92
Heavy Vehicles (%)	2%	2%	3%	2%	2%	2%
Adj. Flow (vph)	4	211	45	33	109	23
Shared Lane Traffic (%)						
Lane Group Flow (vph)	0	215	78	0	109	23
Enter Blocked Intersection	No	No	No	No	No	No
Lane Alignment	Left	Left	Left	Right	Left	Right
Median Width(ft)		0	0		0	
Link Offset(ft)		0	0		0	
Crosswalk Width(ft)		16	16		16	
Two way Left Turn Lane						
Headway Factor	1.00	1.00	1.00	1.00	1.00	1.00
Turning Speed (mph)	15			9	15	9
Sign Control		Free	Free		Stop	

Intersection Summary			
Area Type:	Other		
Control Type: Unsignalized			
Intersection Capacity Utilization 25.6%		ICU Level of Service A	
Analysis Period (min) 15			

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

Intersection	
Int Delay, s/veh	3.4

Movement	SEL	SET	NWT	NWR	SWL	SWR
Lane Configurations						
Traffic Vol, veh/h	4	194	41	30	100	21
Future Vol, veh/h	4	194	41	30	100	21
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	-	-
Veh in Median Storage, #	-	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	2	2	3	2	2	2
Mvmt Flow	4	211	45	33	109	23

Major/Minor	Major1		Major2		Minor2	
Conflicting Flow All	77	0	-	0	280	61
Stage 1	-	-	-	-	61	-
Stage 2	-	-	-	-	220	-
Critical Hdwy	4.12	-	-	-	6.42	6.22
Critical Hdwy Stg 1	-	-	-	-	5.42	-
Critical Hdwy Stg 2	-	-	-	-	5.42	-
Follow-up Hdwy	2.218	-	-	-	3.518	3.318
Pot Cap-1 Maneuver	1521	-	-	-	710	1004
Stage 1	-	-	-	-	962	-
Stage 2	-	-	-	-	817	-
Platoon blocked, %			-	-	-	
Mov Cap-1 Maneuver	1521	-	-	-	707	1004
Mov Cap-2 Maneuver	-	-	-	-	707	-
Stage 1	-	-	-	-	959	-
Stage 2	-	-	-	-	817	-

Approach	SE	NW	SW
HCM Control Delay, s/v	0.15	0	10.61
HCM LOS			B

Minor Lane/Major Mvmt	NWT	NWR	SEL	SET	SWLn1	SWLn2
Capacity (veh/h)	-	-	36	-	707	1004
HCM Lane V/C Ratio	-	-	0.003	-	0.154	0.023
HCM Control Delay (s/veh)	-	-	7.4	0	11	8.7
HCM Lane LOS	-	-	A	A	B	A
HCM 95th %tile Q(veh)	-	-	0	-	0.5	0.1

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

SimTraffic Performance Report
2024 Existing PM

09/12/2024

6: Millersport Hwy & I-990 Entrance Ramp Performance by lane

Lane	NE	NE	NE	SW	SW	All
Movements Served	L	T	T	T	TR	
Denied Delay (hr)						0.1
Denied Del/Veh (s)						0.2
Total Delay (hr)	0.0	0.6	0.6	0.2	1.2	2.5
Total Del/Veh (s)	2.3	2.3	2.2	3.4	5.1	3.1
Stop Delay (hr)	0.0	0.0	0.0	0.0	0.0	0.1
Stop Del/Veh (s)	0.6	0.1	0.1	0.1	0.0	0.1

Total Zone Performance

Denied Delay (hr)	0.1
Denied Del/Veh (s)	0.5
Total Delay (hr)	2.5
Total Del/Veh (s)	506.5
Stop Delay (hr)	0.1
Stop Del/Veh (s)	11.6

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

Queuing and Blocking Report
2024 Existing PM

09/12/2024

Intersection: 6: Millersport Hwy & I-990 Entrance Ramp

Movement	NE	SW	SW
Directions Served	L	T	TR
Maximum Queue (ft)	40	126	156
Average Queue (ft)	10	5	7
95th Queue (ft)	36	78	84
Link Distance (ft)		519	519
Upstream Blk Time (%)		0	0
Queuing Penalty (veh)		0	0
Storage Bay Dist (ft)	180		
Storage Blk Time (%)			
Queuing Penalty (veh)			

Zone Summary

Zone wide Queuing Penalty: 0

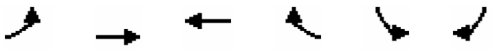
Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

APPENDIX D: LOS CALCULATIONS – BACKGROUND CONDITIONS

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

Lanes, Volumes, Timings
1: N French Rd & Crosspoint Pkwy

North French Rd Mixed Use Development
2025 Background AM



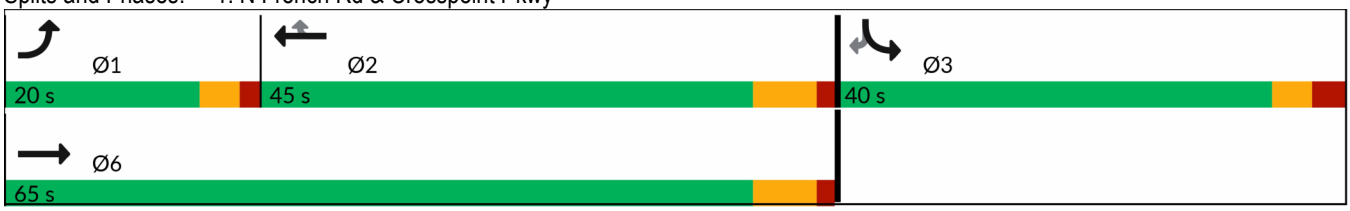
Lane Group	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Volume (vph)	427	672	580	116	54	94
Future Volume (vph)	427	672	580	116	54	94
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Storage Length (ft)	205			150	0	210
Storage Lanes	2			1	1	1
Taper Length (ft)	25				25	
Lane Util. Factor	0.97	0.95	0.95	1.00	1.00	0.88
Frt				0.850		0.850
Flt Protected	0.950				0.950	
Satd. Flow (prot)	3502	3505	3471	1583	1641	2707
Flt Permitted	0.950				0.950	
Satd. Flow (perm)	3502	3505	3471	1583	1641	2707
Right Turn on Red				Yes		Yes
Satd. Flow (RTOR)				135		109
Link Speed (mph)		45	45		30	
Link Distance (ft)		569	820		717	
Travel Time (s)		8.6	12.4		16.3	
Peak Hour Factor	0.86	0.86	0.86	0.86	0.86	0.86
Heavy Vehicles (%)	0%	3%	4%	2%	10%	5%
Adj. Flow (vph)	497	781	674	135	63	109
Shared Lane Traffic (%)						
Lane Group Flow (vph)	497	781	674	135	63	109
Enter Blocked Intersection	No	No	No	No	No	No
Lane Alignment	Left	Left	Left	Right	Left	Right
Median Width(ft)		24	24		12	
Link Offset(ft)		0	0		0	
Crosswalk Width(ft)		16	16		16	
Two way Left Turn Lane						
Headway Factor	1.00	1.00	1.00	1.00	1.00	1.00
Turning Speed (mph)	15			9	15	9
Number of Detectors	2	2	2	2	2	2
Detector Template						
Leading Detector (ft)	49	49	49	49	49	49
Trailing Detector (ft)	-1	-1	-1	-1	-1	-1
Detector 1 Position(ft)	-1	-1	-1	-1	-1	-1
Detector 1 Size(ft)	20	20	20	20	20	20
Detector 1 Type	Cl+Ex	Cl+Ex	Cl+Ex	Cl+Ex	Cl+Ex	Cl+Ex
Detector 1 Channel						
Detector 1 Extend (s)	0.0	0.0	0.0	0.0	0.0	0.0
Detector 1 Queue (s)	0.0	0.0	0.0	0.0	0.0	0.0
Detector 1 Delay (s)	0.0	0.0	0.0	0.0	0.0	0.0
Detector 2 Position(ft)	29	29	29	29	29	29
Detector 2 Size(ft)	20	20	20	20	20	20
Detector 2 Type	Cl+Ex	Cl+Ex	Cl+Ex	Cl+Ex	Cl+Ex	Cl+Ex
Detector 2 Channel						
Detector 2 Extend (s)	0.0	0.0	0.0	0.0	0.0	0.0
Turn Type	Prot	NA	NA	Perm	Prot	Perm
Protected Phases	1	6	2		3	

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

Lane Group	EBL	EBT	WBT	WBR	SBL	SBR
Permitted Phases				2		3
Detector Phase	1	6	2	2	3	3
Switch Phase						
Minimum Initial (s)	6.0	15.0	15.0	15.0	6.0	6.0
Minimum Split (s)	10.7	21.4	21.4	21.4	11.8	11.8
Total Split (s)	20.0	65.0	45.0	45.0	40.0	40.0
Total Split (%)	19.0%	61.9%	42.9%	42.9%	38.1%	38.1%
Maximum Green (s)	15.3	58.6	38.6	38.6	34.2	34.2
Yellow Time (s)	3.2	5.0	5.0	5.0	3.2	3.2
All-Red Time (s)	1.5	1.4	1.4	1.4	2.6	2.6
Lost Time Adjust (s)	0.0	0.0	0.0	0.0	0.0	0.0
Total Lost Time (s)	4.7	6.4	6.4	6.4	5.8	5.8
Lead/Lag	Lead		Lag	Lag		
Lead-Lag Optimize?	Yes		Yes	Yes		
Vehicle Extension (s)	3.0	3.0	3.0	3.0	3.0	3.0
Recall Mode	None	Min	Min	Min	None	None
Walk Time (s)			7.0	7.0		
Flash Dont Walk (s)			15.0	15.0		
Pedestrian Calls (#/hr)			0	0		
Act Effct Green (s)	15.0	39.9	18.1	18.1	8.0	8.0
Actuated g/C Ratio	0.27	0.72	0.33	0.33	0.14	0.14
v/c Ratio	0.52	0.30	0.59	0.22	0.26	0.22
Control Delay (s/veh)	21.2	4.6	19.1	4.4	26.4	7.3
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay (s/veh)	21.2	4.6	19.1	4.4	26.4	7.3
LOS	C	A	B	A	C	A
Approach Delay (s/veh)		11.1	16.7		14.3	
Approach LOS		B	B		B	

Intersection Summary			
Area Type:	Other		
Cycle Length: 105			
Actuated Cycle Length: 55.3			
Natural Cycle: 50			
Control Type: Actuated-Uncoordinated			
Maximum v/c Ratio: 0.59			
Intersection Signal Delay (s/veh): 13.3		Intersection LOS: B	
Intersection Capacity Utilization 47.3%		ICU Level of Service A	
Analysis Period (min) 15			

Splits and Phases: 1: N French Rd & Crosspoint Pkwy



Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NEL	NET	NER	SWL	SWT	SWR
Lane Configurations												
Traffic Volume (vph)	80	615	28	156	615	38	53	139	60	14	181	20
Future Volume (vph)	80	615	28	156	615	38	53	139	60	14	181	20
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Storage Length (ft)	235		0	375		0	195		0	170		0
Storage Lanes	1		0	1		0	1		0	1		0
Taper Length (ft)	25			25			25			25		
Lane Util. Factor	1.00	0.95	0.95	1.00	0.95	0.95	1.00	1.00	1.00	1.00	1.00	1.00
Frt		0.994			0.991			0.955			0.985	
Flt Protected	0.950			0.950			0.950			0.950		
Satd. Flow (prot)	1787	3406	0	1703	3381	0	1671	1672	0	1671	1813	0
Flt Permitted	0.346			0.227			0.416			0.623		
Satd. Flow (perm)	651	3406	0	407	3381	0	732	1672	0	1096	1813	0
Right Turn on Red			Yes			Yes			Yes			Yes
Satd. Flow (RTOR)		4			5			23			5	
Link Speed (mph)		45			45			55			55	
Link Distance (ft)		820			1184			767			3092	
Travel Time (s)		12.4			17.9			9.5			38.3	
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Heavy Vehicles (%)	1%	5%	13%	6%	6%	3%	8%	10%	5%	8%	3%	5%
Adj. Flow (vph)	87	668	30	170	668	41	58	151	65	15	197	22
Shared Lane Traffic (%)												
Lane Group Flow (vph)	87	698	0	170	709	0	58	216	0	15	219	0
Enter Blocked Intersection	No	No	No	No	No	No	No	No	No	No	No	No
Lane Alignment	Left	Left	Right	Left	Left	Right	Left	Left	Right	Left	Left	Right
Median Width(ft)		12			12			12			12	
Link Offset(ft)		0			0			0			0	
Crosswalk Width(ft)		16			16			16			16	
Two way Left Turn Lane												
Headway Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Turning Speed (mph)	15		9	15		9	15		9	15		9
Number of Detectors	2	2		2	2		2	2		2	2	
Detector Template												
Leading Detector (ft)	49	49		49	49		49	49		49	49	
Trailing Detector (ft)	-1	-1		-1	-1		-1	-1		-1	-1	
Detector 1 Position(ft)	-1	-1		-1	-1		-1	-1		-1	-1	
Detector 1 Size(ft)	20	20		20	20		20	20		20	20	
Detector 1 Type	Cl+Ex	Cl+Ex		Cl+Ex	Cl+Ex		Cl+Ex	Cl+Ex		Cl+Ex	Cl+Ex	
Detector 1 Channel												
Detector 1 Extend (s)	0.0	0.0		0.0	0.0		0.0	0.0		0.0	0.0	
Detector 1 Queue (s)	0.0	0.0		0.0	0.0		0.0	0.0		0.0	0.0	
Detector 1 Delay (s)	0.0	0.0		0.0	0.0		0.0	0.0		0.0	0.0	
Detector 2 Position(ft)	29	29		29	29		29	29		29	29	
Detector 2 Size(ft)	20	20		20	20		20	20		20	20	
Detector 2 Type	Cl+Ex	Cl+Ex		Cl+Ex	Cl+Ex		Cl+Ex	Cl+Ex		Cl+Ex	Cl+Ex	
Detector 2 Channel												
Detector 2 Extend (s)	0.0	0.0		0.0	0.0		0.0	0.0		0.0	0.0	
Turn Type	pm+pt	NA		pm+pt	NA		pm+pt	NA		Perm	NA	
Protected Phases	1	6		5	2		7	4			8	

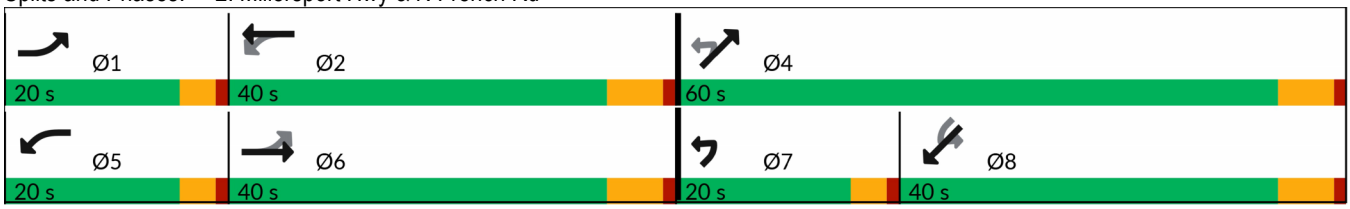
Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NEL	NET	NER	SWL	SWT	SWR
Permitted Phases	6			2			4			8		
Detector Phase	1	6		5	2		7	4		8	8	
Switch Phase												
Minimum Initial (s)	3.0	10.0		6.0	10.0		4.0	6.0		6.0	6.0	
Minimum Split (s)	7.3	28.0		10.3	28.0		8.3	28.0		28.0	28.0	
Total Split (s)	20.0	40.0		20.0	40.0		20.0	60.0		40.0	40.0	
Total Split (%)	16.7%	33.3%		16.7%	33.3%		16.7%	50.0%		33.3%	33.3%	
Maximum Green (s)	15.7	34.0		15.7	34.0		15.7	54.0		34.0	34.0	
Yellow Time (s)	3.2	5.0		3.2	5.0		3.2	5.0		5.0	5.0	
All-Red Time (s)	1.1	1.0		1.1	1.0		1.1	1.0		1.0	1.0	
Lost Time Adjust (s)	0.0	0.0		0.0	0.0		0.0	0.0		0.0	0.0	
Total Lost Time (s)	4.3	6.0		4.3	6.0		4.3	6.0		6.0	6.0	
Lead/Lag	Lead	Lag		Lead	Lag		Lead			Lag	Lag	
Lead-Lag Optimize?	Yes	Yes		Yes	Yes		Yes			Yes	Yes	
Vehicle Extension (s)	3.0	4.0		2.0	4.0		2.0	4.0		4.0	4.0	
Recall Mode	None	None		None	None		None	None		None	None	
Walk Time (s)		7.0			7.0			7.0		7.0	7.0	
Flash Dont Walk (s)		15.0			15.0			15.0		15.0	15.0	
Pedestrian Calls (#/hr)		0			0			0		0	0	
Act Effct Green (s)	33.0	23.2		39.0	29.0		27.0	25.1		16.3	16.3	
Actuated g/C Ratio	0.43	0.30		0.51	0.38		0.35	0.33		0.21	0.21	
v/c Ratio	0.21	0.67		0.44	0.55		0.16	0.38		0.06	0.56	
Control Delay (s/veh)	12.6	28.0		15.0	23.0		19.0	20.2		29.6	35.4	
Queue Delay	0.0	0.0		0.0	0.0		0.0	0.0		0.0	0.0	
Total Delay (s/veh)	12.6	28.0		15.0	23.0		19.0	20.2		29.6	35.4	
LOS	B	C		B	C		B	C		C	D	
Approach Delay (s/veh)		26.4			21.5			20.0			35.1	
Approach LOS		C			C			C			D	

Intersection Summary

Area Type: Other
Cycle Length: 120
Actuated Cycle Length: 76.3
Natural Cycle: 75
Control Type: Actuated-Uncoordinated
Maximum v/c Ratio: 0.67
Intersection Signal Delay (s/veh): 24.6 Intersection LOS: C
Intersection Capacity Utilization 61.1% ICU Level of Service B
Analysis Period (min) 15

Splits and Phases: 2: Millersport Hwy & N French Rd



Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

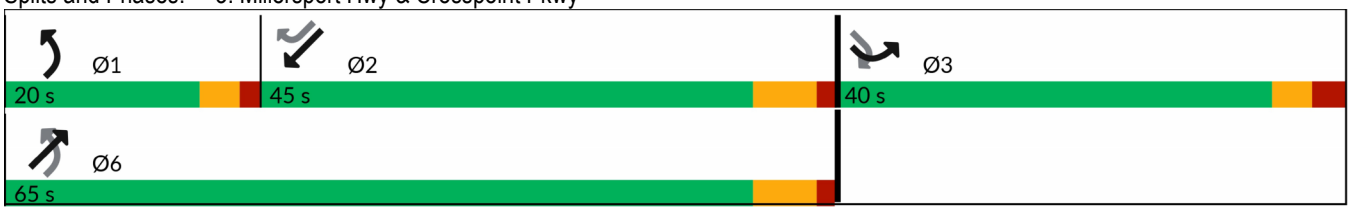
Lane Group	SEL	SER	NEL	NET	SWT	SWR
Lane Configurations						
Traffic Volume (vph)	26	25	140	96	196	259
Future Volume (vph)	26	25	140	96	196	259
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Storage Length (ft)	0	270	375			290
Storage Lanes	1	1	1			1
Taper Length (ft)	25		25			
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00
Frt		0.850				0.850
Flt Protected	0.950		0.950			
Satd. Flow (prot)	1671	1615	1805	1759	1863	1599
Flt Permitted	0.950		0.492			
Satd. Flow (perm)	1671	1615	935	1759	1863	1599
Right Turn on Red		Yes				Yes
Satd. Flow (RTOR)		29				298
Link Speed (mph)	30			55	55	
Link Distance (ft)	433			3092	916	
Travel Time (s)	9.8			38.3	11.4	
Peak Hour Factor	0.87	0.87	0.87	0.87	0.87	0.87
Heavy Vehicles (%)	8%	0%	0%	8%	2%	1%
Adj. Flow (vph)	30	29	161	110	225	298
Shared Lane Traffic (%)						
Lane Group Flow (vph)	30	29	161	110	225	298
Enter Blocked Intersection	No	No	No	No	No	No
Lane Alignment	Left	Right	Left	Left	Left	Right
Median Width(ft)	12			12	12	
Link Offset(ft)	0			0	0	
Crosswalk Width(ft)	16			16	16	
Two way Left Turn Lane						
Headway Factor	1.00	1.00	1.00	1.00	1.00	1.00
Turning Speed (mph)	15	9	15			9
Number of Detectors	2	2	2	2	2	2
Detector Template						
Leading Detector (ft)	49	49	49	49	49	49
Trailing Detector (ft)	-1	-1	-1	-1	-1	-1
Detector 1 Position(ft)	-1	-1	-1	-1	-1	-1
Detector 1 Size(ft)	20	20	20	20	20	20
Detector 1 Type	Cl+Ex	Cl+Ex	Cl+Ex	Cl+Ex	Cl+Ex	Cl+Ex
Detector 1 Channel						
Detector 1 Extend (s)	0.0	0.0	0.0	0.0	0.0	0.0
Detector 1 Queue (s)	0.0	0.0	0.0	0.0	0.0	0.0
Detector 1 Delay (s)	0.0	0.0	0.0	0.0	0.0	0.0
Detector 2 Position(ft)	29	29	29	29	29	29
Detector 2 Size(ft)	20	20	20	20	20	20
Detector 2 Type	Cl+Ex	Cl+Ex	Cl+Ex	Cl+Ex	Cl+Ex	Cl+Ex
Detector 2 Channel						
Detector 2 Extend (s)	0.0	0.0	0.0	0.0	0.0	0.0
Turn Type	Prot	Perm	pm+pt	NA	NA	Perm
Protected Phases	3		1	6	2	

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

Lane Group	SEL	SER	NEL	NET	SWT	SWR
Permitted Phases		3	6			2
Detector Phase	3	3	1	6	2	2
Switch Phase						
Minimum Initial (s)	6.0	6.0	6.0	15.0	15.0	15.0
Minimum Split (s)	11.8	11.8	10.7	21.4	28.4	28.4
Total Split (s)	40.0	40.0	20.0	65.0	45.0	45.0
Total Split (%)	38.1%	38.1%	19.0%	61.9%	42.9%	42.9%
Maximum Green (s)	34.2	34.2	15.3	58.6	38.6	38.6
Yellow Time (s)	3.2	3.2	3.2	5.0	5.0	5.0
All-Red Time (s)	2.6	2.6	1.5	1.4	1.4	1.4
Lost Time Adjust (s)	0.0	0.0	0.0	0.0	0.0	0.0
Total Lost Time (s)	5.8	5.8	4.7	6.4	6.4	6.4
Lead/Lag			Lead		Lag	Lag
Lead-Lag Optimize?			Yes		Yes	Yes
Vehicle Extension (s)	3.0	3.0	3.0	3.0	3.0	3.0
Recall Mode	None	None	None	Min	Min	Min
Walk Time (s)					7.0	7.0
Flash Dont Walk (s)					15.0	15.0
Pedestrian Calls (#/hr)					0	0
Act Effct Green (s)	6.7	6.7	31.9	33.1	18.2	18.2
Actuated g/C Ratio	0.15	0.15	0.73	0.75	0.41	0.41
v/c Ratio	0.11	0.10	0.19	0.08	0.29	0.35
Control Delay (s/veh)	18.6	9.3	3.8	4.0	12.4	3.4
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay (s/veh)	18.6	9.3	3.8	4.0	12.4	3.4
LOS	B	A	A	A	B	A
Approach Delay (s/veh)	14.1			3.9	7.3	
Approach LOS	B			A	A	

Intersection Summary			
Area Type:	Other		
Cycle Length: 105			
Actuated Cycle Length: 43.9			
Natural Cycle: 55			
Control Type: Actuated-Uncoordinated			
Maximum v/c Ratio: 0.36			
Intersection Signal Delay (s/veh): 6.7		Intersection LOS: A	
Intersection Capacity Utilization 39.3%		ICU Level of Service A	
Analysis Period (min) 15			

Splits and Phases: 3: Millersport Hwy & Crosspoint Pkwy



Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

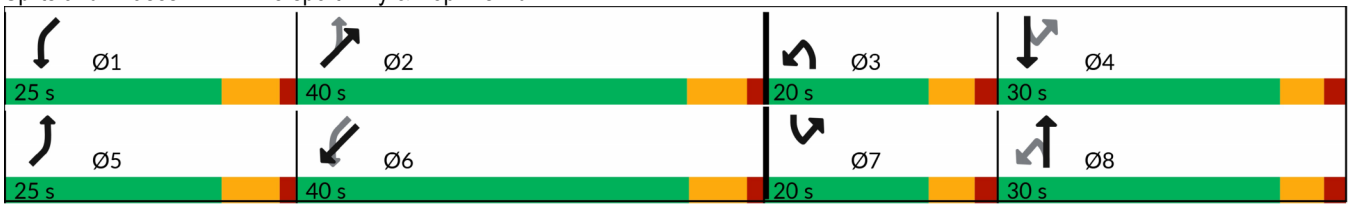
Lane Group	NBL	NBT	NBR	SBL	SBT	SBR	NEL	NET	NER	SWL	SWT	SWR
Lane Configurations												
Traffic Volume (vph)	37	7	64	1	15	28	5	105	8	123	392	2
Future Volume (vph)	37	7	64	1	15	28	5	105	8	123	392	2
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Storage Length (ft)	200		0	150		0	200		0	200		0
Storage Lanes	1		0	1		0	1		0	1		0
Taper Length (ft)	25			25			25			25		
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Frt		0.865			0.903			0.989			0.999	
Flt Protected	0.950			0.950			0.950			0.950		
Satd. Flow (prot)	1805	1644	0	902	1603	0	1504	1691	0	1752	1861	0
Flt Permitted	0.816						0.507			0.548		
Satd. Flow (perm)	1550	1644	0	950	1603	0	803	1691	0	1011	1861	0
Right Turn on Red			Yes			Yes			Yes			Yes
Satd. Flow (RTOR)		72			31			3				
Link Speed (mph)		40			40			55			55	
Link Distance (ft)		601			759			916			1461	
Travel Time (s)		10.2			12.9			11.4			18.1	
Peak Hour Factor	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89
Heavy Vehicles (%)	0%	0%	0%	100%	7%	7%	20%	12%	0%	3%	2%	0%
Adj. Flow (vph)	42	8	72	1	17	31	6	118	9	138	440	2
Shared Lane Traffic (%)												
Lane Group Flow (vph)	42	80	0	1	48	0	6	127	0	138	442	0
Enter Blocked Intersection	No	No	No	No	No	No	No	No	No	No	No	No
Lane Alignment	Left	Left	Right	Left	Left	Right	Left	Left	Right	Left	Left	Right
Median Width(ft)		12			12			12			12	
Link Offset(ft)		0			0			0			0	
Crosswalk Width(ft)		16			16			16			16	
Two way Left Turn Lane												
Headway Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Turning Speed (mph)	15		9	15		9	15		9	15		9
Number of Detectors	1	2		1	2		1	2		1	2	
Detector Template	Left	Thru		Left	Thru		Left	Thru		Left	Thru	
Leading Detector (ft)	20	100		20	100		20	100		20	100	
Trailing Detector (ft)	0	0		0	0		0	0		0	0	
Detector 1 Position(ft)	0	0		0	0		0	0		0	0	
Detector 1 Size(ft)	20	6		20	6		20	6		20	6	
Detector 1 Type	Cl+Ex	Cl+Ex		Cl+Ex	Cl+Ex		Cl+Ex	Cl+Ex		Cl+Ex	Cl+Ex	
Detector 1 Channel												
Detector 1 Extend (s)	0.0	0.0		0.0	0.0		0.0	0.0		0.0	0.0	
Detector 1 Queue (s)	0.0	0.0		0.0	0.0		0.0	0.0		0.0	0.0	
Detector 1 Delay (s)	0.0	0.0		0.0	0.0		0.0	0.0		0.0	0.0	
Detector 2 Position(ft)		94			94			94			94	
Detector 2 Size(ft)		6			6			6			6	
Detector 2 Type		Cl+Ex			Cl+Ex			Cl+Ex			Cl+Ex	
Detector 2 Channel												
Detector 2 Extend (s)		0.0			0.0			0.0			0.0	
Turn Type	pm+pt	NA		pm+pt	NA		pm+pt	NA		pm+pt	NA	
Protected Phases	3	8		7	4		5	2		1	6	

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

Lane Group	NBL	NBT	NBR	SBL	SBT	SBR	NEL	NET	NER	SWL	SWT	SWR
Permitted Phases	8			4			2			6		
Detector Phase	3	8		7	4		5	2		1	6	
Switch Phase												
Minimum Initial (s)	3.0	6.0		3.0	6.0		3.0	10.0		3.0	10.0	
Minimum Split (s)	8.7	11.7		8.7	11.7		9.4	16.4		9.3	16.3	
Total Split (s)	20.0	30.0		20.0	30.0		25.0	40.0		25.0	40.0	
Total Split (%)	17.4%	26.1%		17.4%	26.1%		21.7%	34.8%		21.7%	34.8%	
Maximum Green (s)	14.3	24.3		14.3	24.3		18.6	33.6		18.7	33.7	
Yellow Time (s)	3.9	3.9		3.9	3.9		5.0	5.0		5.0	5.0	
All-Red Time (s)	1.8	1.8		1.8	1.8		1.4	1.4		1.3	1.3	
Lost Time Adjust (s)	0.0	0.0		0.0	0.0		0.0	0.0		0.0	0.0	
Total Lost Time (s)	5.7	5.7		5.7	5.7		6.4	6.4		6.3	6.3	
Lead/Lag	Lead	Lag		Lead	Lag		Lead	Lag		Lead	Lag	
Lead-Lag Optimize?	Yes	Yes		Yes	Yes		Yes	Yes		Yes	Yes	
Vehicle Extension (s)	1.5	1.3		1.5	1.3		1.5	1.3		1.5	1.3	
Recall Mode	None	None		None	None		None	None		None	None	
Act Effct Green (s)	9.0	9.7		7.4	7.8		17.4	17.3		23.8	27.7	
Actuated g/C Ratio	0.22	0.24		0.18	0.19		0.42	0.42		0.58	0.68	
v/c Ratio	0.11	0.18		0.00	0.14		0.01	0.17		0.19	0.35	
Control Delay (s/veh)	16.2	8.9		16.0	15.2		8.0	16.1		7.3	10.6	
Queue Delay	0.0	0.0		0.0	0.0		0.0	0.0		0.0	0.0	
Total Delay (s/veh)	16.2	8.9		16.0	15.2		8.0	16.1		7.3	10.6	
LOS	B	A		B	B		A	B		A	B	
Approach Delay (s/veh)		11.4			15.2			15.7			9.9	
Approach LOS		B			B			B			A	

Intersection Summary			
Area Type:	Other		
Cycle Length: 115			
Actuated Cycle Length: 41			
Natural Cycle: 60			
Control Type: Actuated-Uncoordinated			
Maximum v/c Ratio: 0.35			
Intersection Signal Delay (s/veh): 11.3		Intersection LOS: B	
Intersection Capacity Utilization 39.5%		ICU Level of Service A	
Analysis Period (min) 15			

Splits and Phases: 4: Millersport Hwy & Hopkins Rd



Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

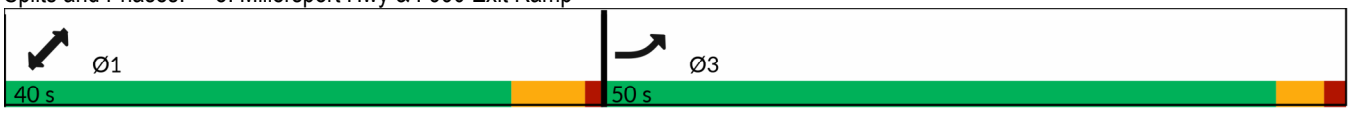
Lane Group	EBL	EBR	NEL	NET	SWT	SWR
Lane Configurations						
Traffic Volume (vph)	533	90	0	172	427	0
Future Volume (vph)	533	90	0	172	427	0
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Storage Length (ft)	0	485	0			0
Storage Lanes	2	1	0			0
Taper Length (ft)	25		25			
Lane Util. Factor	0.97	0.95	1.00	0.95	0.95	1.00
Frt	0.978					
Flt Protected	0.959					
Satd. Flow (prot)	3206	0	0	3374	3505	0
Flt Permitted	0.959					
Satd. Flow (perm)	3206	0	0	3374	3505	0
Right Turn on Red		Yes				Yes
Satd. Flow (RTOR)	31					
Link Speed (mph)	30			55	55	
Link Distance (ft)	766			300	334	
Travel Time (s)	17.4			3.7	4.1	
Peak Hour Factor	0.91	0.91	0.91	0.91	0.91	0.91
Heavy Vehicles (%)	9%	1%	0%	7%	3%	0%
Adj. Flow (vph)	586	99	0	189	469	0
Shared Lane Traffic (%)						
Lane Group Flow (vph)	685	0	0	189	469	0
Enter Blocked Intersection	No	No	No	No	No	No
Lane Alignment	Left	Right	Left	Left	Left	Right
Median Width(ft)	24			12	12	
Link Offset(ft)	0			0	0	
Crosswalk Width(ft)	16			16	16	
Two way Left Turn Lane						
Headway Factor	1.00	1.00	1.00	1.00	1.00	1.00
Turning Speed (mph)	15	9	15			9
Number of Detectors	2			2	2	
Detector Template						
Leading Detector (ft)	49			49	49	
Trailing Detector (ft)	-1			-1	-1	
Detector 1 Position(ft)	-1			-1	-1	
Detector 1 Size(ft)	20			20	20	
Detector 1 Type	Cl+Ex			Cl+Ex	Cl+Ex	
Detector 1 Channel						
Detector 1 Extend (s)	0.0			0.0	0.0	
Detector 1 Queue (s)	0.0			0.0	0.0	
Detector 1 Delay (s)	0.0			0.0	0.0	
Detector 2 Position(ft)	29			29	29	
Detector 2 Size(ft)	20			20	20	
Detector 2 Type	Cl+Ex			Cl+Ex	Cl+Ex	
Detector 2 Channel						
Detector 2 Extend (s)	0.0			0.0	0.0	
Turn Type	Prot			NA	NA	
Protected Phases	3			1	1	

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

Lane Group	EBL	EBR	NEL	NET	SWT	SWR
Permitted Phases						
Detector Phase	3			1	1	
Switch Phase						
Minimum Initial (s)	6.0			10.0	10.0	
Minimum Split (s)	22.7			24.0	24.0	
Total Split (s)	50.0			40.0	40.0	
Total Split (%)	55.6%			44.4%	44.4%	
Maximum Green (s)	45.3			34.0	34.0	
Yellow Time (s)	3.2			5.0	5.0	
All-Red Time (s)	1.5			1.0	1.0	
Lost Time Adjust (s)	0.0			0.0	0.0	
Total Lost Time (s)	4.7			6.0	6.0	
Lead/Lag						
Lead-Lag Optimize?						
Vehicle Extension (s)	4.0			4.0	4.0	
Recall Mode	None			Min	Min	
Act Effct Green (s)	16.0			13.4	13.4	
Actuated g/C Ratio	0.40			0.33	0.33	
v/c Ratio	0.53			0.16	0.40	
Control Delay (s/veh)	10.7			10.8	12.2	
Queue Delay	0.0			0.0	0.0	
Total Delay (s/veh)	10.7			10.8	12.2	
LOS	B			B	B	
Approach Delay (s/veh)	10.8			10.8	12.2	
Approach LOS	B			B	B	

Intersection Summary			
Area Type:	Other		
Cycle Length: 90			
Actuated Cycle Length: 40.5			
Natural Cycle: 50			
Control Type: Actuated-Uncoordinated			
Maximum v/c Ratio: 0.53			
Intersection Signal Delay (s/veh): 11.3		Intersection LOS: B	
Intersection Capacity Utilization 92.4%		ICU Level of Service F	
Analysis Period (min) 15			

Splits and Phases: 5: Millersport Hwy & I-990 Exit Ramp

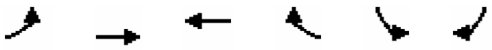


Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

Lane Group	EBL	EBR	NEL	NET	SWT	SWR
Lane Configurations						
Traffic Volume (vph)	0	0	30	684	436	1291
Future Volume (vph)	0	0	30	684	436	1291
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Storage Length (ft)	0	0	180			0
Storage Lanes	0	0	1			0
Taper Length (ft)	25		25			
Lane Util. Factor	1.00	1.00	1.00	0.95	0.95	0.95
Frt					0.888	
Flt Protected			0.950			
Satd. Flow (prot)	0	0	1805	3343	3120	0
Flt Permitted			0.950			
Satd. Flow (perm)	0	0	1805	3343	3120	0
Link Speed (mph)	30			55	55	
Link Distance (ft)	582			334	3922	
Travel Time (s)	13.2			4.1	6.7	
Peak Hour Factor	0.93	0.93	0.93	0.93	0.93	0.93
Heavy Vehicles (%)	0%	0%	0%	8%	2%	3%
Adj. Flow (vph)	0	0	32	735	469	1388
Shared Lane Traffic (%)						
Lane Group Flow (vph)	0	0	32	735	1857	0
Enter Blocked Intersection	No	No	No	No	No	No
Lane Alignment	Left	Right	Left	Left	Left	Right
Median Width(ft)	0			12	12	
Link Offset(ft)	0			0	0	
Crosswalk Width(ft)	16			16	16	
Two way Left Turn Lane						
Headway Factor	1.00	1.00	1.00	1.00	1.00	1.00
Turning Speed (mph)	15	9	15			25
Sign Control	Free			Free	Free	

Intersection Summary			
Area Type:	Other		
Control Type: Unsignalized			
Intersection Capacity Utilization	92.4%	ICU Level of Service	F
Analysis Period (min)	15		

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)



Lane Group	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Volume (vph)	35	47	202	197	5	0
Future Volume (vph)	35	47	202	197	5	0
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00
Frt			0.933			
Flt Protected		0.979			0.950	
Satd. Flow (prot)	0	1764	1738	0	1770	1863
Flt Permitted		0.979			0.950	
Satd. Flow (perm)	0	1764	1738	0	1770	1863
Link Speed (mph)		30	30		30	
Link Distance (ft)		228	433		195	
Travel Time (s)		5.2	9.8		4.4	
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92
Heavy Vehicles (%)	2%	8%	2%	2%	2%	2%
Adj. Flow (vph)	38	51	220	214	5	0
Shared Lane Traffic (%)						
Lane Group Flow (vph)	0	89	434	0	5	0
Enter Blocked Intersection	No	No	No	No	No	No
Lane Alignment	Left	Left	Left	Right	Left	Right
Median Width(ft)		0	0		12	
Link Offset(ft)		0	0		0	
Crosswalk Width(ft)		16	16		16	
Two way Left Turn Lane						
Headway Factor	1.00	1.00	1.00	1.00	1.00	1.00
Turning Speed (mph)	15			9	15	9
Sign Control		Free	Free		Stop	

Intersection Summary			
Area Type:	Other		
Control Type: Unsignalized			
Intersection Capacity Utilization 40.4%		ICU Level of Service A	
Analysis Period (min) 15			

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

Intersection	
Int Delay, s/veh	0.7

Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Vol, veh/h	35	47	202	197	5	0
Future Vol, veh/h	35	47	202	197	5	0
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	0	0
Veh in Median Storage, #	-	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	2	8	2	2	2	2
Mvmt Flow	38	51	220	214	5	0

Major/Minor	Major1		Major2		Minor2	
Conflicting Flow All	434	0	-	0	454	327
Stage 1	-	-	-	-	327	-
Stage 2	-	-	-	-	127	-
Critical Hdwy	4.12	-	-	-	6.42	6.22
Critical Hdwy Stg 1	-	-	-	-	5.42	-
Critical Hdwy Stg 2	-	-	-	-	5.42	-
Follow-up Hdwy	2.218	-	-	-	3.518	3.318
Pot Cap-1 Maneuver	1126	-	-	-	564	715
Stage 1	-	-	-	-	731	-
Stage 2	-	-	-	-	899	-
Platoon blocked, %		-	-	-		
Mov Cap-1 Maneuver	1126	-	-	-	544	715
Mov Cap-2 Maneuver	-	-	-	-	544	-
Stage 1	-	-	-	-	706	-
Stage 2	-	-	-	-	899	-

Approach	EB	WB	SB
HCM Control Delay, s/v	3.55	0	11.68
HCM LOS			B

Minor Lane/Major Mvmt	EBL	EBT	WBT	WBR	SBLn1	SBLn2
Capacity (veh/h)	768	-	-	-	544	-
HCM Lane V/C Ratio	0.034	-	-	-	0.01	-
HCM Control Delay (s/veh)	8.3	0	-	-	11.7	0
HCM Lane LOS	A	A	-	-	B	A
HCM 95th %tile Q(veh)	0.1	-	-	-	0	-

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

SimTraffic Performance Report
2025 Background AM

09/13/2024

6: Millersport Hwy & I-990 Entrance Ramp Performance by lane

Lane	NE	NE	NE	SW	SW	All
Movements Served	L	T	T	T	TR	
Denied Delay (hr)						0.3
Denied Del/Veh (s)						0.4
Total Delay (hr)	0.0	0.1	0.1	1.1	5.5	7.0
Total Del/Veh (s)	4.2	1.3	1.4	9.2	14.9	10.1
Stop Delay (hr)	0.0	0.0	0.0	0.0	0.0	0.1
Stop Del/Veh (s)	2.6	0.2	0.2	0.0	0.0	0.1

Total Zone Performance

Denied Delay (hr)	0.3
Denied Del/Veh (s)	0.6
Total Delay (hr)	7.0
Total Del/Veh (s)	695.8
Stop Delay (hr)	0.1
Stop Del/Veh (s)	5.9

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

Queuing and Blocking Report
2025 Background AM

09/13/2024

Intersection: 6: Millersport Hwy & I-990 Entrance Ramp

Movement	NE	SW	SW
Directions Served	L	T	TR
Maximum Queue (ft)	44	6	6
Average Queue (ft)	11	0	0
95th Queue (ft)	37	4	4
Link Distance (ft)		3901	3901
Upstream Blk Time (%)			
Queuing Penalty (veh)			
Storage Bay Dist (ft)	180		
Storage Blk Time (%)			
Queuing Penalty (veh)			

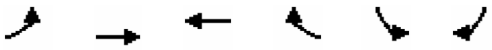
Zone Summary

Zone wide Queuing Penalty: 0

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

Lanes, Volumes, Timings
1: N French Rd & Crosspoint Pkwy

North French Rd Mixed Use Development
2025 Background PM



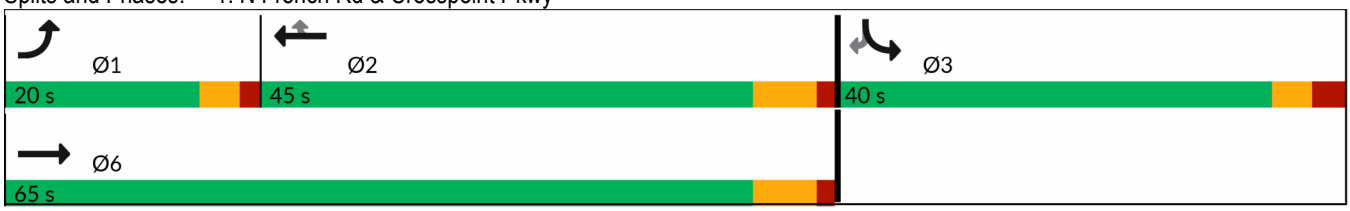
Lane Group	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Volume (vph)	127	841	592	70	118	376
Future Volume (vph)	127	841	592	70	118	376
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Storage Length (ft)	205			150	0	210
Storage Lanes	2			1	1	1
Taper Length (ft)	25				25	
Lane Util. Factor	0.97	0.95	0.95	1.00	1.00	0.88
Frt				0.850		0.850
Flt Protected	0.950				0.950	
Satd. Flow (prot)	3433	3539	3539	1538	1752	2842
Flt Permitted	0.950				0.950	
Satd. Flow (perm)	3433	3539	3539	1538	1752	2842
Right Turn on Red				Yes		Yes
Satd. Flow (RTOR)				81		437
Link Speed (mph)		45	45		30	
Link Distance (ft)		569	820		717	
Travel Time (s)		8.6	12.4		16.3	
Peak Hour Factor	0.86	0.86	0.86	0.86	0.86	0.86
Heavy Vehicles (%)	2%	2%	2%	5%	3%	0%
Adj. Flow (vph)	148	978	688	81	137	437
Shared Lane Traffic (%)						
Lane Group Flow (vph)	148	978	688	81	137	437
Enter Blocked Intersection	No	No	No	No	No	No
Lane Alignment	Left	Left	Left	Right	Left	Right
Median Width(ft)		24	24		12	
Link Offset(ft)		0	0		0	
Crosswalk Width(ft)		16	16		16	
Two way Left Turn Lane						
Headway Factor	1.00	1.00	1.00	1.00	1.00	1.00
Turning Speed (mph)	15			9	15	9
Number of Detectors	2	2	2	2	2	2
Detector Template						
Leading Detector (ft)	49	49	49	49	49	49
Trailing Detector (ft)	-1	-1	-1	-1	-1	-1
Detector 1 Position(ft)	-1	-1	-1	-1	-1	-1
Detector 1 Size(ft)	20	20	20	20	20	20
Detector 1 Type	Cl+Ex	Cl+Ex	Cl+Ex	Cl+Ex	Cl+Ex	Cl+Ex
Detector 1 Channel						
Detector 1 Extend (s)	0.0	0.0	0.0	0.0	0.0	0.0
Detector 1 Queue (s)	0.0	0.0	0.0	0.0	0.0	0.0
Detector 1 Delay (s)	0.0	0.0	0.0	0.0	0.0	0.0
Detector 2 Position(ft)	29	29	29	29	29	29
Detector 2 Size(ft)	20	20	20	20	20	20
Detector 2 Type	Cl+Ex	Cl+Ex	Cl+Ex	Cl+Ex	Cl+Ex	Cl+Ex
Detector 2 Channel						
Detector 2 Extend (s)	0.0	0.0	0.0	0.0	0.0	0.0
Turn Type	Prot	NA	NA	Perm	Prot	Perm
Protected Phases	1	6	2		3	

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

Lane Group	EBL	EBT	WBT	WBR	SBL	SBR
Permitted Phases				2		3
Detector Phase	1	6	2	2	3	3
Switch Phase						
Minimum Initial (s)	6.0	15.0	15.0	15.0	6.0	6.0
Minimum Split (s)	10.7	21.4	21.4	21.4	11.8	11.8
Total Split (s)	20.0	65.0	45.0	45.0	40.0	40.0
Total Split (%)	19.0%	61.9%	42.9%	42.9%	38.1%	38.1%
Maximum Green (s)	15.3	58.6	38.6	38.6	34.2	34.2
Yellow Time (s)	3.2	5.0	5.0	5.0	3.2	3.2
All-Red Time (s)	1.5	1.4	1.4	1.4	2.6	2.6
Lost Time Adjust (s)	0.0	0.0	0.0	0.0	0.0	0.0
Total Lost Time (s)	4.7	6.4	6.4	6.4	5.8	5.8
Lead/Lag	Lead		Lag	Lag		
Lead-Lag Optimize?	Yes		Yes	Yes		
Vehicle Extension (s)	3.0	3.0	3.0	3.0	3.0	3.0
Recall Mode	None	Min	Min	Min	None	None
Walk Time (s)			7.0	7.0		
Flash Dont Walk (s)			15.0	15.0		
Pedestrian Calls (#/hr)			0	0		
Act Effct Green (s)	8.3	28.1	18.2	18.2	10.5	10.5
Actuated g/C Ratio	0.16	0.55	0.35	0.35	0.20	0.20
v/c Ratio	0.26	0.50	0.55	0.13	0.38	0.47
Control Delay (s/veh)	23.2	8.2	16.8	4.7	23.2	4.4
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay (s/veh)	23.2	8.2	16.8	4.7	23.2	4.4
LOS	C	A	B	A	C	A
Approach Delay (s/veh)		10.3	15.5		8.9	
Approach LOS		B	B		A	

Intersection Summary			
Area Type:	Other		
Cycle Length: 105			
Actuated Cycle Length: 51.4			
Natural Cycle: 45			
Control Type: Actuated-Uncoordinated			
Maximum v/c Ratio: 0.55			
Intersection Signal Delay (s/veh): 11.6		Intersection LOS: B	
Intersection Capacity Utilization 42.0%		ICU Level of Service A	
Analysis Period (min) 15			

Splits and Phases: 1: N French Rd & Crosspoint Pkwy



Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

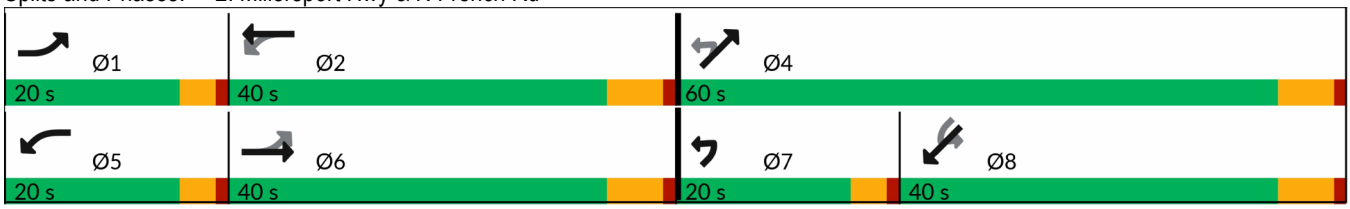
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NEL	NET	NER	SWL	SWT	SWR
Lane Configurations												
Traffic Volume (vph)	68	811	62	61	579	11	33	259	113	18	166	45
Future Volume (vph)	68	811	62	61	579	11	33	259	113	18	166	45
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Storage Length (ft)	235		0	375		0	195		0	170		0
Storage Lanes	1		0	1		0	1		0	1		0
Taper Length (ft)	25			25			25			25		
Lane Util. Factor	1.00	0.95	0.95	1.00	0.95	0.95	1.00	1.00	1.00	1.00	1.00	1.00
Frt		0.989			0.997			0.954			0.968	
Flt Protected	0.950			0.950			0.950			0.950		
Satd. Flow (prot)	1770	3452	0	1752	3463	0	1671	1813	0	1805	1789	0
Flt Permitted	0.333			0.183			0.428			0.482		
Satd. Flow (perm)	620	3452	0	338	3463	0	753	1813	0	916	1789	0
Right Turn on Red			Yes			Yes			Yes			Yes
Satd. Flow (RTOR)		6			2			24			11	
Link Speed (mph)		45			45			55			55	
Link Distance (ft)		820			1184			767			3092	
Travel Time (s)		12.4			17.9			9.5			38.3	
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Heavy Vehicles (%)	2%	3%	9%	3%	4%	0%	8%	0%	0%	0%	3%	2%
Adj. Flow (vph)	74	882	67	66	629	12	36	282	123	20	180	49
Shared Lane Traffic (%)												
Lane Group Flow (vph)	74	949	0	66	641	0	36	405	0	20	229	0
Enter Blocked Intersection	No	No	No	No	No	No	No	No	No	No	No	No
Lane Alignment	Left	Left	Right	Left	Left	Right	Left	Left	Right	Left	Left	Right
Median Width(ft)		12			12			12			12	
Link Offset(ft)		0			0			0			0	
Crosswalk Width(ft)		16			16			16			16	
Two way Left Turn Lane												
Headway Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Turning Speed (mph)	15		9	15		9	15		9	15		9
Number of Detectors	2	2		2	2		2	2		2	2	
Detector Template												
Leading Detector (ft)	49	49		49	49		49	49		49	49	
Trailing Detector (ft)	-1	-1		-1	-1		-1	-1		-1	-1	
Detector 1 Position(ft)	-1	-1		-1	-1		-1	-1		-1	-1	
Detector 1 Size(ft)	20	20		20	20		20	20		20	20	
Detector 1 Type	Cl+Ex	Cl+Ex		Cl+Ex	Cl+Ex		Cl+Ex	Cl+Ex		Cl+Ex	Cl+Ex	
Detector 1 Channel												
Detector 1 Extend (s)	0.0	0.0		0.0	0.0		0.0	0.0		0.0	0.0	
Detector 1 Queue (s)	0.0	0.0		0.0	0.0		0.0	0.0		0.0	0.0	
Detector 1 Delay (s)	0.0	0.0		0.0	0.0		0.0	0.0		0.0	0.0	
Detector 2 Position(ft)	29	29		29	29		29	29		29	29	
Detector 2 Size(ft)	20	20		20	20		20	20		20	20	
Detector 2 Type	Cl+Ex	Cl+Ex		Cl+Ex	Cl+Ex		Cl+Ex	Cl+Ex		Cl+Ex	Cl+Ex	
Detector 2 Channel												
Detector 2 Extend (s)	0.0	0.0		0.0	0.0		0.0	0.0		0.0	0.0	
Turn Type	pm+pt	NA		pm+pt	NA		pm+pt	NA		Perm	NA	
Protected Phases	1	6		5	2		7	4			8	

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NEL	NET	NER	SWL	SWT	SWR
Permitted Phases	6			2			4			8		
Detector Phase	1	6		5	2		7	4		8	8	
Switch Phase												
Minimum Initial (s)	3.0	10.0		6.0	10.0		4.0	6.0		6.0	6.0	
Minimum Split (s)	7.3	28.0		10.3	28.0		8.3	28.0		28.0	28.0	
Total Split (s)	20.0	40.0		20.0	40.0		20.0	60.0		40.0	40.0	
Total Split (%)	16.7%	33.3%		16.7%	33.3%		16.7%	50.0%		33.3%	33.3%	
Maximum Green (s)	15.7	34.0		15.7	34.0		15.7	54.0		34.0	34.0	
Yellow Time (s)	3.2	5.0		3.2	5.0		3.2	5.0		5.0	5.0	
All-Red Time (s)	1.1	1.0		1.1	1.0		1.1	1.0		1.0	1.0	
Lost Time Adjust (s)	0.0	0.0		0.0	0.0		0.0	0.0		0.0	0.0	
Total Lost Time (s)	4.3	6.0		4.3	6.0		4.3	6.0		6.0	6.0	
Lead/Lag	Lead	Lag		Lead	Lag		Lead			Lag	Lag	
Lead-Lag Optimize?	Yes	Yes		Yes	Yes		Yes			Yes	Yes	
Vehicle Extension (s)	3.0	4.0		2.0	4.0		2.0	4.0		4.0	4.0	
Recall Mode	None	None		None	None		None	None		None	None	
Walk Time (s)		7.0			7.0			7.0		7.0	7.0	
Flash Dont Walk (s)		15.0			15.0			15.0		15.0	15.0	
Pedestrian Calls (#/hr)		0			0			0		0	0	
Act Effct Green (s)	38.4	30.9		37.3	30.3		26.2	24.4		18.8	18.8	
Actuated g/C Ratio	0.50	0.40		0.49	0.40		0.34	0.32		0.25	0.25	
v/c Ratio	0.17	0.67		0.22	0.46		0.10	0.67		0.08	0.51	
Control Delay (s/veh)	10.8	23.5		11.8	20.3		19.0	28.6		28.6	31.8	
Queue Delay	0.0	0.0		0.0	0.0		0.0	0.0		0.0	0.0	
Total Delay (s/veh)	10.8	23.5		11.8	20.3		19.0	28.6		28.6	31.8	
LOS	B	C		B	C		B	C		C	C	
Approach Delay (s/veh)		22.6			19.6			27.9			31.6	
Approach LOS		C			B			C			C	

Intersection Summary			
Area Type:	Other		
Cycle Length: 120			
Actuated Cycle Length: 76.4			
Natural Cycle: 75			
Control Type: Actuated-Uncoordinated			
Maximum v/c Ratio: 0.68			
Intersection Signal Delay (s/veh): 23.6		Intersection LOS: C	
Intersection Capacity Utilization 70.4%		ICU Level of Service C	
Analysis Period (min) 15			

Splits and Phases: 2: Millersport Hwy & N French Rd



Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

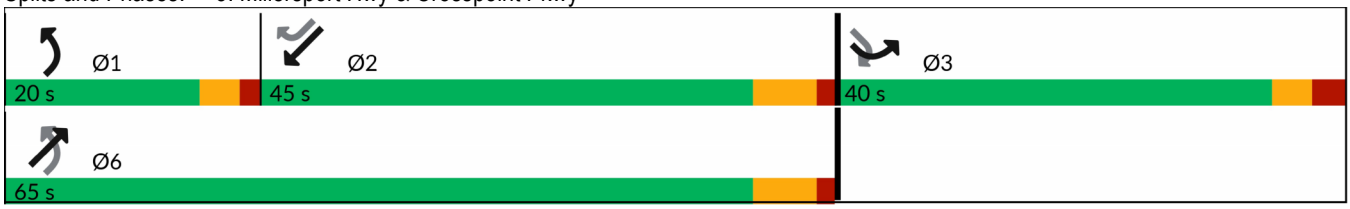
Lane Group	SEL	SER	NEL	NET	SWT	SWR
Lane Configurations						
Traffic Volume (vph)	205	93	27	304	148	45
Future Volume (vph)	205	93	27	304	148	45
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Storage Length (ft)	0	270	375			290
Storage Lanes	1	1	1			1
Taper Length (ft)	25		25			
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00
Frt		0.850				0.850
Flt Protected	0.950		0.950			
Satd. Flow (prot)	1787	1599	1805	1900	1900	1538
Flt Permitted	0.950		0.496			
Satd. Flow (perm)	1787	1599	942	1900	1900	1538
Right Turn on Red		Yes				Yes
Satd. Flow (RTOR)		111				54
Link Speed (mph)	30			55	55	
Link Distance (ft)	433			3092	955	
Travel Time (s)	9.8			38.3	11.8	
Peak Hour Factor	0.84	0.84	0.84	0.84	0.84	0.84
Heavy Vehicles (%)	1%	1%	0%	0%	0%	5%
Adj. Flow (vph)	244	111	32	362	176	54
Shared Lane Traffic (%)						
Lane Group Flow (vph)	244	111	32	362	176	54
Enter Blocked Intersection	No	No	No	No	No	No
Lane Alignment	Left	Right	Left	Left	Left	Right
Median Width(ft)	12			12	12	
Link Offset(ft)	0			0	0	
Crosswalk Width(ft)	16			16	16	
Two way Left Turn Lane						
Headway Factor	1.00	1.00	1.00	1.00	1.00	1.00
Turning Speed (mph)	15	9	15			9
Number of Detectors	2	2	2	2	2	2
Detector Template						
Leading Detector (ft)	49	49	49	49	49	49
Trailing Detector (ft)	-1	-1	-1	-1	-1	-1
Detector 1 Position(ft)	-1	-1	-1	-1	-1	-1
Detector 1 Size(ft)	20	20	20	20	20	20
Detector 1 Type	Cl+Ex	Cl+Ex	Cl+Ex	Cl+Ex	Cl+Ex	Cl+Ex
Detector 1 Channel						
Detector 1 Extend (s)	0.0	0.0	0.0	0.0	0.0	0.0
Detector 1 Queue (s)	0.0	0.0	0.0	0.0	0.0	0.0
Detector 1 Delay (s)	0.0	0.0	0.0	0.0	0.0	0.0
Detector 2 Position(ft)	29	29	29	29	29	29
Detector 2 Size(ft)	20	20	20	20	20	20
Detector 2 Type	Cl+Ex	Cl+Ex	Cl+Ex	Cl+Ex	Cl+Ex	Cl+Ex
Detector 2 Channel						
Detector 2 Extend (s)	0.0	0.0	0.0	0.0	0.0	0.0
Turn Type	Prot	Perm	pm+pt	NA	NA	Perm
Protected Phases	3		1	6	2	

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

Lane Group	SEL	SER	NEL	NET	SWT	SWR
Permitted Phases		3	6			2
Detector Phase	3	3	1	6	2	2
Switch Phase						
Minimum Initial (s)	6.0	6.0	6.0	15.0	15.0	15.0
Minimum Split (s)	11.8	11.8	10.7	21.4	28.4	28.4
Total Split (s)	40.0	40.0	20.0	65.0	45.0	45.0
Total Split (%)	38.1%	38.1%	19.0%	61.9%	42.9%	42.9%
Maximum Green (s)	34.2	34.2	15.3	58.6	38.6	38.6
Yellow Time (s)	3.2	3.2	3.2	5.0	5.0	5.0
All-Red Time (s)	2.6	2.6	1.5	1.4	1.4	1.4
Lost Time Adjust (s)	0.0	0.0	0.0	0.0	0.0	0.0
Total Lost Time (s)	5.8	5.8	4.7	6.4	6.4	6.4
Lead/Lag			Lead		Lag	Lag
Lead-Lag Optimize?			Yes		Yes	Yes
Vehicle Extension (s)	3.0	3.0	3.0	3.0	3.0	3.0
Recall Mode	None	None	None	Min	Min	Min
Walk Time (s)					7.0	7.0
Flash Dont Walk (s)					15.0	15.0
Pedestrian Calls (#/hr)					0	0
Act Effct Green (s)	11.6	11.6	21.0	19.2	15.6	15.6
Actuated g/C Ratio	0.27	0.27	0.48	0.44	0.36	0.36
v/c Ratio	0.51	0.21	0.05	0.43	0.25	0.09
Control Delay (s/veh)	18.7	5.1	6.6	10.5	14.1	5.9
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay (s/veh)	18.7	5.1	6.6	10.5	14.1	5.9
LOS	B	A	A	B	B	A
Approach Delay (s/veh)	14.5			10.2	12.2	
Approach LOS	B			B	B	

Intersection Summary			
Area Type:	Other		
Cycle Length: 105			
Actuated Cycle Length: 43.5			
Natural Cycle: 60			
Control Type: Actuated-Uncoordinated			
Maximum v/c Ratio: 0.51			
Intersection Signal Delay (s/veh): 12.2		Intersection LOS: B	
Intersection Capacity Utilization 42.9%		ICU Level of Service A	
Analysis Period (min) 15			

Splits and Phases: 3: Millersport Hwy & Crosspoint Pkwy



Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

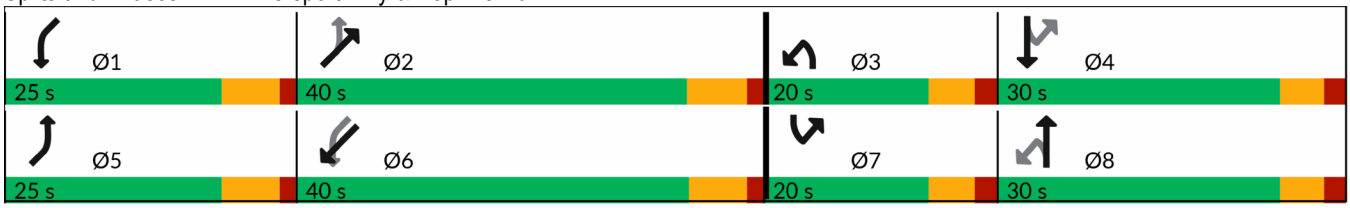
Lane Group	NBL	NBT	NBR	SBL	SBT	SBR	NEL	NET	NER	SWL	SWT	SWR
Lane Configurations												
Traffic Volume (vph)	14	23	147	1	23	14	22	400	81	95	166	7
Future Volume (vph)	14	23	147	1	23	14	22	400	81	95	166	7
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Storage Length (ft)	200		0	150		0	200		0	200		0
Storage Lanes	1		0	1		0	1		0	1		0
Taper Length (ft)	25			25			25			25		
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Frt		0.870			0.943			0.975			0.994	
Flt Protected	0.950			0.950			0.950			0.950		
Satd. Flow (prot)	1805	1606	0	1805	1745	0	1805	1837	0	1770	1836	0
Flt Permitted	0.709			0.571			0.635			0.299		
Satd. Flow (perm)	1347	1606	0	1085	1745	0	1206	1837	0	557	1836	0
Right Turn on Red			Yes			Yes			Yes			Yes
Satd. Flow (RTOR)		165			16			9			2	
Link Speed (mph)		40			40			55			55	
Link Distance (ft)		632			661			955			1422	
Travel Time (s)		10.8			11.3			11.8			17.6	
Peak Hour Factor	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89
Heavy Vehicles (%)	0%	9%	2%	0%	0%	7%	0%	1%	0%	2%	3%	0%
Adj. Flow (vph)	16	26	165	1	26	16	25	449	91	107	187	8
Shared Lane Traffic (%)												
Lane Group Flow (vph)	16	191	0	1	42	0	25	540	0	107	195	0
Enter Blocked Intersection	No	No	No	No	No	No	No	No	No	No	No	No
Lane Alignment	Left	Left	Right	Left	Left	Right	Left	Left	Right	Left	Left	Right
Median Width(ft)		12			12			12			12	
Link Offset(ft)		0			0			0			0	
Crosswalk Width(ft)		16			16			16			16	
Two way Left Turn Lane												
Headway Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Turning Speed (mph)	15		9	15		9	15		9	15		9
Number of Detectors	1	2		1	2		1	2		1	2	
Detector Template	Left	Thru		Left	Thru		Left	Thru		Left	Thru	
Leading Detector (ft)	20	100		20	100		20	100		20	100	
Trailing Detector (ft)	0	0		0	0		0	0		0	0	
Detector 1 Position(ft)	0	0		0	0		0	0		0	0	
Detector 1 Size(ft)	20	6		20	6		20	6		20	6	
Detector 1 Type	Cl+Ex	Cl+Ex		Cl+Ex	Cl+Ex		Cl+Ex	Cl+Ex		Cl+Ex	Cl+Ex	
Detector 1 Channel												
Detector 1 Extend (s)	0.0	0.0		0.0	0.0		0.0	0.0		0.0	0.0	
Detector 1 Queue (s)	0.0	0.0		0.0	0.0		0.0	0.0		0.0	0.0	
Detector 1 Delay (s)	0.0	0.0		0.0	0.0		0.0	0.0		0.0	0.0	
Detector 2 Position(ft)		94			94			94			94	
Detector 2 Size(ft)		6			6			6			6	
Detector 2 Type		Cl+Ex			Cl+Ex			Cl+Ex			Cl+Ex	
Detector 2 Channel												
Detector 2 Extend (s)		0.0			0.0			0.0			0.0	
Turn Type	pm+pt	NA		pm+pt	NA		pm+pt	NA		pm+pt	NA	
Protected Phases	3	8		7	4		5	2		1	6	

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

Lane Group	NBL	NBT	NBR	SBL	SBT	SBR	NEL	NET	NER	SWL	SWT	SWR
Permitted Phases	8			4			2			6		
Detector Phase	3	8		7	4		5	2		1	6	
Switch Phase												
Minimum Initial (s)	3.0	6.0		3.0	6.0		3.0	10.0		3.0	10.0	
Minimum Split (s)	8.7	23.7		8.7	23.7		9.4	24.4		9.3	24.3	
Total Split (s)	20.0	30.0		20.0	30.0		25.0	40.0		25.0	40.0	
Total Split (%)	17.4%	26.1%		17.4%	26.1%		21.7%	34.8%		21.7%	34.8%	
Maximum Green (s)	14.3	24.3		14.3	24.3		18.6	33.6		18.7	33.7	
Yellow Time (s)	3.9	3.9		3.9	3.9		5.0	5.0		5.0	5.0	
All-Red Time (s)	1.8	1.8		1.8	1.8		1.4	1.4		1.3	1.3	
Lost Time Adjust (s)	0.0	0.0		0.0	0.0		0.0	0.0		0.0	0.0	
Total Lost Time (s)	5.7	5.7		5.7	5.7		6.4	6.4		6.3	6.3	
Lead/Lag	Lead	Lag		Lead	Lag		Lead	Lag		Lead	Lag	
Lead-Lag Optimize?	Yes	Yes		Yes	Yes		Yes	Yes		Yes	Yes	
Vehicle Extension (s)	1.5	1.3		1.5	1.3		1.5	1.3		1.5	1.3	
Recall Mode	None	None		None	None		None	None		None	None	
Act Effct Green (s)	7.9	7.1		7.6	7.0		31.4	27.9		35.9	33.6	
Actuated g/C Ratio	0.14	0.12		0.13	0.12		0.54	0.48		0.61	0.57	
v/c Ratio	0.07	0.56		0.00	0.19		0.03	0.61		0.23	0.18	
Control Delay (s/veh)	24.0	14.8		23.0	22.4		5.5	16.9		6.0	8.9	
Queue Delay	0.0	0.0		0.0	0.0		0.0	0.0		0.0	0.0	
Total Delay (s/veh)	24.0	14.8		23.0	22.4		5.5	16.9		6.0	8.9	
LOS	C	B		C	C		A	B		A	A	
Approach Delay (s/veh)		15.5			22.4			16.4			7.9	
Approach LOS		B			C			B			A	

Intersection Summary			
Area Type:	Other		
Cycle Length: 115			
Actuated Cycle Length: 58.5			
Natural Cycle: 75			
Control Type: Actuated-Uncoordinated			
Maximum v/c Ratio: 0.61			
Intersection Signal Delay (s/veh): 14.2		Intersection LOS: B	
Intersection Capacity Utilization 56.8%		ICU Level of Service B	
Analysis Period (min) 15			

Splits and Phases: 4: Millersport Hwy & Hopkins Rd



Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

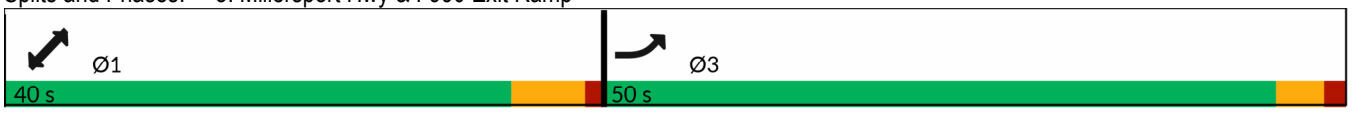
Lane Group	EBL	EBR	NEL	NET	SWT	SWR
Lane Configurations						
Traffic Volume (vph)	1380	49	0	554	219	0
Future Volume (vph)	1380	49	0	554	219	0
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Storage Length (ft)	0	485	0			0
Storage Lanes	2	1	0			0
Taper Length (ft)	25		25			
Lane Util. Factor	0.97	0.95	1.00	0.95	0.95	1.00
Frt	0.995					
Flt Protected	0.954					
Satd. Flow (prot)	3430	0	0	3574	3539	0
Flt Permitted	0.954					
Satd. Flow (perm)	3430	0	0	3574	3539	0
Right Turn on Red		Yes				Yes
Satd. Flow (RTOR)	6					
Link Speed (mph)	30			55	55	
Link Distance (ft)	749			300	334	
Travel Time (s)	17.0			3.7	4.1	
Peak Hour Factor	0.93	0.93	0.93	0.93	0.93	0.93
Heavy Vehicles (%)	2%	2%	0%	1%	2%	0%
Adj. Flow (vph)	1484	53	0	596	235	0
Shared Lane Traffic (%)						
Lane Group Flow (vph)	1537	0	0	596	235	0
Enter Blocked Intersection	No	No	No	No	No	No
Lane Alignment	Left	Right	Left	Left	Left	Right
Median Width(ft)	24			12	12	
Link Offset(ft)	0			0	0	
Crosswalk Width(ft)	16			16	16	
Two way Left Turn Lane						
Headway Factor	1.00	1.00	1.00	1.00	1.00	1.00
Turning Speed (mph)	15	9	15			9
Number of Detectors	2			2	2	
Detector Template						
Leading Detector (ft)	49			49	49	
Trailing Detector (ft)	-1			-1	-1	
Detector 1 Position(ft)	-1			-1	-1	
Detector 1 Size(ft)	20			20	20	
Detector 1 Type	Cl+Ex			Cl+Ex	Cl+Ex	
Detector 1 Channel						
Detector 1 Extend (s)	0.0			0.0	0.0	
Detector 1 Queue (s)	0.0			0.0	0.0	
Detector 1 Delay (s)	0.0			0.0	0.0	
Detector 2 Position(ft)	29			29	29	
Detector 2 Size(ft)	20			20	20	
Detector 2 Type	Cl+Ex			Cl+Ex	Cl+Ex	
Detector 2 Channel						
Detector 2 Extend (s)	0.0			0.0	0.0	
Turn Type	Prot			NA	NA	
Protected Phases	3			1	1	

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

Lane Group	EBL	EBR	NEL	NET	SWT	SWR
Permitted Phases						
Detector Phase	3			1	1	
Switch Phase						
Minimum Initial (s)	6.0			10.0	10.0	
Minimum Split (s)	22.7			24.0	24.0	
Total Split (s)	50.0			40.0	40.0	
Total Split (%)	55.6%			44.4%	44.4%	
Maximum Green (s)	45.3			34.0	34.0	
Yellow Time (s)	3.2			5.0	5.0	
All-Red Time (s)	1.5			1.0	1.0	
Lost Time Adjust (s)	0.0			0.0	0.0	
Total Lost Time (s)	4.7			6.0	6.0	
Lead/Lag						
Lead-Lag Optimize?						
Vehicle Extension (s)	4.0			4.0	4.0	
Recall Mode	None			Min	Min	
Act Effct Green (s)	40.4			19.9	19.9	
Actuated g/C Ratio	0.57			0.28	0.28	
v/c Ratio	0.79			0.59	0.23	
Control Delay (s/veh)	16.3			25.5	21.2	
Queue Delay	0.0			0.0	0.0	
Total Delay (s/veh)	16.3			25.5	21.2	
LOS	B			C	C	
Approach Delay (s/veh)	16.4			25.5	21.2	
Approach LOS	B			C	C	

Intersection Summary			
Area Type:	Other		
Cycle Length: 90			
Actuated Cycle Length: 71.4			
Natural Cycle: 60			
Control Type: Actuated-Uncoordinated			
Maximum v/c Ratio: 0.79			
Intersection Signal Delay (s/veh): 19.2		Intersection LOS: B	
Intersection Capacity Utilization 100.3%		ICU Level of Service G	
Analysis Period (min) 15			

Splits and Phases: 5: Millersport Hwy & I-990 Exit Ramp



Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

Lane Group	EBL	EBR	NEL	NET	SWT	SWR
Lane Configurations						
Traffic Volume (vph)	0	0	64	1875	199	814
Future Volume (vph)	0	0	64	1875	199	814
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Storage Length (ft)	0	0	180			0
Storage Lanes	0	0	1			0
Taper Length (ft)	25		25			
Lane Util. Factor	1.00	1.00	1.00	0.95	0.95	0.95
Frt					0.879	
Flt Protected			0.950			
Satd. Flow (prot)	0	0	1770	3539	3087	0
Flt Permitted			0.950			
Satd. Flow (perm)	0	0	1770	3539	3087	0
Link Speed (mph)	30			55	55	
Link Distance (ft)	582			334	540	
Travel Time (s)	13.2			4.1	6.7	
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95
Heavy Vehicles (%)	0%	0%	2%	2%	2%	3%
Adj. Flow (vph)	0	0	67	1974	209	857
Shared Lane Traffic (%)						
Lane Group Flow (vph)	0	0	67	1974	1066	0
Enter Blocked Intersection	No	No	No	No	No	No
Lane Alignment	Left	Right	Left	Left	Left	Right
Median Width(ft)	0			12	12	
Link Offset(ft)	0			0	0	
Crosswalk Width(ft)	16			16	16	
Two way Left Turn Lane						
Headway Factor	1.00	1.00	1.00	1.00	1.00	1.00
Turning Speed (mph)	15	9	15			15
Sign Control	Free			Free	Free	

Intersection Summary			
Area Type:	Other		
Control Type: Unsignalized			
Intersection Capacity Utilization	100.3%	ICU Level of Service	G
Analysis Period (min)	15		

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

Lane Group	SEL	SET	NWT	NWR	SWL	SWR
Lane Configurations						
Traffic Volume (vph)	4	197	42	30	101	21
Future Volume (vph)	4	197	42	30	101	21
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00
Frt			0.944			0.850
Flt Protected		0.999			0.950	
Satd. Flow (prot)	0	1861	1748	0	1770	1583
Flt Permitted		0.999			0.950	
Satd. Flow (perm)	0	1861	1748	0	1770	1583
Link Speed (mph)		30	30		30	
Link Distance (ft)		228	433		213	
Travel Time (s)		5.2	9.8		4.8	
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92
Heavy Vehicles (%)	2%	2%	3%	2%	2%	2%
Adj. Flow (vph)	4	214	46	33	110	23
Shared Lane Traffic (%)						
Lane Group Flow (vph)	0	218	79	0	110	23
Enter Blocked Intersection	No	No	No	No	No	No
Lane Alignment	Left	Left	Left	Right	Left	Right
Median Width(ft)		0	0		0	
Link Offset(ft)		0	0		0	
Crosswalk Width(ft)		16	16		16	
Two way Left Turn Lane						
Headway Factor	1.00	1.00	1.00	1.00	1.00	1.00
Turning Speed (mph)	15			9	15	9
Sign Control		Free	Free		Stop	

Intersection Summary			
Area Type:	Other		
Control Type: Unsignalized			
Intersection Capacity Utilization 25.8%		ICU Level of Service A	
Analysis Period (min) 15			

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

Intersection	
Int Delay, s/veh	3.4

Movement	SEL	SET	NWT	NWR	SWL	SWR
Lane Configurations						
Traffic Vol, veh/h	4	197	42	30	101	21
Future Vol, veh/h	4	197	42	30	101	21
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	-	-
Veh in Median Storage, #	-	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	2	2	3	2	2	2
Mvmt Flow	4	214	46	33	110	23

Major/Minor	Major1		Major2		Minor2	
Conflicting Flow All	78	0	-	0	285	62
Stage 1	-	-	-	-	62	-
Stage 2	-	-	-	-	223	-
Critical Hdwy	4.12	-	-	-	6.42	6.22
Critical Hdwy Stg 1	-	-	-	-	5.42	-
Critical Hdwy Stg 2	-	-	-	-	5.42	-
Follow-up Hdwy	2.218	-	-	-	3.518	3.318
Pot Cap-1 Maneuver	1520	-	-	-	705	1003
Stage 1	-	-	-	-	961	-
Stage 2	-	-	-	-	814	-
Platoon blocked, %			-	-	-	
Mov Cap-1 Maneuver	1520	-	-	-	703	1003
Mov Cap-2 Maneuver	-	-	-	-	703	-
Stage 1	-	-	-	-	958	-
Stage 2	-	-	-	-	814	-

Approach	SE	NW	SW
HCM Control Delay, s/v	0.15	0	10.65
HCM LOS			B

Minor Lane/Major Mvmt	NWT	NWR	SEL	SET	SWLn1	SWLn2
Capacity (veh/h)	-	-	36	-	703	1003
HCM Lane V/C Ratio	-	-	0.003	-	0.156	0.023
HCM Control Delay (s/veh)	-	-	7.4	0	11.1	8.7
HCM Lane LOS	-	-	A	A	B	A
HCM 95th %tile Q(veh)	-	-	0	-	0.6	0.1

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

SimTraffic Performance Report
2025 Background PM

09/13/2024

6: Millersport Hwy & I-990 Entrance Ramp Performance by lane

Lane	NE	NE	NE	SW	SW	All
Movements Served	L	T	T	T	TR	
Denied Delay (hr)						0.1
Denied Del/Veh (s)						0.2
Total Delay (hr)	0.0	0.6	0.6	0.2	0.7	2.1
Total Del/Veh (s)	2.6	2.3	2.1	3.0	3.2	2.5
Stop Delay (hr)	0.0	0.0	0.0	0.0	0.0	0.1
Stop Del/Veh (s)	0.9	0.1	0.1	0.0	0.0	0.1

Total Zone Performance

Denied Delay (hr)	0.1
Denied Del/Veh (s)	0.4
Total Delay (hr)	2.1
Total Del/Veh (s)	340.5
Stop Delay (hr)	0.1
Stop Del/Veh (s)	9.7

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

Queuing and Blocking Report
2025 Background PM

09/13/2024

Intersection: 6: Millersport Hwy & I-990 Entrance Ramp

Movement	NE	SW
Directions Served	L	TR
Maximum Queue (ft)	49	7
Average Queue (ft)	13	0
95th Queue (ft)	40	6
Link Distance (ft)		519
Upstream Blk Time (%)		
Queuing Penalty (veh)		
Storage Bay Dist (ft)	180	
Storage Blk Time (%)		
Queuing Penalty (veh)		

Zone Summary

Zone wide Queuing Penalty: 0

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

APPENDIX E: LOS CALCULATIONS – FULL BUILD CONDITIONS

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

Lanes, Volumes, Timings
1: N French Rd & Crosspoint Pkwy

North French Rd Mixed Use Development
2025 Full Build AM

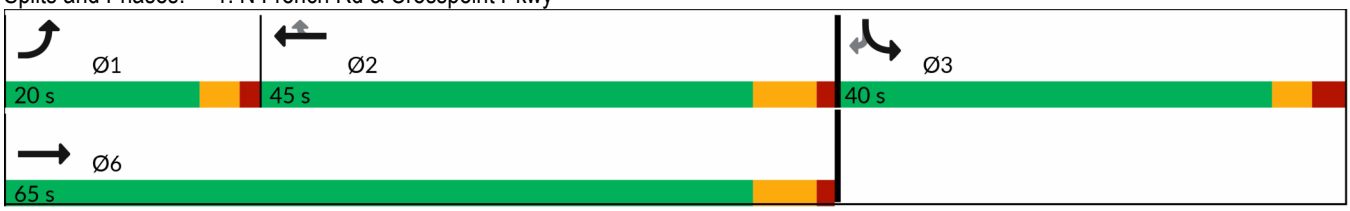
Lane Group	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Volume (vph)	453	681	581	116	54	98
Future Volume (vph)	453	681	581	116	54	98
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Storage Length (ft)	205			150	0	210
Storage Lanes	2			1	1	1
Taper Length (ft)	25				25	
Lane Util. Factor	0.97	0.95	0.95	1.00	1.00	0.88
Frt				0.850		0.850
Flt Protected	0.950				0.950	
Satd. Flow (prot)	3502	3505	3471	1583	1641	2707
Flt Permitted	0.950				0.950	
Satd. Flow (perm)	3502	3505	3471	1583	1641	2707
Right Turn on Red				Yes		Yes
Satd. Flow (RTOR)				135		114
Link Speed (mph)		45	45		30	
Link Distance (ft)		569	820		717	
Travel Time (s)		8.6	12.4		16.3	
Peak Hour Factor	0.86	0.86	0.86	0.86	0.86	0.86
Heavy Vehicles (%)	0%	3%	4%	2%	10%	5%
Adj. Flow (vph)	527	792	676	135	63	114
Shared Lane Traffic (%)						
Lane Group Flow (vph)	527	792	676	135	63	114
Enter Blocked Intersection	No	No	No	No	No	No
Lane Alignment	Left	Left	Left	Right	Left	Right
Median Width(ft)		24	24		12	
Link Offset(ft)		0	0		0	
Crosswalk Width(ft)		16	16		16	
Two way Left Turn Lane						
Headway Factor	1.00	1.00	1.00	1.00	1.00	1.00
Turning Speed (mph)	15			9	15	9
Number of Detectors	2	2	2	2	2	2
Detector Template						
Leading Detector (ft)	49	49	49	49	49	49
Trailing Detector (ft)	-1	-1	-1	-1	-1	-1
Detector 1 Position(ft)	-1	-1	-1	-1	-1	-1
Detector 1 Size(ft)	20	20	20	20	20	20
Detector 1 Type	Cl+Ex	Cl+Ex	Cl+Ex	Cl+Ex	Cl+Ex	Cl+Ex
Detector 1 Channel						
Detector 1 Extend (s)	0.0	0.0	0.0	0.0	0.0	0.0
Detector 1 Queue (s)	0.0	0.0	0.0	0.0	0.0	0.0
Detector 1 Delay (s)	0.0	0.0	0.0	0.0	0.0	0.0
Detector 2 Position(ft)	29	29	29	29	29	29
Detector 2 Size(ft)	20	20	20	20	20	20
Detector 2 Type	Cl+Ex	Cl+Ex	Cl+Ex	Cl+Ex	Cl+Ex	Cl+Ex
Detector 2 Channel						
Detector 2 Extend (s)	0.0	0.0	0.0	0.0	0.0	0.0
Turn Type	Prot	NA	NA	Perm	Prot	Perm
Protected Phases	1	6	2		3	

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

Lane Group	EBL	EBT	WBT	WBR	SBL	SBR
Permitted Phases				2		3
Detector Phase	1	6	2	2	3	3
Switch Phase						
Minimum Initial (s)	6.0	15.0	15.0	15.0	6.0	6.0
Minimum Split (s)	10.7	21.4	21.4	21.4	11.8	11.8
Total Split (s)	20.0	65.0	45.0	45.0	40.0	40.0
Total Split (%)	19.0%	61.9%	42.9%	42.9%	38.1%	38.1%
Maximum Green (s)	15.3	58.6	38.6	38.6	34.2	34.2
Yellow Time (s)	3.2	5.0	5.0	5.0	3.2	3.2
All-Red Time (s)	1.5	1.4	1.4	1.4	2.6	2.6
Lost Time Adjust (s)	0.0	0.0	0.0	0.0	0.0	0.0
Total Lost Time (s)	4.7	6.4	6.4	6.4	5.8	5.8
Lead/Lag	Lead		Lag	Lag		
Lead-Lag Optimize?	Yes		Yes	Yes		
Vehicle Extension (s)	3.0	3.0	3.0	3.0	3.0	3.0
Recall Mode	None	Min	Min	Min	None	None
Walk Time (s)			7.0	7.0		
Flash Dont Walk (s)			15.0	15.0		
Pedestrian Calls (#/hr)			0	0		
Act Effct Green (s)	15.7	40.3	18.1	18.1	8.0	8.0
Actuated g/C Ratio	0.28	0.72	0.32	0.32	0.14	0.14
v/c Ratio	0.53	0.31	0.60	0.22	0.26	0.23
Control Delay (s/veh)	21.4	4.6	19.3	4.4	26.5	7.2
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay (s/veh)	21.4	4.6	19.3	4.4	26.5	7.2
LOS	C	A	B	A	C	A
Approach Delay (s/veh)		11.4	16.9		14.1	
Approach LOS		B	B		B	

Intersection Summary			
Area Type:	Other		
Cycle Length: 105			
Actuated Cycle Length: 55.9			
Natural Cycle: 50			
Control Type: Actuated-Uncoordinated			
Maximum v/c Ratio: 0.60			
Intersection Signal Delay (s/veh): 13.5		Intersection LOS: B	
Intersection Capacity Utilization 48.1%		ICU Level of Service A	
Analysis Period (min) 15			

Splits and Phases: 1: N French Rd & Crosspoint Pkwy



Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

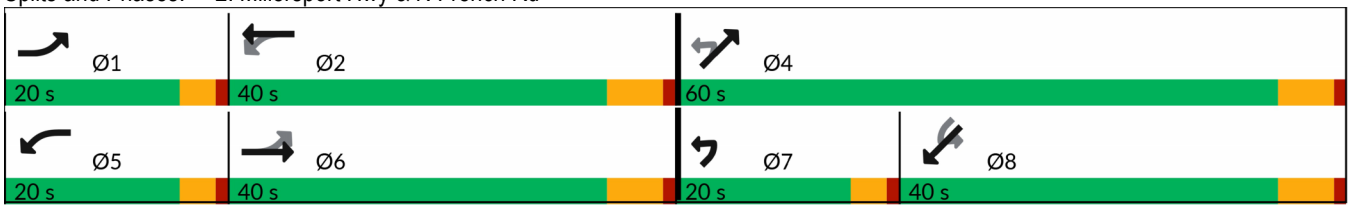
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NEL	NET	NER	SWL	SWT	SWR
Lane Configurations												
Traffic Volume (vph)	89	615	28	156	615	62	53	156	60	16	183	21
Future Volume (vph)	89	615	28	156	615	62	53	156	60	16	183	21
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Storage Length (ft)	235		0	375		0	195		0	170		0
Storage Lanes	1		0	1		0	1		0	1		0
Taper Length (ft)	25			25			25			25		
Lane Util. Factor	1.00	0.95	0.95	1.00	0.95	0.95	1.00	1.00	1.00	1.00	1.00	1.00
Frt		0.994			0.986			0.959			0.984	
Flt Protected	0.950			0.950			0.950			0.950		
Satd. Flow (prot)	1787	3406	0	1703	3367	0	1671	1678	0	1671	1812	0
Flt Permitted	0.322			0.229			0.413			0.612		
Satd. Flow (perm)	606	3406	0	410	3367	0	727	1678	0	1077	1812	0
Right Turn on Red			Yes			Yes			Yes			Yes
Satd. Flow (RTOR)		4			9			21			5	
Link Speed (mph)		45			45			55			55	
Link Distance (ft)		820			1184			767			3092	
Travel Time (s)		12.4			17.9			9.5			38.3	
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Heavy Vehicles (%)	1%	5%	13%	6%	6%	3%	8%	10%	5%	8%	3%	5%
Adj. Flow (vph)	97	668	30	170	668	67	58	170	65	17	199	23
Shared Lane Traffic (%)												
Lane Group Flow (vph)	97	698	0	170	735	0	58	235	0	17	222	0
Enter Blocked Intersection	No	No	No	No	No	No	No	No	No	No	No	No
Lane Alignment	Left	Left	Right	Left	Left	Right	Left	Left	Right	Left	Left	Right
Median Width(ft)		12			12			12			12	
Link Offset(ft)		0			0			0			0	
Crosswalk Width(ft)		16			16			16			16	
Two way Left Turn Lane												
Headway Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Turning Speed (mph)	15		9	15		9	15		9	15		9
Number of Detectors	2	2		2	2		2	2		2	2	
Detector Template												
Leading Detector (ft)	49	49		49	49		49	49		49	49	
Trailing Detector (ft)	-1	-1		-1	-1		-1	-1		-1	-1	
Detector 1 Position(ft)	-1	-1		-1	-1		-1	-1		-1	-1	
Detector 1 Size(ft)	20	20		20	20		20	20		20	20	
Detector 1 Type	Cl+Ex	Cl+Ex		Cl+Ex	Cl+Ex		Cl+Ex	Cl+Ex		Cl+Ex	Cl+Ex	
Detector 1 Channel												
Detector 1 Extend (s)	0.0	0.0		0.0	0.0		0.0	0.0		0.0	0.0	
Detector 1 Queue (s)	0.0	0.0		0.0	0.0		0.0	0.0		0.0	0.0	
Detector 1 Delay (s)	0.0	0.0		0.0	0.0		0.0	0.0		0.0	0.0	
Detector 2 Position(ft)	29	29		29	29		29	29		29	29	
Detector 2 Size(ft)	20	20		20	20		20	20		20	20	
Detector 2 Type	Cl+Ex	Cl+Ex		Cl+Ex	Cl+Ex		Cl+Ex	Cl+Ex		Cl+Ex	Cl+Ex	
Detector 2 Channel												
Detector 2 Extend (s)	0.0	0.0		0.0	0.0		0.0	0.0		0.0	0.0	
Turn Type	pm+pt	NA		pm+pt	NA		pm+pt	NA		Perm	NA	
Protected Phases	1	6		5	2		7	4			8	

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NEL	NET	NER	SWL	SWT	SWR
Permitted Phases	6			2			4			8		
Detector Phase	1	6		5	2		7	4		8	8	
Switch Phase												
Minimum Initial (s)	3.0	10.0		6.0	10.0		4.0	6.0		6.0	6.0	
Minimum Split (s)	7.3	28.0		10.3	28.0		8.3	28.0		28.0	28.0	
Total Split (s)	20.0	40.0		20.0	40.0		20.0	60.0		40.0	40.0	
Total Split (%)	16.7%	33.3%		16.7%	33.3%		16.7%	50.0%		33.3%	33.3%	
Maximum Green (s)	15.7	34.0		15.7	34.0		15.7	54.0		34.0	34.0	
Yellow Time (s)	3.2	5.0		3.2	5.0		3.2	5.0		5.0	5.0	
All-Red Time (s)	1.1	1.0		1.1	1.0		1.1	1.0		1.0	1.0	
Lost Time Adjust (s)	0.0	0.0		0.0	0.0		0.0	0.0		0.0	0.0	
Total Lost Time (s)	4.3	6.0		4.3	6.0		4.3	6.0		6.0	6.0	
Lead/Lag	Lead	Lag		Lead	Lag		Lead			Lag	Lag	
Lead-Lag Optimize?	Yes	Yes		Yes	Yes		Yes			Yes	Yes	
Vehicle Extension (s)	3.0	4.0		2.0	4.0		2.0	4.0		4.0	4.0	
Recall Mode	None	None		None	None		None	None		None	None	
Walk Time (s)		7.0			7.0			7.0		7.0	7.0	
Flash Dont Walk (s)		15.0			15.0			15.0		15.0	15.0	
Pedestrian Calls (#/hr)		0			0			0		0	0	
Act Effct Green (s)	33.2	23.2		38.7	28.8		27.2	25.4		16.5	16.5	
Actuated g/C Ratio	0.43	0.30		0.51	0.38		0.36	0.33		0.22	0.22	
v/c Ratio	0.24	0.67		0.44	0.57		0.16	0.41		0.07	0.56	
Control Delay (s/veh)	13.0	28.1		15.2	23.7		18.9	21.0		29.5	35.3	
Queue Delay	0.0	0.0		0.0	0.0		0.0	0.0		0.0	0.0	
Total Delay (s/veh)	13.0	28.1		15.2	23.7		18.9	21.0		29.5	35.3	
LOS	B	C		B	C		B	C		C	D	
Approach Delay (s/veh)		26.3			22.2			20.6			34.9	
Approach LOS		C			C			C			C	

Intersection Summary			
Area Type:	Other		
Cycle Length: 120			
Actuated Cycle Length: 76.5			
Natural Cycle: 75			
Control Type: Actuated-Uncoordinated			
Maximum v/c Ratio: 0.67			
Intersection Signal Delay (s/veh): 24.8		Intersection LOS: C	
Intersection Capacity Utilization 62.0%		ICU Level of Service B	
Analysis Period (min) 15			

Splits and Phases: 2: Millersport Hwy & N French Rd



Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

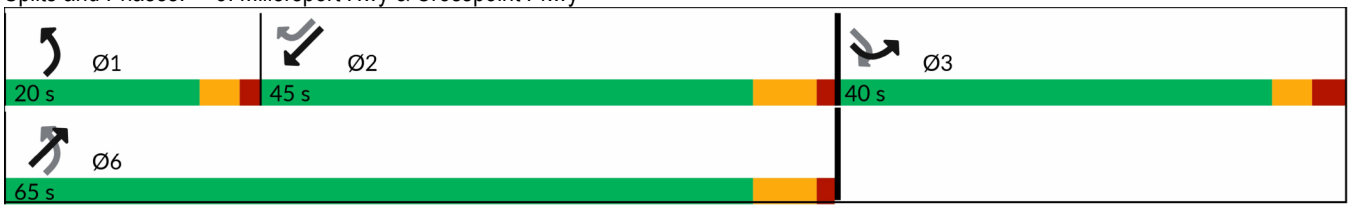
Lane Group	SEL	SER	NEL	NET	SWT	SWR
Lane Configurations						
Traffic Volume (vph)	41	30	190	96	196	356
Future Volume (vph)	41	30	190	96	196	356
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Storage Length (ft)	0	270	375			290
Storage Lanes	1	1	1			1
Taper Length (ft)	25		25			
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00
Frt		0.850				0.850
Flt Protected	0.950		0.950			
Satd. Flow (prot)	1671	1615	1805	1759	1863	1599
Flt Permitted	0.950		0.482			
Satd. Flow (perm)	1671	1615	916	1759	1863	1599
Right Turn on Red		Yes				Yes
Satd. Flow (RTOR)		34				409
Link Speed (mph)	30			55	55	
Link Distance (ft)	433			3092	916	
Travel Time (s)	9.8			38.3	11.4	
Peak Hour Factor	0.87	0.87	0.87	0.87	0.87	0.87
Heavy Vehicles (%)	8%	0%	0%	8%	2%	1%
Adj. Flow (vph)	47	34	218	110	225	409
Shared Lane Traffic (%)						
Lane Group Flow (vph)	47	34	218	110	225	409
Enter Blocked Intersection	No	No	No	No	No	No
Lane Alignment	Left	Right	Left	Left	Left	Right
Median Width(ft)	12			12	12	
Link Offset(ft)	0			0	0	
Crosswalk Width(ft)	16			16	16	
Two way Left Turn Lane						
Headway Factor	1.00	1.00	1.00	1.00	1.00	1.00
Turning Speed (mph)	15	9	15			9
Number of Detectors	2	2	2	2	2	2
Detector Template						
Leading Detector (ft)	49	49	49	49	49	49
Trailing Detector (ft)	-1	-1	-1	-1	-1	-1
Detector 1 Position(ft)	-1	-1	-1	-1	-1	-1
Detector 1 Size(ft)	20	20	20	20	20	20
Detector 1 Type	Cl+Ex	Cl+Ex	Cl+Ex	Cl+Ex	Cl+Ex	Cl+Ex
Detector 1 Channel						
Detector 1 Extend (s)	0.0	0.0	0.0	0.0	0.0	0.0
Detector 1 Queue (s)	0.0	0.0	0.0	0.0	0.0	0.0
Detector 1 Delay (s)	0.0	0.0	0.0	0.0	0.0	0.0
Detector 2 Position(ft)	29	29	29	29	29	29
Detector 2 Size(ft)	20	20	20	20	20	20
Detector 2 Type	Cl+Ex	Cl+Ex	Cl+Ex	Cl+Ex	Cl+Ex	Cl+Ex
Detector 2 Channel						
Detector 2 Extend (s)	0.0	0.0	0.0	0.0	0.0	0.0
Turn Type	Prot	Perm	pm+pt	NA	NA	Perm
Protected Phases	3		1	6	2	

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

Lane Group	SEL	SER	NEL	NET	SWT	SWR
Permitted Phases		3	6			2
Detector Phase	3	3	1	6	2	2
Switch Phase						
Minimum Initial (s)	6.0	6.0	6.0	15.0	15.0	15.0
Minimum Split (s)	11.8	11.8	10.7	21.4	28.4	28.4
Total Split (s)	40.0	40.0	20.0	65.0	45.0	45.0
Total Split (%)	38.1%	38.1%	19.0%	61.9%	42.9%	42.9%
Maximum Green (s)	34.2	34.2	15.3	58.6	38.6	38.6
Yellow Time (s)	3.2	3.2	3.2	5.0	5.0	5.0
All-Red Time (s)	2.6	2.6	1.5	1.4	1.4	1.4
Lost Time Adjust (s)	0.0	0.0	0.0	0.0	0.0	0.0
Total Lost Time (s)	5.8	5.8	4.7	6.4	6.4	6.4
Lead/Lag			Lead		Lag	Lag
Lead-Lag Optimize?			Yes		Yes	Yes
Vehicle Extension (s)	3.0	3.0	3.0	3.0	3.0	3.0
Recall Mode	None	None	None	Min	Min	Min
Walk Time (s)					7.0	7.0
Flash Dont Walk (s)					15.0	15.0
Pedestrian Calls (#/hr)					0	0
Act Effct Green (s)	7.2	7.2	31.1	32.6	16.4	16.4
Actuated g/C Ratio	0.17	0.17	0.72	0.76	0.38	0.38
v/c Ratio	0.16	0.11	0.26	0.08	0.31	0.47
Control Delay (s/veh)	19.4	9.0	4.2	4.2	13.6	4.0
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay (s/veh)	19.4	9.0	4.2	4.2	13.6	4.0
LOS	B	A	A	A	B	A
Approach Delay (s/veh)	15.1			4.3	7.5	
Approach LOS	B			A	A	

Intersection Summary			
Area Type:	Other		
Cycle Length: 105			
Actuated Cycle Length: 43.1			
Natural Cycle: 55			
Control Type: Actuated-Uncoordinated			
Maximum v/c Ratio: 0.47			
Intersection Signal Delay (s/veh): 7.0		Intersection LOS: A	
Intersection Capacity Utilization 42.1%		ICU Level of Service A	
Analysis Period (min) 15			

Splits and Phases: 3: Millersport Hwy & Crosspoint Pkwy



Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

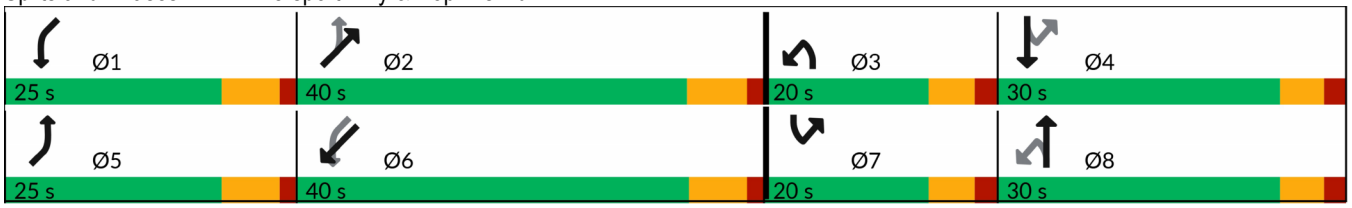
Lane Group	NBL	NBT	NBR	SBL	SBT	SBR	NEL	NET	NER	SWL	SWT	SWR
Lane Configurations												
Traffic Volume (vph)	49	7	64	1	15	30	5	117	11	123	475	2
Future Volume (vph)	49	7	64	1	15	30	5	117	11	123	475	2
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Storage Length (ft)	200		0	150		0	200		0	200		0
Storage Lanes	1		0	1		0	1		0	1		0
Taper Length (ft)	25			25			25			25		
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Frt		0.865			0.900			0.987			0.999	
Flt Protected	0.950			0.950			0.950			0.950		
Satd. Flow (prot)	1805	1644	0	902	1598	0	1504	1690	0	1752	1861	0
Flt Permitted	0.541			0.705			0.375			0.552		
Satd. Flow (perm)	1028	1644	0	670	1598	0	594	1690	0	1018	1861	0
Right Turn on Red			Yes			Yes			Yes			Yes
Satd. Flow (RTOR)		72			34			4				
Link Speed (mph)		40			40			55			55	
Link Distance (ft)		601			759			916			1461	
Travel Time (s)		10.2			12.9			11.4			18.1	
Peak Hour Factor	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89
Heavy Vehicles (%)	0%	0%	0%	100%	7%	7%	20%	12%	0%	3%	2%	0%
Adj. Flow (vph)	55	8	72	1	17	34	6	131	12	138	534	2
Shared Lane Traffic (%)												
Lane Group Flow (vph)	55	80	0	1	51	0	6	143	0	138	536	0
Enter Blocked Intersection	No	No	No	No	No	No	No	No	No	No	No	No
Lane Alignment	Left	Left	Right	Left	Left	Right	Left	Left	Right	Left	Left	Right
Median Width(ft)		12			12			12			12	
Link Offset(ft)		0			0			0			0	
Crosswalk Width(ft)		16			16			16			16	
Two way Left Turn Lane												
Headway Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Turning Speed (mph)	15		9	15		9	15		9	15		9
Number of Detectors	1	2		1	2		1	2		1	2	
Detector Template	Left	Thru		Left	Thru		Left	Thru		Left	Thru	
Leading Detector (ft)	20	100		20	100		20	100		20	100	
Trailing Detector (ft)	0	0		0	0		0	0		0	0	
Detector 1 Position(ft)	0	0		0	0		0	0		0	0	
Detector 1 Size(ft)	20	6		20	6		20	6		20	6	
Detector 1 Type	Cl+Ex	Cl+Ex		Cl+Ex	Cl+Ex		Cl+Ex	Cl+Ex		Cl+Ex	Cl+Ex	
Detector 1 Channel												
Detector 1 Extend (s)	0.0	0.0		0.0	0.0		0.0	0.0		0.0	0.0	
Detector 1 Queue (s)	0.0	0.0		0.0	0.0		0.0	0.0		0.0	0.0	
Detector 1 Delay (s)	0.0	0.0		0.0	0.0		0.0	0.0		0.0	0.0	
Detector 2 Position(ft)		94			94			94			94	
Detector 2 Size(ft)		6			6			6			6	
Detector 2 Type		Cl+Ex			Cl+Ex			Cl+Ex			Cl+Ex	
Detector 2 Channel												
Detector 2 Extend (s)		0.0			0.0			0.0			0.0	
Turn Type	pm+pt	NA		pm+pt	NA		pm+pt	NA		pm+pt	NA	
Protected Phases	3	8		7	4		5	2		1	6	

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

Lane Group	NBL	NBT	NBR	SBL	SBT	SBR	NEL	NET	NER	SWL	SWT	SWR
Permitted Phases	8			4			2			6		
Detector Phase	3	8		7	4		5	2		1	6	
Switch Phase												
Minimum Initial (s)	3.0	6.0		3.0	6.0		3.0	10.0		3.0	10.0	
Minimum Split (s)	8.7	11.7		8.7	11.7		9.4	16.4		9.3	16.3	
Total Split (s)	20.0	30.0		20.0	30.0		25.0	40.0		25.0	40.0	
Total Split (%)	17.4%	26.1%		17.4%	26.1%		21.7%	34.8%		21.7%	34.8%	
Maximum Green (s)	14.3	24.3		14.3	24.3		18.6	33.6		18.7	33.7	
Yellow Time (s)	3.9	3.9		3.9	3.9		5.0	5.0		5.0	5.0	
All-Red Time (s)	1.8	1.8		1.8	1.8		1.4	1.4		1.3	1.3	
Lost Time Adjust (s)	0.0	0.0		0.0	0.0		0.0	0.0		0.0	0.0	
Total Lost Time (s)	5.7	5.7		5.7	5.7		6.4	6.4		6.3	6.3	
Lead/Lag	Lead	Lag		Lead	Lag		Lead	Lag		Lead	Lag	
Lead-Lag Optimize?	Yes	Yes		Yes	Yes		Yes	Yes		Yes	Yes	
Vehicle Extension (s)	1.5	1.3		1.5	1.3		1.5	1.3		1.5	1.3	
Recall Mode	None	None		None	None		None	None		None	None	
Act Effct Green (s)	11.8	11.7		8.4	7.2		20.0	19.6		26.4	28.0	
Actuated g/C Ratio	0.24	0.24		0.17	0.15		0.41	0.40		0.54	0.57	
v/c Ratio	0.16	0.17		0.00	0.19		0.01	0.20		0.21	0.50	
Control Delay (s/veh)	17.6	9.2		18.0	16.8		8.4	17.7		8.7	13.7	
Queue Delay	0.0	0.0		0.0	0.0		0.0	0.0		0.0	0.0	
Total Delay (s/veh)	17.6	9.2		18.0	16.8		8.4	17.7		8.7	13.7	
LOS	B	A		B	B		A	B		A	B	
Approach Delay (s/veh)		12.7			16.8			17.4			12.7	
Approach LOS		B			B			B			B	

Intersection Summary			
Area Type:	Other		
Cycle Length: 115			
Actuated Cycle Length: 48.7			
Natural Cycle: 60			
Control Type: Actuated-Uncoordinated			
Maximum v/c Ratio: 0.50			
Intersection Signal Delay (s/veh): 13.6		Intersection LOS: B	
Intersection Capacity Utilization 53.2%		ICU Level of Service A	
Analysis Period (min) 15			

Splits and Phases: 4: Millersport Hwy & Hopkins Rd



Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

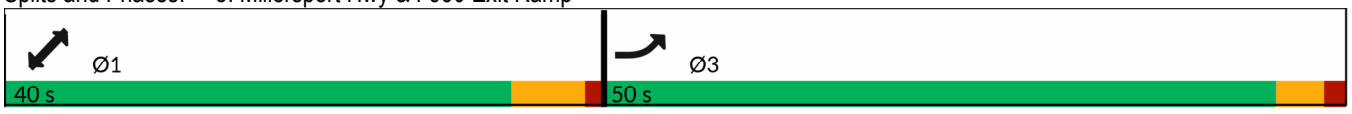
Lane Group	EBL	EBR	NEL	NET	SWT	SWR
Lane Configurations						
Traffic Volume (vph)	533	138	0	184	462	0
Future Volume (vph)	533	138	0	184	462	0
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Storage Length (ft)	0	485	0			0
Storage Lanes	2	1	0			0
Taper Length (ft)	25		25			
Lane Util. Factor	0.97	0.95	1.00	0.95	0.95	1.00
Frt	0.969					
Flt Protected	0.962					
Satd. Flow (prot)	3201	0	0	3374	3505	0
Flt Permitted	0.962					
Satd. Flow (perm)	3201	0	0	3374	3505	0
Right Turn on Red		Yes				Yes
Satd. Flow (RTOR)	54					
Link Speed (mph)	30			55	55	
Link Distance (ft)	766			300	334	
Travel Time (s)	17.4			3.7	4.1	
Peak Hour Factor	0.91	0.91	0.91	0.91	0.91	0.91
Heavy Vehicles (%)	9%	1%	0%	7%	3%	0%
Adj. Flow (vph)	586	152	0	202	508	0
Shared Lane Traffic (%)						
Lane Group Flow (vph)	738	0	0	202	508	0
Enter Blocked Intersection	No	No	No	No	No	No
Lane Alignment	Left	Right	Left	Left	Left	Right
Median Width(ft)	24			12	12	
Link Offset(ft)	0			0	0	
Crosswalk Width(ft)	16			16	16	
Two way Left Turn Lane						
Headway Factor	1.00	1.00	1.00	1.00	1.00	1.00
Turning Speed (mph)	15	9	15			9
Number of Detectors	2			2	2	
Detector Template						
Leading Detector (ft)	49			49	49	
Trailing Detector (ft)	-1			-1	-1	
Detector 1 Position(ft)	-1			-1	-1	
Detector 1 Size(ft)	20			20	20	
Detector 1 Type	Cl+Ex			Cl+Ex	Cl+Ex	
Detector 1 Channel						
Detector 1 Extend (s)	0.0			0.0	0.0	
Detector 1 Queue (s)	0.0			0.0	0.0	
Detector 1 Delay (s)	0.0			0.0	0.0	
Detector 2 Position(ft)	29			29	29	
Detector 2 Size(ft)	20			20	20	
Detector 2 Type	Cl+Ex			Cl+Ex	Cl+Ex	
Detector 2 Channel						
Detector 2 Extend (s)	0.0			0.0	0.0	
Turn Type	Prot			NA	NA	
Protected Phases	3			1	1	

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

Lane Group	EBL	EBR	NEL	NET	SWT	SWR
Permitted Phases						
Detector Phase	3			1	1	
Switch Phase						
Minimum Initial (s)	6.0			10.0	10.0	
Minimum Split (s)	22.7			24.0	24.0	
Total Split (s)	50.0			40.0	40.0	
Total Split (%)	55.6%			44.4%	44.4%	
Maximum Green (s)	45.3			34.0	34.0	
Yellow Time (s)	3.2			5.0	5.0	
All-Red Time (s)	1.5			1.0	1.0	
Lost Time Adjust (s)	0.0			0.0	0.0	
Total Lost Time (s)	4.7			6.0	6.0	
Lead/Lag						
Lead-Lag Optimize?						
Vehicle Extension (s)	4.0			4.0	4.0	
Recall Mode	None			Min	Min	
Act Effct Green (s)	17.5			14.1	14.1	
Actuated g/C Ratio	0.41			0.33	0.33	
v/c Ratio	0.54			0.18	0.43	
Control Delay (s/veh)	10.7			11.4	13.1	
Queue Delay	0.0			0.0	0.0	
Total Delay (s/veh)	10.7			11.4	13.1	
LOS	B			B	B	
Approach Delay (s/veh)	10.8			11.5	13.1	
Approach LOS	B			B	B	

Intersection Summary			
Area Type:	Other		
Cycle Length: 90			
Actuated Cycle Length: 42.7			
Natural Cycle: 50			
Control Type: Actuated-Uncoordinated			
Maximum v/c Ratio: 0.55			
Intersection Signal Delay (s/veh): 11.7		Intersection LOS: B	
Intersection Capacity Utilization 94.8%		ICU Level of Service F	
Analysis Period (min) 15			

Splits and Phases: 5: Millersport Hwy & I-990 Exit Ramp



Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

Lane Group	EBL	EBR	NEL	NET	SWT	SWR
Lane Configurations						
Traffic Volume (vph)	0	0	37	689	471	1291
Future Volume (vph)	0	0	37	689	471	1291
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Storage Length (ft)	0	0	180			0
Storage Lanes	0	0	1			0
Taper Length (ft)	25		25			
Lane Util. Factor	1.00	1.00	1.00	0.95	0.95	0.95
Frt					0.890	
Flt Protected			0.950			
Satd. Flow (prot)	0	0	1805	3343	3127	0
Flt Permitted			0.950			
Satd. Flow (perm)	0	0	1805	3343	3127	0
Link Speed (mph)	30			55	55	
Link Distance (ft)	582			334	3922	
Travel Time (s)	13.2			4.1	6.7	
Peak Hour Factor	0.93	0.93	0.93	0.93	0.93	0.93
Heavy Vehicles (%)	0%	0%	0%	8%	2%	3%
Adj. Flow (vph)	0	0	40	741	506	1388
Shared Lane Traffic (%)						
Lane Group Flow (vph)	0	0	40	741	1894	0
Enter Blocked Intersection	No	No	No	No	No	No
Lane Alignment	Left	Right	Left	Left	Left	Right
Median Width(ft)	0			12	12	
Link Offset(ft)	0			0	0	
Crosswalk Width(ft)	16			16	16	
Two way Left Turn Lane						
Headway Factor	1.00	1.00	1.00	1.00	1.00	1.00
Turning Speed (mph)	15	9	15			25
Sign Control	Free			Free	Free	

Intersection Summary			
Area Type:	Other		
Control Type: Unsignalized			
Intersection Capacity Utilization	94.8%	ICU Level of Service	F
Analysis Period (min)	15		

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

Lane Group	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Volume (vph)	61	47	202	344	25	4
Future Volume (vph)	61	47	202	344	25	4
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00
Frt			0.915			0.850
Flt Protected		0.973			0.950	
Satd. Flow (prot)	0	1767	1704	0	1770	1583
Flt Permitted		0.973			0.950	
Satd. Flow (perm)	0	1767	1704	0	1770	1583
Link Speed (mph)		30	30		30	
Link Distance (ft)		228	433		195	
Travel Time (s)		5.2	9.8		4.4	
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92
Heavy Vehicles (%)	2%	8%	2%	2%	2%	2%
Adj. Flow (vph)	66	51	220	374	27	4
Shared Lane Traffic (%)						
Lane Group Flow (vph)	0	117	594	0	27	4
Enter Blocked Intersection	No	No	No	No	No	No
Lane Alignment	Left	Left	Left	Right	Left	Right
Median Width(ft)		0	0		12	
Link Offset(ft)		0	0		0	
Crosswalk Width(ft)		16	16		16	
Two way Left Turn Lane						
Headway Factor	1.00	1.00	1.00	1.00	1.00	1.00
Turning Speed (mph)	15			9	15	9
Sign Control		Free	Free		Stop	

Intersection Summary			
Area Type:	Other		
Control Type: Unsignalized			
Intersection Capacity Utilization 50.9%		ICU Level of Service A	
Analysis Period (min) 15			

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

Intersection	
Int Delay, s/veh	1.4

Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Vol, veh/h	61	47	202	344	25	4
Future Vol, veh/h	61	47	202	344	25	4
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	0	0
Veh in Median Storage, #	-	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	2	8	2	2	2	2
Mvmt Flow	66	51	220	374	27	4

Major/Minor	Major1		Major2		Minor2	
Conflicting Flow All	593	0	-	0	590	407
Stage 1	-	-	-	-	407	-
Stage 2	-	-	-	-	184	-
Critical Hdwy	4.12	-	-	-	6.42	6.22
Critical Hdwy Stg 1	-	-	-	-	5.42	-
Critical Hdwy Stg 2	-	-	-	-	5.42	-
Follow-up Hdwy	2.218	-	-	-	3.518	3.318
Pot Cap-1 Maneuver	983	-	-	-	470	644
Stage 1	-	-	-	-	672	-
Stage 2	-	-	-	-	848	-
Platoon blocked, %		-	-	-		
Mov Cap-1 Maneuver	983	-	-	-	437	644
Mov Cap-2 Maneuver	-	-	-	-	437	-
Stage 1	-	-	-	-	626	-
Stage 2	-	-	-	-	848	-

Approach	EB	WB	SB
HCM Control Delay, s/v	5.04	0	13.34
HCM LOS			B

Minor Lane/Major Mvmt	EBL	EBT	WBT	WBR	SBLn1	SBLn2
Capacity (veh/h)	955	-	-	-	437	644
HCM Lane V/C Ratio	0.067	-	-	-	0.062	0.007
HCM Control Delay (s/veh)	8.9	0	-	-	13.8	10.6
HCM Lane LOS	A	A	-	-	B	B
HCM 95th %tile Q(veh)	0.2	-	-	-	0.2	0

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

SimTraffic Performance Report
2025 Full Build AM

10/22/2024

6: Millersport Hwy & I-990 Entrance Ramp Performance by lane

Lane	NE	NE	NE	SW	SW	All
Movements Served	L	T	T	T	TR	
Denied Delay (hr)						0.3
Denied Del/Veh (s)						0.4
Total Delay (hr)	0.1	0.1	0.1	1.2	5.4	7.0
Total Del/Veh (s)	5.4	1.3	1.5	9.2	14.9	10.0
Stop Delay (hr)	0.0	0.0	0.0	0.0	0.0	0.1
Stop Del/Veh (s)	3.8	0.2	0.2	0.0	0.0	0.1

Total Zone Performance

Denied Delay (hr)	0.3
Denied Del/Veh (s)	0.6
Total Delay (hr)	7.0
Total Del/Veh (s)	718.2
Stop Delay (hr)	0.1
Stop Del/Veh (s)	8.1

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

Queuing and Blocking Report
2025 Full Build AM

10/22/2024

Intersection: 6: Millersport Hwy & I-990 Entrance Ramp

Movement	NE	SW	SW
Directions Served	L	T	TR
Maximum Queue (ft)	53	12	6
Average Queue (ft)	14	0	0
95th Queue (ft)	41	5	5
Link Distance (ft)		3901	3901
Upstream Blk Time (%)			
Queuing Penalty (veh)			
Storage Bay Dist (ft)	180		
Storage Blk Time (%)			
Queuing Penalty (veh)			

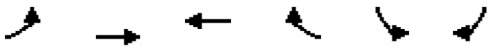
Zone Summary

Zone wide Queuing Penalty: 0

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

Lanes, Volumes, Timings
1: N French Rd & Crosspoint Pkwy

North French Rd Mixed Use Development
2025 Full Build PM



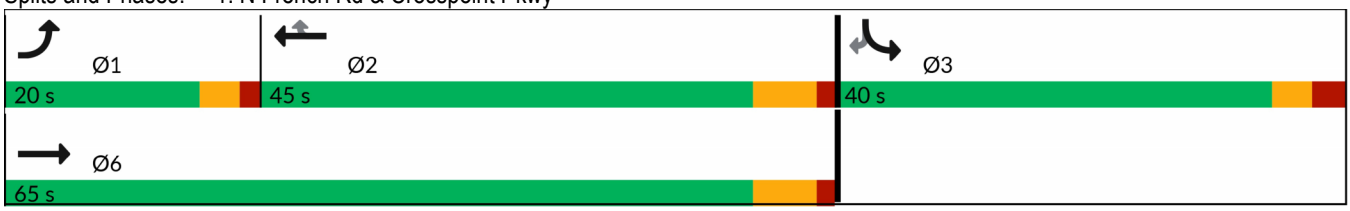
Lane Group	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Volume (vph)	132	843	600	70	118	399
Future Volume (vph)	132	843	600	70	118	399
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Storage Length (ft)	205			150	0	210
Storage Lanes	2			1	1	1
Taper Length (ft)	25				25	
Lane Util. Factor	0.97	0.95	0.95	1.00	1.00	0.88
Frt				0.850		0.850
Flt Protected	0.950				0.950	
Satd. Flow (prot)	3433	3539	3539	1538	1752	2842
Flt Permitted	0.950				0.950	
Satd. Flow (perm)	3433	3539	3539	1538	1752	2842
Right Turn on Red				Yes		Yes
Satd. Flow (RTOR)				81		464
Link Speed (mph)		45	45		30	
Link Distance (ft)		569	820		717	
Travel Time (s)		8.6	12.4		16.3	
Peak Hour Factor	0.86	0.86	0.86	0.86	0.86	0.86
Heavy Vehicles (%)	2%	2%	2%	5%	3%	0%
Adj. Flow (vph)	153	980	698	81	137	464
Shared Lane Traffic (%)						
Lane Group Flow (vph)	153	980	698	81	137	464
Enter Blocked Intersection	No	No	No	No	No	No
Lane Alignment	Left	Left	Left	Right	Left	Right
Median Width(ft)		24	24		12	
Link Offset(ft)		0	0		0	
Crosswalk Width(ft)		16	16		16	
Two way Left Turn Lane						
Headway Factor	1.00	1.00	1.00	1.00	1.00	1.00
Turning Speed (mph)	15			9	15	9
Number of Detectors	2	2	2	2	2	2
Detector Template						
Leading Detector (ft)	49	49	49	49	49	49
Trailing Detector (ft)	-1	-1	-1	-1	-1	-1
Detector 1 Position(ft)	-1	-1	-1	-1	-1	-1
Detector 1 Size(ft)	20	20	20	20	20	20
Detector 1 Type	Cl+Ex	Cl+Ex	Cl+Ex	Cl+Ex	Cl+Ex	Cl+Ex
Detector 1 Channel						
Detector 1 Extend (s)	0.0	0.0	0.0	0.0	0.0	0.0
Detector 1 Queue (s)	0.0	0.0	0.0	0.0	0.0	0.0
Detector 1 Delay (s)	0.0	0.0	0.0	0.0	0.0	0.0
Detector 2 Position(ft)	29	29	29	29	29	29
Detector 2 Size(ft)	20	20	20	20	20	20
Detector 2 Type	Cl+Ex	Cl+Ex	Cl+Ex	Cl+Ex	Cl+Ex	Cl+Ex
Detector 2 Channel						
Detector 2 Extend (s)	0.0	0.0	0.0	0.0	0.0	0.0
Turn Type	Prot	NA	NA	Perm	Prot	Perm
Protected Phases	1	6	2		3	

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

Lane Group	EBL	EBT	WBT	WBR	SBL	SBR
Permitted Phases				2		3
Detector Phase	1	6	2	2	3	3
Switch Phase						
Minimum Initial (s)	6.0	15.0	15.0	15.0	6.0	6.0
Minimum Split (s)	10.7	21.4	21.4	21.4	11.8	11.8
Total Split (s)	20.0	65.0	45.0	45.0	40.0	40.0
Total Split (%)	19.0%	61.9%	42.9%	42.9%	38.1%	38.1%
Maximum Green (s)	15.3	58.6	38.6	38.6	34.2	34.2
Yellow Time (s)	3.2	5.0	5.0	5.0	3.2	3.2
All-Red Time (s)	1.5	1.4	1.4	1.4	2.6	2.6
Lost Time Adjust (s)	0.0	0.0	0.0	0.0	0.0	0.0
Total Lost Time (s)	4.7	6.4	6.4	6.4	5.8	5.8
Lead/Lag	Lead		Lag	Lag		
Lead-Lag Optimize?	Yes		Yes	Yes		
Vehicle Extension (s)	3.0	3.0	3.0	3.0	3.0	3.0
Recall Mode	None	Min	Min	Min	None	None
Walk Time (s)			7.0	7.0		
Flash Dont Walk (s)			15.0	15.0		
Pedestrian Calls (#/hr)			0	0		
Act Effct Green (s)	8.3	31.1	18.0	18.0	10.6	10.6
Actuated g/C Ratio	0.15	0.57	0.33	0.33	0.20	0.20
v/c Ratio	0.29	0.48	0.59	0.14	0.39	0.49
Control Delay (s/veh)	23.7	8.0	18.0	4.8	23.7	4.5
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay (s/veh)	23.7	8.0	18.0	4.8	23.7	4.5
LOS	C	A	B	A	C	A
Approach Delay (s/veh)		10.2	16.7		8.9	
Approach LOS		B	B		A	

Intersection Summary			
Area Type:	Other		
Cycle Length: 105			
Actuated Cycle Length: 54.2			
Natural Cycle: 45			
Control Type: Actuated-Uncoordinated			
Maximum v/c Ratio: 0.59			
Intersection Signal Delay (s/veh): 11.9		Intersection LOS: B	
Intersection Capacity Utilization 42.2%		ICU Level of Service A	
Analysis Period (min) 15			

Splits and Phases: 1: N French Rd & Crosspoint Pkwy



Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

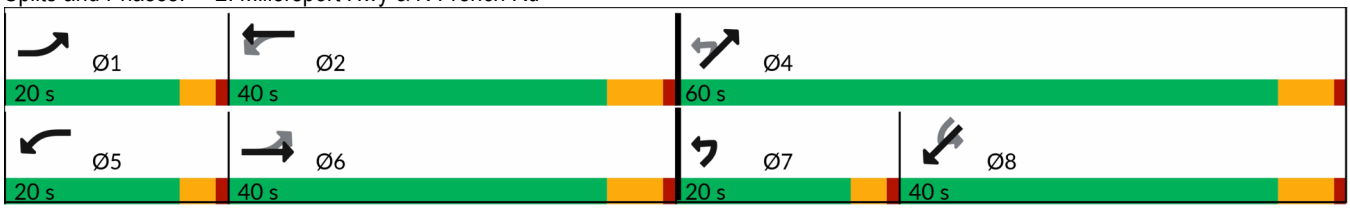
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NEL	NET	NER	SWL	SWT	SWR
Lane Configurations												
Traffic Volume (vph)	70	811	62	61	579	15	33	262	113	29	181	53
Future Volume (vph)	70	811	62	61	579	15	33	262	113	29	181	53
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Storage Length (ft)	235		0	375		0	195		0	170		0
Storage Lanes	1		0	1		0	1		0	1		0
Taper Length (ft)	25			25			25			25		
Lane Util. Factor	1.00	0.95	0.95	1.00	0.95	0.95	1.00	1.00	1.00	1.00	1.00	1.00
Frt		0.989			0.996			0.955			0.966	
Flt Protected	0.950			0.950			0.950			0.950		
Satd. Flow (prot)	1770	3452	0	1752	3461	0	1671	1814	0	1805	1786	0
Flt Permitted	0.326			0.180			0.395			0.481		
Satd. Flow (perm)	607	3452	0	332	3461	0	695	1814	0	914	1786	0
Right Turn on Red			Yes			Yes			Yes			Yes
Satd. Flow (RTOR)		6			2			24			12	
Link Speed (mph)		45			45			55			55	
Link Distance (ft)		820			1184			767			3092	
Travel Time (s)		12.4			17.9			9.5			38.3	
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Heavy Vehicles (%)	2%	3%	9%	3%	4%	0%	8%	0%	0%	0%	3%	2%
Adj. Flow (vph)	76	882	67	66	629	16	36	285	123	32	197	58
Shared Lane Traffic (%)												
Lane Group Flow (vph)	76	949	0	66	645	0	36	408	0	32	255	0
Enter Blocked Intersection	No	No	No	No	No	No	No	No	No	No	No	No
Lane Alignment	Left	Left	Right	Left	Left	Right	Left	Left	Right	Left	Left	Right
Median Width(ft)		12			12			12			12	
Link Offset(ft)		0			0			0			0	
Crosswalk Width(ft)		16			16			16			16	
Two way Left Turn Lane												
Headway Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Turning Speed (mph)	15		9	15		9	15		9	15		9
Number of Detectors	2	2		2	2		2	2		2	2	
Detector Template												
Leading Detector (ft)	49	49		49	49		49	49		49	49	
Trailing Detector (ft)	-1	-1		-1	-1		-1	-1		-1	-1	
Detector 1 Position(ft)	-1	-1		-1	-1		-1	-1		-1	-1	
Detector 1 Size(ft)	20	20		20	20		20	20		20	20	
Detector 1 Type	Cl+Ex	Cl+Ex		Cl+Ex	Cl+Ex		Cl+Ex	Cl+Ex		Cl+Ex	Cl+Ex	
Detector 1 Channel												
Detector 1 Extend (s)	0.0	0.0		0.0	0.0		0.0	0.0		0.0	0.0	
Detector 1 Queue (s)	0.0	0.0		0.0	0.0		0.0	0.0		0.0	0.0	
Detector 1 Delay (s)	0.0	0.0		0.0	0.0		0.0	0.0		0.0	0.0	
Detector 2 Position(ft)	29	29		29	29		29	29		29	29	
Detector 2 Size(ft)	20	20		20	20		20	20		20	20	
Detector 2 Type	Cl+Ex	Cl+Ex		Cl+Ex	Cl+Ex		Cl+Ex	Cl+Ex		Cl+Ex	Cl+Ex	
Detector 2 Channel												
Detector 2 Extend (s)	0.0	0.0		0.0	0.0		0.0	0.0		0.0	0.0	
Turn Type	pm+pt	NA		pm+pt	NA		pm+pt	NA		Perm	NA	
Protected Phases	1	6		5	2		7	4			8	

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NEL	NET	NER	SWL	SWT	SWR
Permitted Phases	6			2			4			8		
Detector Phase	1	6		5	2		7	4		8	8	
Switch Phase												
Minimum Initial (s)	3.0	10.0		6.0	10.0		4.0	6.0		6.0	6.0	
Minimum Split (s)	7.3	28.0		10.3	28.0		8.3	28.0		28.0	28.0	
Total Split (s)	20.0	40.0		20.0	40.0		20.0	60.0		40.0	40.0	
Total Split (%)	16.7%	33.3%		16.7%	33.3%		16.7%	50.0%		33.3%	33.3%	
Maximum Green (s)	15.7	34.0		15.7	34.0		15.7	54.0		34.0	34.0	
Yellow Time (s)	3.2	5.0		3.2	5.0		3.2	5.0		5.0	5.0	
All-Red Time (s)	1.1	1.0		1.1	1.0		1.1	1.0		1.0	1.0	
Lost Time Adjust (s)	0.0	0.0		0.0	0.0		0.0	0.0		0.0	0.0	
Total Lost Time (s)	4.3	6.0		4.3	6.0		4.3	6.0		6.0	6.0	
Lead/Lag	Lead	Lag		Lead	Lag		Lead			Lag	Lag	
Lead-Lag Optimize?	Yes	Yes		Yes	Yes		Yes			Yes	Yes	
Vehicle Extension (s)	3.0	4.0		2.0	4.0		2.0	4.0		4.0	4.0	
Recall Mode	None	None		None	None		None	None		None	None	
Walk Time (s)		7.0			7.0			7.0		7.0	7.0	
Flash Dont Walk (s)		15.0			15.0			15.0		15.0	15.0	
Pedestrian Calls (#/hr)		0			0			0		0	0	
Act Effct Green (s)	38.6	31.0		37.5	30.4		27.2	25.4		19.7	19.7	
Actuated g/C Ratio	0.50	0.40		0.48	0.39		0.35	0.33		0.25	0.25	
v/c Ratio	0.18	0.68		0.22	0.47		0.11	0.66		0.13	0.55	
Control Delay (s/veh)	11.5	24.4		12.5	21.2		18.7	27.9		28.7	32.3	
Queue Delay	0.0	0.0		0.0	0.0		0.0	0.0		0.0	0.0	
Total Delay (s/veh)	11.5	24.4		12.5	21.2		18.7	27.9		28.7	32.3	
LOS	B	C		B	C		B	C		C	C	
Approach Delay (s/veh)		23.5			20.4			27.2			31.9	
Approach LOS		C			C			C			C	

Intersection Summary			
Area Type:	Other		
Cycle Length: 120			
Actuated Cycle Length: 77.6			
Natural Cycle: 75			
Control Type: Actuated-Uncoordinated			
Maximum v/c Ratio: 0.69			
Intersection Signal Delay (s/veh): 24.2		Intersection LOS: C	
Intersection Capacity Utilization 70.4%		ICU Level of Service C	
Analysis Period (min) 15			

Splits and Phases: 2: Millersport Hwy & N French Rd



Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

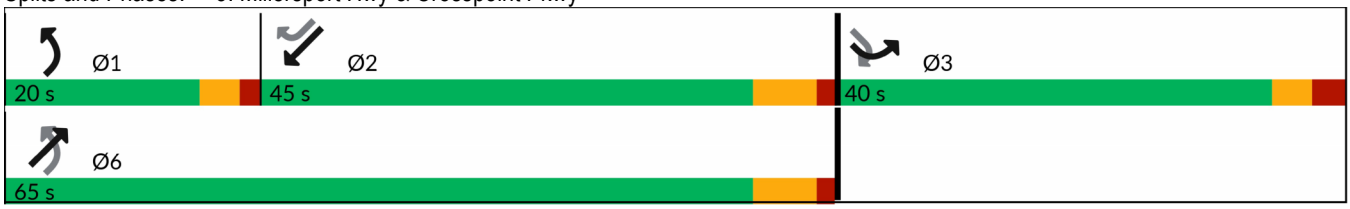
Lane Group	SEL	SER	NEL	NET	SWT	SWR
Lane Configurations						
Traffic Volume (vph)	300	126	36	304	148	62
Future Volume (vph)	300	126	36	304	148	62
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Storage Length (ft)	0	270	375			290
Storage Lanes	1	1	1			1
Taper Length (ft)	25		25			
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00
Frt		0.850				0.850
Flt Protected	0.950		0.950			
Satd. Flow (prot)	1787	1599	1805	1900	1900	1538
Flt Permitted	0.950		0.499			
Satd. Flow (perm)	1787	1599	948	1900	1900	1538
Right Turn on Red		Yes				Yes
Satd. Flow (RTOR)		150				74
Link Speed (mph)	30			55	55	
Link Distance (ft)	433			3092	955	
Travel Time (s)	9.8			38.3	11.8	
Peak Hour Factor	0.84	0.84	0.84	0.84	0.84	0.84
Heavy Vehicles (%)	1%	1%	0%	0%	0%	5%
Adj. Flow (vph)	357	150	43	362	176	74
Shared Lane Traffic (%)						
Lane Group Flow (vph)	357	150	43	362	176	74
Enter Blocked Intersection	No	No	No	No	No	No
Lane Alignment	Left	Right	Left	Left	Left	Right
Median Width(ft)	12			12	12	
Link Offset(ft)	0			0	0	
Crosswalk Width(ft)	16			16	16	
Two way Left Turn Lane						
Headway Factor	1.00	1.00	1.00	1.00	1.00	1.00
Turning Speed (mph)	15	9	15			9
Number of Detectors	2	2	2	2	2	2
Detector Template						
Leading Detector (ft)	49	49	49	49	49	49
Trailing Detector (ft)	-1	-1	-1	-1	-1	-1
Detector 1 Position(ft)	-1	-1	-1	-1	-1	-1
Detector 1 Size(ft)	20	20	20	20	20	20
Detector 1 Type	Cl+Ex	Cl+Ex	Cl+Ex	Cl+Ex	Cl+Ex	Cl+Ex
Detector 1 Channel						
Detector 1 Extend (s)	0.0	0.0	0.0	0.0	0.0	0.0
Detector 1 Queue (s)	0.0	0.0	0.0	0.0	0.0	0.0
Detector 1 Delay (s)	0.0	0.0	0.0	0.0	0.0	0.0
Detector 2 Position(ft)	29	29	29	29	29	29
Detector 2 Size(ft)	20	20	20	20	20	20
Detector 2 Type	Cl+Ex	Cl+Ex	Cl+Ex	Cl+Ex	Cl+Ex	Cl+Ex
Detector 2 Channel						
Detector 2 Extend (s)	0.0	0.0	0.0	0.0	0.0	0.0
Turn Type	Prot	Perm	pm+pt	NA	NA	Perm
Protected Phases	3		1	6	2	

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

Lane Group	SEL	SER	NEL	NET	SWT	SWR
Permitted Phases		3	6			2
Detector Phase	3	3	1	6	2	2
Switch Phase						
Minimum Initial (s)	6.0	6.0	6.0	15.0	15.0	15.0
Minimum Split (s)	11.8	11.8	10.7	21.4	28.4	28.4
Total Split (s)	40.0	40.0	20.0	65.0	45.0	45.0
Total Split (%)	38.1%	38.1%	19.0%	61.9%	42.9%	42.9%
Maximum Green (s)	34.2	34.2	15.3	58.6	38.6	38.6
Yellow Time (s)	3.2	3.2	3.2	5.0	5.0	5.0
All-Red Time (s)	2.6	2.6	1.5	1.4	1.4	1.4
Lost Time Adjust (s)	0.0	0.0	0.0	0.0	0.0	0.0
Total Lost Time (s)	5.8	5.8	4.7	6.4	6.4	6.4
Lead/Lag			Lead		Lag	Lag
Lead-Lag Optimize?			Yes		Yes	Yes
Vehicle Extension (s)	3.0	3.0	3.0	3.0	3.0	3.0
Recall Mode	None	None	None	Min	Min	Min
Walk Time (s)					7.0	7.0
Flash Dont Walk (s)					15.0	15.0
Pedestrian Calls (#/hr)					0	0
Act Effct Green (s)	15.4	15.4	21.5	19.7	15.9	15.9
Actuated g/C Ratio	0.32	0.32	0.45	0.41	0.33	0.33
v/c Ratio	0.62	0.24	0.07	0.46	0.27	0.13
Control Delay (s/veh)	19.9	4.2	8.8	13.1	17.0	6.2
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay (s/veh)	19.9	4.2	8.8	13.1	17.0	6.2
LOS	B	A	A	B	B	A
Approach Delay (s/veh)	15.3			12.7	13.9	
Approach LOS	B			B	B	

Intersection Summary			
Area Type:	Other		
Cycle Length: 105			
Actuated Cycle Length: 47.9			
Natural Cycle: 60			
Control Type: Actuated-Uncoordinated			
Maximum v/c Ratio: 0.62			
Intersection Signal Delay (s/veh): 14.1		Intersection LOS: B	
Intersection Capacity Utilization 48.2%		ICU Level of Service A	
Analysis Period (min) 15			

Splits and Phases: 3: Millersport Hwy & Crosspoint Pkwy



Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

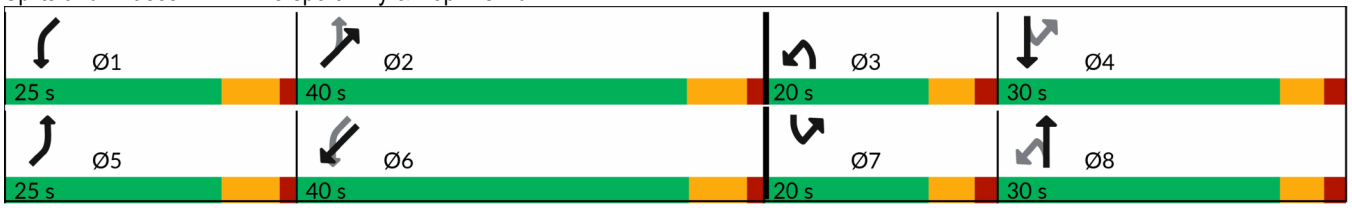
Lane Group	NBL	NBT	NBR	SBL	SBT	SBR	NEL	NET	NER	SWL	SWT	SWR
Lane Configurations												
Traffic Volume (vph)	16	23	147	1	23	14	24	472	102	95	181	7
Future Volume (vph)	16	23	147	1	23	14	24	472	102	95	181	7
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Storage Length (ft)	200		0	150		0	200		0	200		0
Storage Lanes	1		0	1		0	1		0	1		0
Taper Length (ft)	25			25			25			25		
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Frt		0.870			0.943			0.973			0.994	
Flt Protected	0.950			0.950			0.950			0.950		
Satd. Flow (prot)	1805	1606	0	1805	1745	0	1805	1834	0	1770	1836	0
Flt Permitted	0.709			0.580			0.626			0.243		
Satd. Flow (perm)	1347	1606	0	1102	1745	0	1189	1834	0	453	1836	0
Right Turn on Red			Yes			Yes			Yes			Yes
Satd. Flow (RTOR)		165			16			10			2	
Link Speed (mph)		40			40			55			55	
Link Distance (ft)		632			661			955			1422	
Travel Time (s)		10.8			11.3			11.8			17.6	
Peak Hour Factor	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89
Heavy Vehicles (%)	0%	9%	2%	0%	0%	7%	0%	1%	0%	2%	3%	0%
Adj. Flow (vph)	18	26	165	1	26	16	27	530	115	107	203	8
Shared Lane Traffic (%)												
Lane Group Flow (vph)	18	191	0	1	42	0	27	645	0	107	211	0
Enter Blocked Intersection	No	No	No	No	No	No	No	No	No	No	No	No
Lane Alignment	Left	Left	Right	Left	Left	Right	Left	Left	Right	Left	Left	Right
Median Width(ft)		12			12			12			12	
Link Offset(ft)		0			0			0			0	
Crosswalk Width(ft)		16			16			16			16	
Two way Left Turn Lane												
Headway Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Turning Speed (mph)	15		9	15		9	15		9	15		9
Number of Detectors	1	2		1	2		1	2		1	2	
Detector Template	Left	Thru		Left	Thru		Left	Thru		Left	Thru	
Leading Detector (ft)	20	100		20	100		20	100		20	100	
Trailing Detector (ft)	0	0		0	0		0	0		0	0	
Detector 1 Position(ft)	0	0		0	0		0	0		0	0	
Detector 1 Size(ft)	20	6		20	6		20	6		20	6	
Detector 1 Type	Cl+Ex	Cl+Ex		Cl+Ex	Cl+Ex		Cl+Ex	Cl+Ex		Cl+Ex	Cl+Ex	
Detector 1 Channel												
Detector 1 Extend (s)	0.0	0.0		0.0	0.0		0.0	0.0		0.0	0.0	
Detector 1 Queue (s)	0.0	0.0		0.0	0.0		0.0	0.0		0.0	0.0	
Detector 1 Delay (s)	0.0	0.0		0.0	0.0		0.0	0.0		0.0	0.0	
Detector 2 Position(ft)		94			94			94			94	
Detector 2 Size(ft)		6			6			6			6	
Detector 2 Type		Cl+Ex			Cl+Ex			Cl+Ex			Cl+Ex	
Detector 2 Channel												
Detector 2 Extend (s)		0.0			0.0			0.0			0.0	
Turn Type	pm+pt	NA		pm+pt	NA		pm+pt	NA		pm+pt	NA	
Protected Phases	3	8		7	4		5	2		1	6	

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

Lane Group	NBL	NBT	NBR	SBL	SBT	SBR	NEL	NET	NER	SWL	SWT	SWR
Permitted Phases	8			4			2			6		
Detector Phase	3	8		7	4		5	2		1	6	
Switch Phase												
Minimum Initial (s)	3.0	6.0		3.0	6.0		3.0	10.0		3.0	10.0	
Minimum Split (s)	8.7	23.7		8.7	23.7		9.4	24.4		9.3	24.3	
Total Split (s)	20.0	30.0		20.0	30.0		25.0	40.0		25.0	40.0	
Total Split (%)	17.4%	26.1%		17.4%	26.1%		21.7%	34.8%		21.7%	34.8%	
Maximum Green (s)	14.3	24.3		14.3	24.3		18.6	33.6		18.7	33.7	
Yellow Time (s)	3.9	3.9		3.9	3.9		5.0	5.0		5.0	5.0	
All-Red Time (s)	1.8	1.8		1.8	1.8		1.4	1.4		1.3	1.3	
Lost Time Adjust (s)	0.0	0.0		0.0	0.0		0.0	0.0		0.0	0.0	
Total Lost Time (s)	5.7	5.7		5.7	5.7		6.4	6.4		6.3	6.3	
Lead/Lag	Lead	Lag		Lead	Lag		Lead	Lag		Lead	Lag	
Lead-Lag Optimize?	Yes	Yes		Yes	Yes		Yes	Yes		Yes	Yes	
Vehicle Extension (s)	1.5	1.3		1.5	1.3		1.5	1.3		1.5	1.3	
Recall Mode	None	None		None	None		None	None		None	None	
Act Effct Green (s)	8.0	7.1		7.5	6.8		37.8	34.3		42.3	39.7	
Actuated g/C Ratio	0.12	0.11		0.12	0.11		0.58	0.53		0.65	0.61	
v/c Ratio	0.09	0.59		0.00	0.21		0.03	0.66		0.26	0.18	
Control Delay (s/veh)	25.6	16.1		24.0	23.6		5.2	18.0		6.2	8.4	
Queue Delay	0.0	0.0		0.0	0.0		0.0	0.0		0.0	0.0	
Total Delay (s/veh)	25.6	16.1		24.0	23.6		5.2	18.0		6.2	8.4	
LOS	C	B		C	C		A	B		A	A	
Approach Delay (s/veh)		17.0			23.7			17.5			7.7	
Approach LOS		B			C			B			A	

Intersection Summary			
Area Type:	Other		
Cycle Length: 115			
Actuated Cycle Length: 64.7			
Natural Cycle: 80			
Control Type: Actuated-Uncoordinated			
Maximum v/c Ratio: 0.66			
Intersection Signal Delay (s/veh): 15.2		Intersection LOS: B	
Intersection Capacity Utilization 61.9%		ICU Level of Service B	
Analysis Period (min) 15			

Splits and Phases: 4: Millersport Hwy & Hopkins Rd



Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

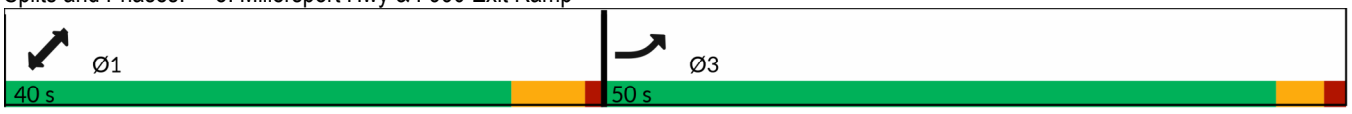
Lane Group	EBL	EBR	NEL	NET	SWT	SWR
Lane Configurations						
Traffic Volume (vph)	1380	58	0	626	225	0
Future Volume (vph)	1380	58	0	626	225	0
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Storage Length (ft)	0	485	0			0
Storage Lanes	2	1	0			0
Taper Length (ft)	25		25			
Lane Util. Factor	0.97	0.95	1.00	0.95	0.95	1.00
Frt	0.994					
Flt Protected	0.954					
Satd. Flow (prot)	3427	0	0	3574	3539	0
Flt Permitted	0.954					
Satd. Flow (perm)	3427	0	0	3574	3539	0
Right Turn on Red		Yes				Yes
Satd. Flow (RTOR)	7					
Link Speed (mph)	30			55	55	
Link Distance (ft)	749			300	334	
Travel Time (s)	17.0			3.7	4.1	
Peak Hour Factor	0.93	0.93	0.93	0.93	0.93	0.93
Heavy Vehicles (%)	2%	2%	0%	1%	2%	0%
Adj. Flow (vph)	1484	62	0	673	242	0
Shared Lane Traffic (%)						
Lane Group Flow (vph)	1546	0	0	673	242	0
Enter Blocked Intersection	No	No	No	No	No	No
Lane Alignment	Left	Right	Left	Left	Left	Right
Median Width(ft)	24			12	12	
Link Offset(ft)	0			0	0	
Crosswalk Width(ft)	16			16	16	
Two way Left Turn Lane						
Headway Factor	1.00	1.00	1.00	1.00	1.00	1.00
Turning Speed (mph)	15	9	15			9
Number of Detectors	2			2	2	
Detector Template						
Leading Detector (ft)	49			49	49	
Trailing Detector (ft)	-1			-1	-1	
Detector 1 Position(ft)	-1			-1	-1	
Detector 1 Size(ft)	20			20	20	
Detector 1 Type	Cl+Ex			Cl+Ex	Cl+Ex	
Detector 1 Channel						
Detector 1 Extend (s)	0.0			0.0	0.0	
Detector 1 Queue (s)	0.0			0.0	0.0	
Detector 1 Delay (s)	0.0			0.0	0.0	
Detector 2 Position(ft)	29			29	29	
Detector 2 Size(ft)	20			20	20	
Detector 2 Type	Cl+Ex			Cl+Ex	Cl+Ex	
Detector 2 Channel						
Detector 2 Extend (s)	0.0			0.0	0.0	
Turn Type	Prot			NA	NA	
Protected Phases	3			1	1	

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

Lane Group	EBL	EBR	NEL	NET	SWT	SWR
Permitted Phases						
Detector Phase	3			1	1	
Switch Phase						
Minimum Initial (s)	6.0			10.0	10.0	
Minimum Split (s)	22.7			24.0	24.0	
Total Split (s)	50.0			40.0	40.0	
Total Split (%)	55.6%			44.4%	44.4%	
Maximum Green (s)	45.3			34.0	34.0	
Yellow Time (s)	3.2			5.0	5.0	
All-Red Time (s)	1.5			1.0	1.0	
Lost Time Adjust (s)	0.0			0.0	0.0	
Total Lost Time (s)	4.7			6.0	6.0	
Lead/Lag						
Lead-Lag Optimize?						
Vehicle Extension (s)	4.0			4.0	4.0	
Recall Mode	None			Min	Min	
Act Effct Green (s)	41.5			22.8	22.8	
Actuated g/C Ratio	0.55			0.30	0.30	
v/c Ratio	0.81			0.62	0.22	
Control Delay (s/veh)	19.0			25.6	20.5	
Queue Delay	0.0			0.0	0.0	
Total Delay (s/veh)	19.0			25.6	20.5	
LOS	B			C	C	
Approach Delay (s/veh)	19.0			25.6	20.6	
Approach LOS	B			C	C	

Intersection Summary			
Area Type:	Other		
Cycle Length: 90			
Actuated Cycle Length: 75.2			
Natural Cycle: 60			
Control Type: Actuated-Uncoordinated			
Maximum v/c Ratio: 0.82			
Intersection Signal Delay (s/veh): 21.0		Intersection LOS: C	
Intersection Capacity Utilization 102.7%		ICU Level of Service G	
Analysis Period (min) 15			

Splits and Phases: 5: Millersport Hwy & I-990 Exit Ramp



Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

Lane Group	EBL	EBR	NEL	NET	SWT	SWR
Lane Configurations						
Traffic Volume (vph)	0	0	106	1905	205	814
Future Volume (vph)	0	0	106	1905	205	814
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Storage Length (ft)	0	0	180			0
Storage Lanes	0	0	1			0
Taper Length (ft)	25		25			
Lane Util. Factor	1.00	1.00	1.00	0.95	0.95	0.95
Frt					0.880	
Flt Protected			0.950			
Satd. Flow (prot)	0	0	1770	3539	3090	0
Flt Permitted			0.950			
Satd. Flow (perm)	0	0	1770	3539	3090	0
Link Speed (mph)	30			55	55	
Link Distance (ft)	582			334	540	
Travel Time (s)	13.2			4.1	6.7	
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95
Heavy Vehicles (%)	0%	0%	2%	2%	2%	3%
Adj. Flow (vph)	0	0	112	2005	216	857
Shared Lane Traffic (%)						
Lane Group Flow (vph)	0	0	112	2005	1073	0
Enter Blocked Intersection	No	No	No	No	No	No
Lane Alignment	Left	Right	Left	Left	Left	Right
Median Width(ft)	0			12	12	
Link Offset(ft)	0			0	0	
Crosswalk Width(ft)	16			16	16	
Two way Left Turn Lane						
Headway Factor	1.00	1.00	1.00	1.00	1.00	1.00
Turning Speed (mph)	15	9	15			15
Sign Control	Free			Free	Free	

Intersection Summary			
Area Type:	Other		
Control Type: Unsignalized			
Intersection Capacity Utilization	102.7%	ICU Level of Service	G
Analysis Period (min)	15		

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

Lane Group	SEL	SET	NWT	NWR	SWL	SWR
Lane Configurations						
Traffic Volume (vph)	9	197	42	56	229	44
Future Volume (vph)	9	197	42	56	229	44
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00
Frt			0.923			0.850
Flt Protected		0.998			0.950	
Satd. Flow (prot)	0	1859	1712	0	1770	1583
Flt Permitted		0.998			0.950	
Satd. Flow (perm)	0	1859	1712	0	1770	1583
Link Speed (mph)		30	30		30	
Link Distance (ft)		228	433		213	
Travel Time (s)		5.2	9.8		4.8	
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92
Heavy Vehicles (%)	2%	2%	3%	2%	2%	2%
Adj. Flow (vph)	10	214	46	61	249	48
Shared Lane Traffic (%)						
Lane Group Flow (vph)	0	224	107	0	249	48
Enter Blocked Intersection	No	No	No	No	No	No
Lane Alignment	Left	Left	Left	Right	Left	Right
Median Width(ft)		0	0		0	
Link Offset(ft)		0	0		0	
Crosswalk Width(ft)		16	16		16	
Two way Left Turn Lane						
Headway Factor	1.00	1.00	1.00	1.00	1.00	1.00
Turning Speed (mph)	15			9	15	9
Sign Control		Free	Free		Stop	

Intersection Summary			
Area Type:	Other		
Control Type: Unsignalized			
Intersection Capacity Utilization 36.9%		ICU Level of Service A	
Analysis Period (min) 15			

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

Intersection	
Int Delay, s/veh	6.1

Movement	SEL	SET	NWT	NWR	SWL	SWR
Lane Configurations						
Traffic Vol, veh/h	9	197	42	56	229	44
Future Vol, veh/h	9	197	42	56	229	44
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	-	-
Veh in Median Storage, #	-	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	2	2	3	2	2	2
Mvmt Flow	10	214	46	61	249	48

Major/Minor	Major1		Major2		Minor2	
Conflicting Flow All	107	0	-	0	310	76
Stage 1	-	-	-	-	76	-
Stage 2	-	-	-	-	234	-
Critical Hdwy	4.12	-	-	-	6.42	6.22
Critical Hdwy Stg 1	-	-	-	-	5.42	-
Critical Hdwy Stg 2	-	-	-	-	5.42	-
Follow-up Hdwy	2.218	-	-	-	3.518	3.318
Pot Cap-1 Maneuver	1484	-	-	-	683	985
Stage 1	-	-	-	-	947	-
Stage 2	-	-	-	-	805	-
Platoon blocked, %			-	-	-	
Mov Cap-1 Maneuver	1484	-	-	-	677	985
Mov Cap-2 Maneuver	-	-	-	-	677	-
Stage 1	-	-	-	-	940	-
Stage 2	-	-	-	-	805	-

Approach	SE	NW	SW
HCM Control Delay, s/v	0.33	0	12.64
HCM LOS			B

Minor Lane/Major Mvmt	NWT	NWR	SEL	SET	SWLn1	SWLn2
Capacity (veh/h)	-	-	79	-	677	985
HCM Lane V/C Ratio	-	-	0.007	-	0.367	0.049
HCM Control Delay (s/veh)	-	-	7.4	0	13.4	8.8
HCM Lane LOS	-	-	A	A	B	A
HCM 95th %tile Q(veh)	-	-	0	-	1.7	0.2

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

SimTraffic Performance Report
2025 Full Build PM

10/22/2024

6: Millersport Hwy & I-990 Entrance Ramp Performance by lane

Lane	NE	NE	NE	SW	SW	All
Movements Served	L	T	T	T	TR	
Denied Delay (hr)						0.1
Denied Del/Veh (s)						0.1
Total Delay (hr)	0.1	0.6	0.6	0.2	0.7	2.2
Total Del/Veh (s)	2.9	2.5	2.3	2.9	3.1	2.6
Stop Delay (hr)	0.0	0.0	0.0	0.0	0.0	0.1
Stop Del/Veh (s)	1.1	0.1	0.1	0.0	0.0	0.1

Total Zone Performance

Denied Delay (hr)	0.1
Denied Del/Veh (s)	0.4
Total Delay (hr)	2.2
Total Del/Veh (s)	382.2
Stop Delay (hr)	0.1
Stop Del/Veh (s)	12.7

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

Queuing and Blocking Report
2025 Full Build PM

10/22/2024

Intersection: 6: Millersport Hwy & I-990 Entrance Ramp

Movement	NE	SW
Directions Served	L	TR
Maximum Queue (ft)	59	18
Average Queue (ft)	21	1
95th Queue (ft)	52	10
Link Distance (ft)		519
Upstream Blk Time (%)		
Queuing Penalty (veh)		
Storage Bay Dist (ft)	180	
Storage Blk Time (%)		
Queuing Penalty (veh)		

Zone Summary

Zone wide Queuing Penalty: 0

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

STORMWATER POLLUTION PREVENTION PLAN

for

3750 Millersport Highway

Town of Amherst
Erie County, New York 14068
Lots 70.11 & 58.111, Block 1

Prepared For:

CITIGROUP TECHNOLOGY INC
Two Court Square
Long Island City, New York 11101

Prepared By:

Ware Malcomb
45 West 21st Street, 6th Floor
New York, NY 10010

Ed Wilkes, P.E.
Professional Engineer NY License No. 102827

19th September 2024
NYC24-4006

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

TABLE OF CONTENTS

Page No.

PREFACE **1**
Site Operator 1
General Contractor 1
SWPPP Development 2
SWPPP Review 2
SWPPP Update 2
EXISTING CONDITIONS **3**
Site Description 3
Soil Characteristics 4
Existing Stormwater Runoff Characteristics 5
PROPOSED CONDITIONS **5**
EROSION AND SEDIMENT CONTROLS DURING CONSTRUCTION **5**
Soil Erosion and Sediment Control Practices 6
Construction Sequencing and Soil Erosion and Sediment Control Schedule 6
Phase 1 Schedule: 7
Phase 2 Schedule: 7
Maintenance Program 8
Inspection During Construction 8
POST-CONSTRUCTION STORMWATER CONTROLS **9**
Pre-developed Drainage Area 10
Post-Developed Drainage Area 10
Above-Ground Infiltration Basin 11
Water Quality Requirements and Controls 11
Pretreatment 12
Runoff Reduction Volume (RR_V) Requirement 12
Peak Flow Requirements 13
Stream Channel Protection Requirement – 1-year Storm 13
Overbank Flood Control Criteria Requirement – 10-year Storm 13
Extreme Storm Criteria Requirement – 100-year Storm 14
Post-Construction Stormwater Controls Maintenance 14
Non-Stormwater Discharge Controls 14
Winter Conditions 15
Inventory for Pollution Prevention Plan 15
Spill Prevention 15
Spill Control Practices 16
Additional Stormwater Controls 17
CERTIFICATIONS AND FORMS **17**
RETENTION OF RECORDS **18**
REFERENCES **19**
ATTACHMENT A **1**
CONSTRUCTION DRAWINGS **1**
ATTACHMENT B **2**

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

BOUNDARY AND TOPOGRAPHIC SURVEY **2**
ATTACHMENT C **1**
PRE-DEVELOPMENT STORMWATER CALCULATIONS **1**
ATTACHMENT D **1**
POST-DEVELOPMENT STORMWATER CALCULATIONS **1**
ATTACHMENT E ..... ERROR! BOOKMARK NOT DEFINED.
PRE-CAST CONCRETE STORMWATER STORAGE SYSTEM ..... ERROR! BOOKMARK NOT DEFINED.
ATTACHMENT F **1**
GEOTECHNICAL INFILTRATION TESTING REPORT **1**
ATTACHMENT G **1**
NYSDEC SPDES GENERAL PERMIT FOR STORMWATER DISCHARGES **1**
ATTACHMENT H **2**
NYSDEC TIDAL WETLAND PERMIT ..... ERROR! BOOKMARK NOT DEFINED.
ATTACHMENT I **1**
NYSDEC MSGP NO EXPOSURE CERTIFICATION FILING **1**
ATTACHMENT J ..... ERROR! BOOKMARK NOT DEFINED.
HANTUSH GROUNDWATER MOUNDING ANALYSIS ..... ERROR! BOOKMARK NOT DEFINED.
APPENDIX A **1**
PRE-CONSTRUCTION DOCUMENTS AND CERTIFICATIONS **1**
PRE-CONSTRUCTION DOCUMENTS 1
Preamble to Site Assessment and Inspections 1
PRE-CONSTRUCTION CERTIFICATIONS 3
Preparer's Certification 3
Owner's Certification 3
Developer's Certification 3
Qualified Professional's (Design) Credentials & Certification 4
Qualified Professional's (Inspection) Credentials & Certification 4
APPENDIX B **1**
CONSTRUCTION DURATION INSPECTIONS **1**
CONSTRUCTION DURATION INSPECTIONS 1
SITE PLAN/SKETCH 3
CONSTRUCTION DURATION INSPECTIONS 8
APPENDIX C **1**
MONTHLY SUMMARY REPORTS **1**
Monthly Summary of Site Inspection Activities 1
Qualified Professional's Certification: 1
APPENDIX D **1**
CONTRACTOR'S CERTIFICATIONS AND FORMS **1**
CONTRACTOR'S CERTIFICATION STATEMENT 1
SUBCONTRACTOR'S CERTIFICATION STATEMENT 2
CERTIFICATE OF ISSUANCE 3
EROSION AND WATER QUALITY CONTROL IDENTIFICATION 4
IDENTIFICATION 4
CONSTRUCTION STABILIZATION 5
THE CONTRACTOR IS RESPONSIBLE TO KEEP THE FOLLOWING RECORDS: 5

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

THESE MUST BE KEPT UP TO DATE AND ON-SITE FOR INSPECTION AT ANYTIMECERTIFICATE OF CHANGE BY THE CONTRACTOR 5
APPENDIX E 1
END OF CONSTRUCTION DOCUMENTS 1
FINAL STABILZATION AND RETENTION OF RECORDS 1
POST-CONSTRUCTION STORMWATER MANAGEMENT FORM 2
CERTIFICATE OF RETURN 3
APPENDIX F 1
OPERATIONS & MAINTENANCE MANUAL 1
APPENDIX G 2
NOTICE OF INTENT FORM (SWPTS EFILING) 2

LIST OF FIGURES

Figure 1 Site Location Map
Figure 2 USDA Soil Survey

LIST OF DRAWINGS

Drawing C1.0 Erosion and Sediment Control Plan – Phase 1
Drawing C1.1 Erosion and Sediment Control Plan – Phase 2
Drawing C1.2 Erosion and Sediment Control Plan - Notes
Drawing C2.0 Soil Disturbance Map
Drawing C2.1 Soil Disturbance Phasing Plan
Drawing C2.2 Silt Fence Design Criteria
Drawing C3.0 Grading Plan
Drawing C3.1 Grading Plan
Drawing C3.2 Drainage Plan
Drawing C3.3 Drainage Plan
Drawing C4.0 Inlet Protection Plan
Drawing C5.0 Existing Drainage Map
Drawing C6.0 Proposed Drainage Map
Drawing C7.0 Details
Drawing C7.1 Details

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

LIST OF ATTACHMENTS

Attachment A	Construction Drawings
Attachment B	Boundary and Topographic Survey
Attachment C	Pre-Development Stormwater Calculations
Attachment D	Post-Development Stormwater Calculations
Attachment E	NYS DEC SPDES General Permit for Stormwater Discharges
Attachment F	Department of the Army Jurisdictional Determination
Attachment G	NYSDEC MSGP No Exposure Certification Filing

LIST OF APPENDICES

Appendix A	Pre-Construction Documents & Inspections
Appendix B	Construction Duration Inspections
Appendix C	Monthly Summary Reports
Appendix D	Contractor's Certifications and Forms
Appendix E	End of Construction Documents
Appendix F	Operations & Maintenance Manual
Appendix G	Notice of Intent Form (SWPTS eFiling)

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

PREFACE

This Stormwater Pollution Prevention Plan (SWPPP) has been prepared for the Citi-Crosspointe Parking Lot Expansion located at 3750 Millersport Highway in Amherst, New York. The project site consists of two lots (Block 1, Lot 58.111 & 70.11), however, the proposed development discussed in this SWPPP will occur solely on Lot 58.111. The redevelopment consists of a 491 spaces parking lot expansion to support the existing Citi Bank office space located on Lot 70.11. Additional improvements include stormwater management facilities, landscaping, site lighting and wetland mitigation.

As described in Appendix B, Table 2 of the NYSDEC SPDES General Permit for Stormwater Discharges from Construction Activities (Permit No. GP-0-20-001), which is included in this report as Attachment G, this SWPPP consists of both construction phase erosion and sedimentation controls, and post-construction stormwater management practices.

The SWPPP describes practices and procedures required to prevent pollutants from entering the waters of the United States via stormwater runoff. The stormwater management design and erosion control plan for the project were prepared using criteria established in the New York State Standards and Specifications for Erosion and Sediment Control (November 2016).

Site Operator

Operator
CITI Group Technology INC
227 W Monroe
Chicago, IL 60606

Contact
Name: Jasmine Baker
Telephone: (312) 933-0137

General Contractor

The general contractor for construction activities is responsible for installing and maintaining all stormwater pollution prevention measures proposed in this plan.

General Contractor
TBD

Contact
TBD

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

SWPPP Development

This SWPPP was developed in accordance with the New York State Stormwater Management Design Manual, erosion and sediment control standards, and accepted engineering practices, and provides the following:

- Offers protective measures to minimize sediment transport during construction activities.
- Describes the implementation of control measures that are to be used to reduce pollutant loadings from stormwater runoff during construction activities.
- Identifies potential sources of stormwater pollution from the construction site.
- Includes site wide post-construction stormwater management practices.

SWPPP Review

This SWPPP will be kept on-site and will be made available for review by the designer, general contractor, subcontractors, and applicable federal, state, and local regulatory agencies that have jurisdiction over the construction site. If necessary, any of these regulatory agencies may notify the owner that the SWPPP is not in compliance with required regulations. If the SWPPP is in need of revision, the operator of the project will make the required revisions to the SWPPP within 7 days of notification by the regulatory agency. In addition, the operator will submit a written certification that the revisions have been made and will be implemented.

SWPPP Update

When deemed necessary, the preparer or operator may amend this SWPPP by making a change in design, construction, operation, maintenance, or other item that has an effect on the potential for discharge of pollutants from stormwater runoff associated with the construction activities. Amendment of the SWPPP by the preparer or operator may also be deemed necessary under the following conditions:

- Field conditions render the erosion and sediment control measures to be ineffective in minimizing pollutants from stormwater discharges.
- To identify a new contractor that will implement any measure of the SWPPP.

The revised SWPPP should be marked as such with the revision date and shall be distributed by the owner or general contractor to the relevant parties.

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

EXISTING CONDITIONS

Site Description

The project area for this SWPPP is Erie County Block 1, Lots 70.11 & 58.111, commonly known as 3750 Millersport Highway and 580 Crosspoint Parkway, Town of Amherst, NY. The total site area is approximately 15.98 acres (Lot 70.11 is 7.99 acres, and lot 58.111 is 7.99). The project proposes the merging of these two lots under separate application. The site frontage is to the south, along Millersport Highway. See Figure 1 for a site location map.

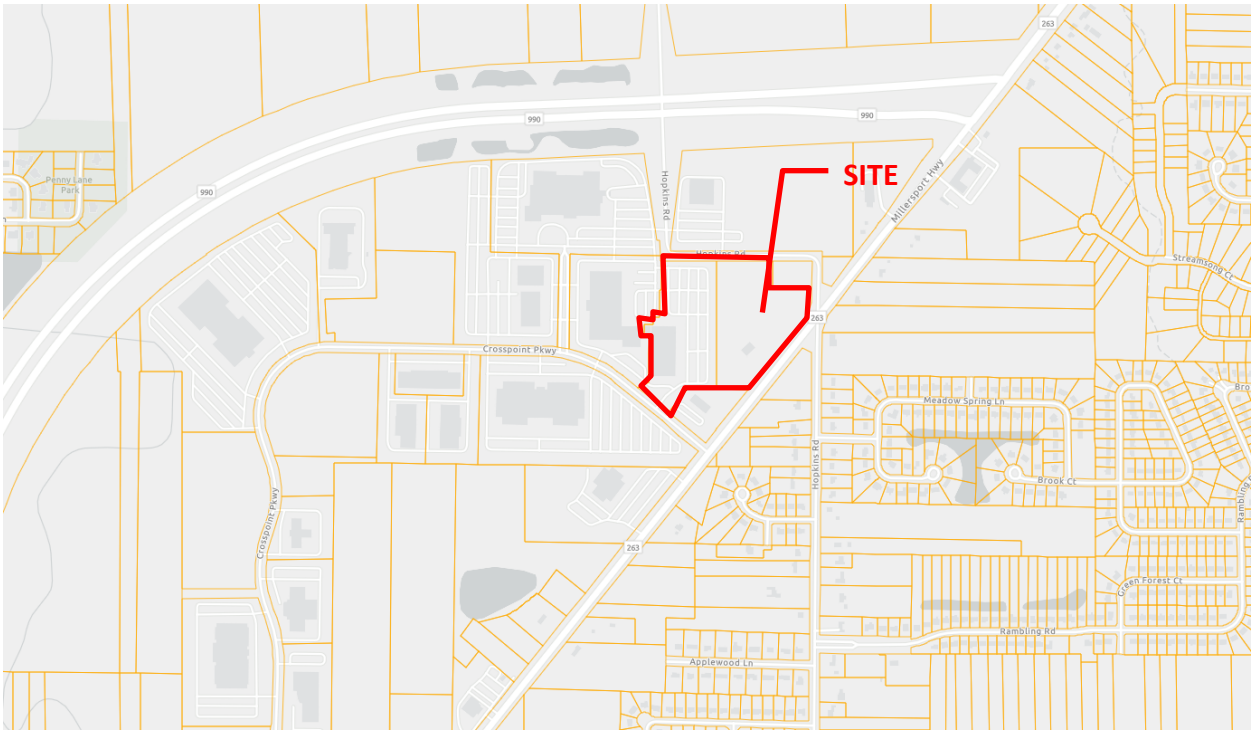


Figure 1: Site Location Map

Existing conditions on Lot 70.11 (580 Crosspointe Parkway), the western portion of the site, consists of an office building and associated parking. Lot 58.111 (3750 Millersport Highway) is currently vacant and is primarily covered by grass and carious vegetation, though there are patches of impervious surfaces which remain from the previous tenant. All proposed improvements discussed in this SWPPP report will take place on Lot 58.111.

There is an existing drainage ditch, identified as ditch 26A, which flows south to north along the existing lot line separating the two lots.

There are three wetlands located on site. Two of which are isolated wetlands, not regulated by the Section 404 of the Clean Water Act, and the third wetland, located at the southern end of the site, is subject to Army Corps of Engineers regulations. All wetlands have been reviewed by the Department of Army Corps of Engineers, and a Jurisdiction Determination has been provided for the wetlands (No. 2003-00052, dated March 26, 2020).

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

Soil Characteristics

The Soil Survey of Erie County, conducted by the U.S. Department of Agriculture (USDA) in 2022, was used to identify soil types resulting from natural deposition and modification, as well as human-induced alterations associated with land use. Figure 2 provides the USDA soil survey for the subject property. Geotechnical testing is currently being scheduled within the proposed infiltration area footprint. For the purposes of design, we have assumed an infiltration of 0.5 in/hr until testing results are received.

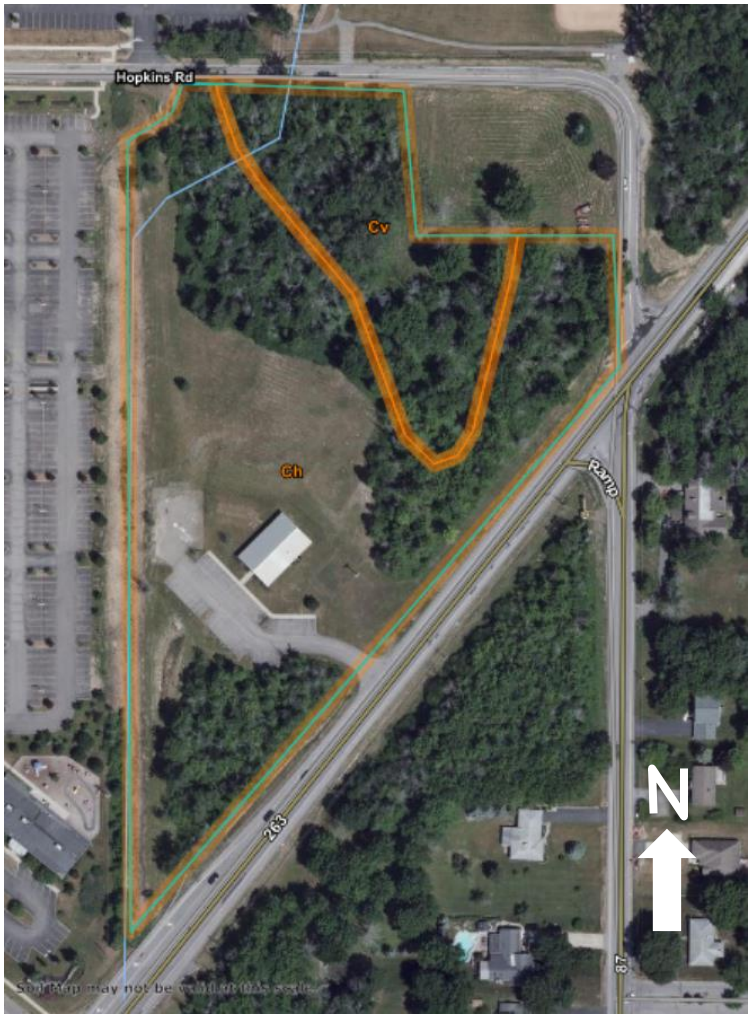


Figure 2: USDA Soil Survey
(Source: USDA Web Soil Survey)

Map Unit Symbol	Map Unit Name	Percent of AOI	Hydrologic Soil Group
Ch	Cheektowaga fine sandy loam, 0 – 3% slopes	79.0%	C/D
Cv	Cosad loamy fine sand, 0 – 3% slopes	21.0%	C/D

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

Existing Stormwater Runoff Characteristics

The existing site is currently vacant and was previously occupied by a church. The site is primarily covered by wooded and grass area, though there are impervious patches which remain from the previous tenant. The existing site is rather flat and existing stormwater runoff either ponds on-site or sheet flows west, at slopes less than 1%, to the drainage ditch. There is an existing detention pond, which served the previous development, at the south end of the site which discharges into the drainage ditch.

PROPOSED CONDITIONS

The proposed project consists of a 491-space asphalt parking lot expansion on 3750 Millersport Highway to support the existing Citi Bank Office space located at 580 Crosspointe Parkway. Proposed site improvements that will accompany the development include the clearing of wooded areas, leveling of the site, landscape improvements, hardscape improvements, on-site lighting and a stormwater management facility.

The project proposes to capture all stormwater within the proposed improvement limits via catch basins and convey stormwater via piping to an above ground infiltration basin located at the south end of the site. Stormwater from the infiltration basin will outfall to the drainage ditch on the west side of the site. The infiltration system has been designed to meet NYSDEC water quality volume, runoff reduction and peak flow requirements. A TR-55 model was established for the post site conditions utilizing HydroCAD software to determine volume size.

The project proposes to fill portions of all three existing wetlands on site to support the proposed parking lot expansion. Per Jurisdictional Determination No. 20003-00052, two of the existing wetlands onsite are considered isolated and authorization from the Department of the Army is not needed to commence work on the wetlands. The existing wetland to the south is regulated, however, and subject to Army Corps permitting. Refer to Attachment G for a copy of the Jurisdictional Determination.

EROSION AND SEDIMENT CONTROLS DURING CONSTRUCTION

The NYSDEC requires the implementation of protective measures to minimize the effect of erosion and sediment impacts from construction activities involving soil disturbance. Temporary soil erosion and sediment control measures will be applied to this site to minimize the amount of sediment carried by stormwater runoff during construction activities. The temporary structural and vegetative measures have been designed in accordance with the NYSDEC Standards and Specifications for Erosion and Sediment Control (November 2016) and the SPDES General Permit. The following summarizes the planned soil erosion and sediment control practices as shown on sheet C1.0 through C7.1 enclosed herein.

Soil Erosion and Sediment Control Practices

- Silt Fence: A r silt fence will be installed along the limits of the site to prevent any sediment laden runoff from discharging off site. Reinforced silt fence will also be placed around the base of any stockpiles. The location of silt fence is shown on Drawings C1.0 through C1.1.
- Inlet Protection: Drop fabric inlet protection will be installed in catch basins. Stone inlet protection will be installed in areas where high sediment transport is expected. Typical filter fabric inlet protection will be installed at curb inlets in areas of site development.
- Stabilized Construction Entrance: Stabilized construction entrances will be installed at locations determined by the general contractor. The likely location for the construction entrance is shown on Drawings C1.0 and C1.1, however, the operator may relocate the construction entrances if necessary and as coordinated with Richmond County and the NYSDOT. Wash-down water and runoff from the construction entrances shall be directed to appropriate soil erosion and sediment control measures.
- Dust Control: Excessive dust shall be controlled by water sprinkling.
- Surface Stabilization: Surface stabilization will be accomplished with vegetation and mulch. Roadway, concrete sidewalks, pavers and building base course will be installed as soon as finished grade is reached. All ground covers must achieve at least 80% density, and the vegetation must be thriving.
- Temporary Stabilization: Temporarily seed exposed rough-graded soil areas as required by construction schedule. Temporary seeding will be primarily limited to any long-term exposed, rough graded areas and soil stockpiles. See sheet C1.0 for construction scheduling notes. All ground covers must achieve at least 80% density, and the vegetation must be thriving.
- Staging & Equipment Storage Areas: Provide standard soil erosion and sediment control measures to all areas used for equipment staging and storage. The objective of these measures shall be to prevent any off-site sediment tracking due to equipment, loading of trucks or other vehicles, etc. Install inlet protection in these areas, as required. Short-term soil stockpiles are to be covered and protected with tarps if exposed for more than 3 days.
- Concrete Truck Washout: This facility will receive highly alkaline wash water from the cleaning of chutes, mixers, hoppers, vibrators, placing equipment, trowels, and screeds. This facility shall be sized at 7 gallons per chute and 50 gallons per hopper of concrete pump truck and located a minimum of 100 ft from the tidal wetland.

Construction Sequencing and Soil Erosion and Sediment Control Schedule

This construction schedule has been prepared to clearly outline the construction and the implementation of the soil erosion and sediment control measures. Project construction is anticipated to take place in two phases: Phase 1 will include the site clearing, rough grading and installation of erosion control measures and Phase 2 will include the construction of site utilities, proposed site improvements and site stabilization. The construction sequencing should be used as a general guide, and the contractor shall adjust as needed per field conditions. All temporary erosion and control measures are to be installed prior to site demolition (per sequencing below) and are to remain in place until the site has been fully stabilized. The construction schedule is

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

also shown on Drawing C1.0. All temporary erosion and sediment control measures are to remain in place until earthwork completion and site is permanently stabilized.

Phase 1 Schedule:

1. Obtain local and state permits and approvals prior to commencing earthwork;
2. Flag the work limits and items to be protected;
3. Hold preconstruction meeting with contractor, and project engineer at least one week prior to construction to coordinate implementation of erosion and sediment control practices;
4. Install reinforced silt fence as shown on the plan C1.0 and C1.1 or as directed by soil expert in the field. (2 Days)

   Silt fence locations should be phased such that no sediment laden water leaves the site;
5. Install drop fabric inlet protection on all existing catch basins as shown on the plan C1.0 (1 day);
6. Install staging, lay-down, and construction entrance areas on stabilized portions of the site as directed by the owner in the field (2 days);
7. All erosion and sediment control practices will be inspected daily by a trained contractor and twice a week by a qualified inspector. Needed repairs shall be made immediately. Keep areas beyond site in clean, clear condition during course of work. Temporary erosion control measures installed shall remain installed from this point until site is fully stabilized.
8. Demolish site features, building and debris, dispose of waste materials off-site in accordance with local, state, and federal regulations (2 weeks);
9. Complete rough grading and begin excavation of export material as determined by the contractor in the field. (2 months)

Phase 2 Schedule:

1. Install stormwater drainage infiltration system and pipe conveyance system. (2 months)

   Immediately upon installation of each storm inlet, install drop fabric inlet protection as shown on the plan C1.0 through C1.1. Drop fabric inlet protection to remain until site is fully stabilized.
2. Sprinkle areas of exposed soil and soil stockpiles with potable water as necessary to control dust;
3. Complete fine-grading and permanent stabilization. Install asphalt pavement, sidewalk and curb according to construction plans. (3 months)

   Prior to curb and sidewalk installation, install concrete washout station and keep on-site until all concrete work is complete and stabilized.
4. Remove all temporary erosion and sediment control measures when earthwork is complete, and all permanent surfaces are in place and established. All stormwater structures within the disturbed area and right-of-way must be clear of sediment. (2 days)

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

Maintenance Program

The trained contractor shall be responsible for the installation and maintenance of all temporary erosion and sediment control measures. A log shall be kept, documenting the maintenance of the control measures. Inspections shall be done under the supervision of a licensed Professional Engineer or Landscape Architect, or a Certified Professional in Erosion and Sediment Control. Reference "Inspections During Construction" section for inspection schedule and guidelines.

Any material removed from a temporary control measure shall be incorporated back into the earthwork as fill on the site or shall be exported according to appropriate government regulations. Any such material to be redistributed on-site will be done so in an even manner as to not change drainage patterns present at that time.

All maintenance methods described below are in direct accordance with the New York State Standards and Specifications for Erosion and Sediment Control (November 2016)

- Silt Fence: Maintenance of all silt fence installed shall be performed as needed. When "bulges" of material develop on the fence, they shall be removed. Repair the silt fence as necessary to maintain a constant barrier.
- Stabilized Construction Entrances: The stabilized construction entrances shall be maintained in a condition which will prevent tracking or flowing of sediment onto public rights-of-way. All sediment spilled, dropped, washed or tracked onto public rights-of-way must be removed immediately. When washing is required, it shall be done on an area stabilized with stone and which drains into an approved sediment trapping device. Periodic inspection and needed maintenance shall be provided after each rain.
- Dust Control: Maintain dust control measures through dry weather periods until all disturbed areas are stabilized.
- Inlet Protection: The structure shall be inspected after every storm event with repairs made as required. Remove sediment from the pool area as necessary with care not to undercut or damage the filter fabric or stone berm. Upon stabilization of the drainage area, remove all materials and unstable sediment. Bring the adjacent area of the drop inlet to grade, smooth, compact, and stabilize in the appropriate manner to the site.
- Disturbed Land: Any land disturbed and exposed for more than 7 days is to be seeded and stabilized. Apply ryegrass at 30 lb./ac in spring and summer, or winter rye at 100 lb./ac in late fall through early winter. Mulch the area with hay or straw at 2 tons/acre and anchor where wind and areas of concentrated water are concerned.

Inspection During Construction

A qualified professional shall conduct an assessment of the site prior to the commencement of construction. The qualified professional is to be a person knowledgeable in the principles and practices of erosion and sediment controls. The qualified professional shall be under the supervision of a licensed professional engineer, Certified Professional in Erosion and Sediment Control (CPESC), or soil scientist qualified in these regards.

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

Per the NYS SPDES General Permit for Stormwater Discharges – Part II.D.3, at no point in time will more than 5.0 acres of soil be disturbed at a given period. The contractor shall determine the final phasing scheme and confirm phase 1 limits of stabilization prior to commencing phase 2 soil disturbances. Please refer to the Soil Disturbance Phasing Plan (Drawing C2.1) for additional detail.

The owner or operator shall have a qualified professional conduct a site inspection at least once every seven calendar days. The qualified profession shall certify in an inspection report that the appropriate erosion and sediment control measures described within this SWPPP have been adequately installed or implemented to ensure overall preparedness of the site for the commencement of construction. A typical inspection report form for conducting the inspections is included in Appendix B. A monthly inspection summary and quarterly compliance summary for the inspections of the erosion and sediment control measures shall be prepared by a qualified professional knowledgeable in the principles and practices of a licensed engineer. The general contractor is to post on-site a summary of site inspection activities on a monthly basis.

Generally, the inspection report is to include the inspector's name, date, findings of the inspection, notes, and actions taken to repair or replace defective control measures. Copies of the inspection report are to be distributed by the general contractor to the owner and the preparer. Based on the results of the inspection, the pollution prevention measures identified in this SWPPP are to be revised and implemented as appropriate by the general contractor and SWPPP preparer within seven calendar days following the date of the inspection. Further mitigation measures are to be taken by the general contractor if warranted. Each inspection report is to remain on file at the site as part of this SWPPP. The general contractor shall post at the site, in a publicly accessible location, a summary of the site inspection activities on a monthly basis.

Prior to the completion of work, the general contractor shall have the qualified professional perform a final site inspection. The qualified professional shall certify that the site has undergone final stabilization using either vegetative or structural stabilization methods and that all temporary erosion and sediment control measures are no longer required.

POST-CONSTRUCTION STORMWATER CONTROLS

Stormwater management is essential in protecting the waters of the State of New York from the effects of urban stormwater runoff. As such, NYSDEC has developed requirements to improve the protection of these water bodies from stormwater runoff. Through the use of stormwater management practices that are in accordance with the New York State Stormwater Management Design Manual (SMDM), the water quality and quantity requirements can be met.

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

Pre-developed Drainage Area

Site topography is relatively flat and generally slopes east to west toward the existing drainage ditch on the west side of the site. There is one (1) drainage area that was outlined in the pre-development condition:

1. Existing Drainage to Ditch – This area encompasses the entire limit of disturbance on which runoff flows east to west to the existing drainage ditch on site.

Table 1: Summary of Pre-Developed Drainage Areas			
Drainage Area	**Pervious Area (acre)**	**Wooded Area (acre)**	**Impervious Area (acre)**
E-1	2.24	2.12	0.38
Total	**4.74**		

Post-Developed Drainage Area

The proposed development will be a new 491-space asphalt parking lot designed for passenger vehicles. These improvements result in a net increase of 3.57 acres of impervious surfaces. The proposed parking lot is designed to have a series of low points throughout, where stormwater will be collected via inlets and conveyed to the infiltration basin at the south end of the site. Drainage from the basin will outfall to the existing drainage ditch to the west, thus maintaining existing drainage patterns.
The post-development condition has one drainage area:

1. Proposed Drainage to Infiltration Basin (P-1) –Includes all runoff associated with the proposed improvements and this runoff will be conveyed to the infiltration basin.

Table 2: Summary of Post-Developed Drainage Areas		
Drainage Area	**Pervious Area (acre)**	**Impervious Area (acre)**
P-1	0.79	3.95
Total	**4.74**	

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

Above-Ground Infiltration Basin

Stormwater runoff from the entirety of the proposed improvements will be collected via inlets, conveyed via pipes and discharged to an infiltration basin located at the southern end of the site. Stormwater runoff from the infiltration basin will outfall to the drainage ditch at the western edge of the site. Prior to entering the basin, stormwater runoff will be pretreated through a forebay and be discharged to the basin via a riprap pad which extends from the forebay peak to the basin. The infiltration basin has been sized to infiltrate the water quality storm and includes an outlet control structure which will provide flow reductions per NYSDEC requirements. Refer to table 1 below for a summary of infiltration basin sizing.

Table 3 – Infiltration Basin Summary

Basin ID	Basin Type	SHWT EL (NAVD88)	Bottom of Soil/Stone Media (NAVD88)	Basin Invert (NAVD88)	Water Quality Storm Elev (NAVD88)	100-Year Storm Elev (NAVD88)	Emergency Spillway Elev (NAVD88)
Basin 01	Infiltration Basin	<570.00	572.75	573.25	574.62	576.24	576.75

Table 4 – Outlet Control Structure Summary

OUTLET CONTROL STRUCTURE	Culvert Out Elevation (NAVD88)	12″ Low Flow Orifice Elevation (NAVD88)	6″ 10-yr Storm Orifice (NAVD88)	Weir Height (NAVD88)
OCS - 23	574.50	574.50	574.80	576.00

Water Quality Requirements and Controls

NYSDEC requires the treatment of the water quality volume, as defined in Section 4.2 of the SMDM. This volume is designed for the 90% rainfall event number for the State of New York, and derived from the impervious coverage of the development, as well as the contributing drainage area. The water quality volume is required to be treated through the implementation of acceptable stormwater management practices. Refer to Table 1 for Water Quality Volume Calculations.

Water quality controls for this SWPPP have been sized following the criteria of Section 4.2 of the SMDM. For this project, water quality control will follow Section 6.1 – Infiltration Basin. The system consists of one 36,283 cf infiltration basin which will treat all stormwater runoff from the proposed surface improvements. The system will infiltrate, store, and ultimately discharge runoff to the existing drainage ditch to the west.

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

Table 5: Water Quality Volume Requirement (WQ_V)								
Proposed Conditions								
P	=	90% Rainfall Event	=	1.0	inches			
I	=	Impervious Cover	=	83	%			
R_V	=	0.05 + 0.009 * I	=	0.80				
A	=	Contributing Area	=	206,530	sf	=	4.74	ac
Water Quality Volume Required								
WQ_V	=	(P * R_V * A) / 12						
WQ_V	=	(1.0 * 0.95 * 4.74) / 12	=	0.32	ac-ft			
Water Quality Provided			**=**	**0.32**	**acre-feet**			
				13,766	**cf**			

Based on the water quality calculations in Table 1, the infiltration basin must be designed to capture and treat 13,766 cubic feet (0.32 ac-ft). To meet water quality volume requirements, the basin is designed so there is 1.25 ft of storage prior to the first outlet structure. This equates to 13,800 cf, thus the treatment capacity provided exceeds the minimum water quality sizing requirement.

Pretreatment

Per Section 6.3.3 of the NYS SWMP, prior to entering an infiltration practice the pretreatment volume required shall be 25% of the water quality volume. To achieve this, all stormwater on-site discharges into a forebay prior to entering the infiltration basin. The forebay has been sized per Section 6.3.3, and 6.4.3 of the NYS Stormwater Design Manual. Please refer to Tables 3 below for pretreatment requirements and proposed pretreatment measures.

Table 6: Pretreatment Summary (Forebay)				
Pretreatment Volume Required				
Min Volume Required	V	=	25% WQ_V	
V = 0.25*13,766 cf	V	=	3,442	cf
Volume Proposed	**V**	**=**	**3,500**	**cf**
Depth Proposed	**D**	**=**	**3 ft**	
Proposed Length/Width	**L/W**	**=**	**1.5**	

Runoff Reduction Volume (RR_V) Requirement

NYSDEC requires the implementation of acceptable stormwater management practices to control site runoff. The stormwater management practices must be adequately sized in accordance with Section 4.3 and 4.4 of the SMDM to provide for the required runoff reduction for stream channel protection. This site will capture and infiltrate in excess of the required water quality volume via groundwater recharge. As a result, the runoff reduction volume requirement has been met. All

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

areas outside of the proposed hardscape will be permeable vegetated landscaping and will therefore not be collected as it is a hydraulic improvement upon the existing conditions.

Peak Flow Requirements

The NYSDEC water quantity control requirements are concerned with the peak discharge rates of the stormwater runoff in both the pre-developed and post-developed phases of the site. As outlined in Sections 4.6, 4.7, and 4.8 of the SMDM, the peak discharges for the pre-developed and post-developed site must be computed for the 1-year, 10-year, and 100-year storms to meet the Stream Channel Protection, Overbank Flood Control, and Extreme Flood Control Requirements respectively. To determine these peak discharge rates a TR-55 model was established for both the pre and post site conditions utilizing HydroCAD software. Please refer to Attachment C and D for pre-development and post-development hydrologic calculations.

Stream Channel Protection Requirement – 1-year Storm

The Stream Channel Protection Requirements require the development to provide 24-hr extended detention for the 1-year, 24-hr design storm that remains after runoff reduction. The development proposes to route all stormwater from the proposed improvements to an infiltration basin at the south end of the site. The 1-year post-development peak discharge rate is less than 2.0 cfs, thus, per Section 4.6 of the NYDEC Stormwater Management Design Manual Stream Channel Protection Volume Requirements are waived for this development. Refer to Table 7 below for a brief summary of the 1-year storm peak discharge rates.

Table 7: Summary of Pre- and Post-development Peak Discharge Rates

Design Point	1-year, 24-hour Storm Event (2.16 in/hr)		
	Pre-development (cfs)	Post Development (cfs)	Reduction (%)
Point of Analysis - 1	1.10	0.03	97%

Overbank Flood Control Criteria Requirement – 10-year Storm

The Total Overbank Flood Control Criteria Requirement requires that the post-developed peak discharge is equal to or less than the pre-developed discharge for the 10 year, 24 hr storm, which in this part of New York State is 3.06 inches per hour. Using a TR-55 Model, the pre-developed discharge was calculated to be 3.62, and the peak post-development discharge was calculated to be 2.20 cfs. Refer to Table 8 below for a summarization of the Overbank Flood Control Requirement calculations.

Table 8: Summary of Pre- and Post-development Peak Discharge Rates

Design Point	10-year, 24-hour Storm Event (3.06 in/hr) (Q_P)		
	Pre-development (cfs)	Post Development (cfs)	Reduction (%)
Point of Analysis - 1	3.62	2.20	39%

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

Extreme Storm Criteria Requirement – 100-year Storm

The Extreme Storm Criteria Requirement requires that the post-developed peak discharge is equal to or less than the pre-developed discharge for the 100-year storm, which in this part of New York is 5.05 inches per hour. Using a TR-55 model, the pre-developed discharge for the northern and southern outfalls was calculated to be 8.79, and the peak post-development discharge was calculated to be 6.62. Refer to Table 9 for a summarization of the Extreme Storm Criteria Requirement calculations.

Table 9: Summary of Pre- and Post-development Peak Discharge Rates

Design Point	100-year, 24-hour Storm Event (5.05 in/hr) (Q_p)		
	Pre-development (cfs)	Post Development (cfs)	Reduction (%)
Point of Analysis - 1	8.79	6.62	25%

Post-Construction Stormwater Controls Maintenance

Following the permanent stabilization of each phase of construction, the owner of the site is to be responsible for maintaining the site's stormwater controls. Please refer to Appendix F of this report for the Operations and Maintenance Manual. Below is a list of several of the items discussed in the manual:

1. Infiltration Basin: Please refer to Operation and Maintenance Manual in Appendix F of this report for details regarding infiltration basin maintenance. The owner/operator of the site will be required to operate and maintain the detention units in accordance with these recommendations.
2. At a minimum, the owner/operator of the site will inspect the storm drainage network (pipes, catch basins, detention facilities, etc.) four times a year. A log of maintenance and inspections must be kept in accordance with the manufacturer's recommendations.
3. Catch basin and storm manhole sumps shall be inspected and cleaned when 50% of the sump capacity is filled with sediment.
4. Inlet grates shall be inspected regularly, and debris removed from the grate when necessary.

Non-Stormwater Discharge Controls

Possible sources of non-stormwater discharges associated with the construction activity are identified below. This SWPPP is designed to convey all non-stormwater discharges to on-site control measures, away from public streets or adjacent properties. The following are additional stormwater pollution prevention measures for non-stormwater discharge:

1. The general contractor is to coordinate with the owner for identifying areas on-site for construction vehicle transit (i.e. – haul roads, contractor trailers and parking areas, etc.) or equipment staging which shall be monitored and where runoff can be controlled.
2. Water used for dust control measures shall be applied using appropriate quantities and equipment. No chemical additives shall be used.

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

3. Trucks shall be washed out in an area approved of by the owner or owner's representative. All runoff from these activities shall be directed to the on-site control measures.

The following non-stormwater discharges are authorized:

- Those listen in 6 NYCRR 7501.2(a)(29)(vi), with the following exception: "Discharges from firefighting activities are authorized only when the firefighting activities are emergencies/unplanned"; waters to which other components have not been added that are used to control dust in accordance with the SWPPP; and uncontaminated discharges from construction site de-watering operations

In the post developed condition there are no locations of discharges associated with industrial and commercial activity.

Winter Conditions

During non-winter months, periodic inspections are to occur as described above until construction is completed and the site is stabilized. During winter operation (i.e. suspended soil disturbance, site stabilization), however, the owner may reduce inspection frequencies in accordance with the NYSDEC's Winter Site Stabilization/Site Inspections for Construction Sites. Under winter conditions, inspections are to be performed at least once every 30 days. Non-winter inspection frequencies are to resume upon resumption of construction activities, but no later than March 15th. Refer to NYSDEC SPDES General Permit (Attachment G) for additional information regarding winter shutdown procedures.

Inventory for Pollution Prevention Plan

The following materials or substances listed below are expected to be present on-site during demolition and construction, but are not limited to:

- Concrete and concrete products
- Paints
- Bituminous concrete products
- Wood
- Asphalt
- Plastics
- Diesel and gasoline fuels
- Silicon (sealants)
- Steel

Spill Prevention

The following are material management practices that are to be used by the general contractor to reduce the risk of spills or other accidental exposure of materials and substances to storm water runoff during construction:

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

1. Materials stored on-site with the potential for spillage are to be stored in a neat and orderly manner in their appropriate containers. Materials with a potential for spillage shall be stored under a roof or other enclosure when possible.
2. Products are to be kept in their original containers with the original manufacturer's label.
3. Substances are not to be mixed with one another unless recommended by the manufacturer.
4. Prior to disposal, a product is to be completely used up or its container is to be resealed whenever possible.
5. Manufacturers' recommendations for proper use and disposal are to be followed.
6. During periodic inspections, the proper use and disposal of materials is to be recorded on the inspection form.
7. On-site vehicles are to be monitored for leaks and receive regular preventive maintenance to reduce the chance of leakage of petroleum products. Petroleum products are to be stored in closed containers that are clearly labeled. Used oils are to be disposed of properly.
8. Materials are to be brought on-site in the minimum quantities required to limit on-site storage.
9. Paint containers are to be tightly sealed and properly stored when not required for use. Excess paint, solvents, and other similar products shall not be discharged to the storm sewer system. These items are to be properly disposed of according to manufacturers' instructions or state and local regulations.
10. Proper precautions are to be taken so materials do not spill onto public thoroughfares. If materials are spilled in these areas, they are to be removed immediately so that they do not enter the surface and subsurface drainage systems.
11. Oil containers are to have appropriate secondary containment. If total oil storage on-site exceeds a cumulative total of 1,320 gallons, then a Spill Prevention Control and Countermeasure (SPCC) plan must be prepared by the owner.

If necessary, the contractor is to prepare an SPCC plan to cover proposed activities.

Spill Control Practices

The following practices are to be adhered to by the general contractor for spill prevention and cleanup.

1. Spills of petroleum, toxins, or hazardous material are to be reported to the owner and appropriate state or local government agencies immediately, regardless of size.
2. Manufacturers' recommended methods for spill cleanup are to be clearly posted at the site. Site personnel are to be made aware of the procedures and the location of the information and cleanup supplies.

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

3. Materials and equipment necessary for spill cleanup are to be kept in designated material storage areas on-site. Equipment and materials are to include but not be limited to brooms, dust pans, mops, rags, gloves, goggles, spill control materials, sand, sawdust, and trash containers specifically for this purpose.
4. Spills are to be cleaned up immediately after discovery.
5. The spill area is to be kept well-ventilated, and personnel are to wear appropriate protective clothing to prevent injury from contact with hazardous substances.
6. A spill report is to be completed and filed in the SWPPP and is to include a description of the spill, the cause of the spill, and the corrective actions taken.

Additional Stormwater Controls

The following is a description of additional controls and measures that are to be implemented at the site by the general contractor to minimize pollutant transport:

1. Solid waste disposal dumpsters and containers are to be covered and emptied regularly. Solid waste is to be disposed of properly in accordance with local regulations.
2. Portable toilets are to be installed and cleaned regularly with their contents properly disposed of.
3. Construction materials are to be properly stored and contained on-site.

CERTIFICATIONS AND FORMS

The following certifications forms are to be reviewed, understood, filled out, and signed by the appropriate personnel at the appropriate time:

1. The Pre-Construction Documents & Certifications provided in Appendix A shall be filled out by the operator, preparer and qualified professional, as appropriately shown in the section.
2. The Construction Duration Inspections form provided in Appendix B is to be filled out and signed by the qualified professional that will perform site inspections and oversee installation of erosion control measures for this project.
3. The Monthly Summary of Site Inspection Activities form provided in Appendix C is to be filled out and signed by the owner, or the duly authorized representative of the owner (the preparer).
4. The Contractor's Certification Statement provided in Appendix D is to be filled out and signed by the operator/general contractor
5. The Sub-Contractor's Certification Statement provided in Appendix D is to be filled out and signed by all subcontractors.
6. The Certificate of Issuance provided in Appendix D is to be filled out and signed by the operator and preparer prior to performing any site work.
7. The Erosion and Sediment Control Identification form provided in Appendix D is to be filled out by the operator.

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

8. Records of site work and site stabilization are to be kept on the Construction Stabilization form provided in Appendix D and is to be filled out by the operator as necessary.
9. The Certificate of Change by the Contractor provided in Appendix D is to be filled out and signed by the operator upon implementation of any requested changes to the SWPPP by the owner, preparer, or any local authority having jurisdiction over the project site. Changes to the SWPPP are only to be made when the plan or contractor's implementation proves to be ineffective in eliminating or significantly minimizing pollutants from the construction activity.
10. The Final Stabilization and Retention of Records form provided in Appendix E is to be filled out and signed by the qualified professional that will perform site inspections and oversee installation of erosion control measures for this project.
11. The Post-Construction Stormwater Management form is to be filled out and signed by the qualified professional that performed the site inspections and oversaw installation of SMP for the project.
12. The Certificate of Return provided in Appendix E is to be filled out and signed by the operator and owner after final stabilization of the site has been completed.
13. NYSDEC Notice of Termination (NOT) will be filed by the owner or its representative upon completion of the site's final stabilization.

RETENTION OF RECORDS

The following are to be retained by the owner at the site and for a period of three years from the date the site is finally stabilized:

1. SWPPP
2. Contract Documents including contract drawings and technical specifications
3. Stormwater inspections and maintenance reports
4. Contractor Certification
5. SWPPP Certification Statement of Satisfactory Completion
6. Correspondence regarding stormwater practices

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

REFERENCES

New York State Standards and Specifications for Erosion and Sediment Control. New York State Department of Environmental Conservation, November 2016.

New York State Stormwater Management Design Manual, New York State Department of Environmental Conservation, July 2024.

SPDES General Permit for Stormwater Discharges. New York State Department of Environmental Conservation, January 2020.

Urban Hydrology for Small Watersheds – TR-55. United Stated Department of Agriculture, June 1996.

Soil Survey of Richmond County New York. United States Department of Agriculture. 2023

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

ATTACHMENT A

Construction Drawings

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

HOPKINS ROAD
66.WIDE
(PUBLIC R.O.W.)

STABILIZED CONSTRUCTION ENTRANCE

STABILIZED CONSTRUCTION ENTRANCE

5" MAPLE

6" DECIDUOUS

10" DECIDUOUS

PARCEL "A"

10" DECIDUOUS

12" DECIDUOUS

8" Maple

9" DECIDUOUS

TREE PROTECTION FENCE (TYP)

SOIL TYPES DELINEATION LINE

APPROXIMATE LIMIT OF TEMPORARY EASEMENT LINE, PROPERTY LINE TO BE FINALIZED ONCE THE HOPKINS ROAD IMPROVEMENTS ARE RECORDED WITH ERIE COUNTY

SET CAP REBAR

TEMPORARY EASEMENT BY THE PEOPLE OF THE STATE OF NEW YORK BY MAP NO. 160, PARCEL 190 (LIBER 11430 DEEDS PAGE 4977)

OWNER NOW OR FORMERLY CITIGOUP TECHOLOGY INC. S.B.L. NO. 28.00-1-58.22 (2360 HOPKINS ROAD)

PARCEL "D"

APPROPRIATION OF PROPERTY BY THE PEOPLE OF THE STATE OF NEW YORK BY MAP NO. 159, PARCEL 188 (LIBER 11430 DEEDS PAGE 4977)

PARCEL "C"

Cv

Ch

RIP-RAP

SILT FENCE (TYP)

RIP-RAP

LIMIT OF DISTURBANCE 229,511 SF (5.27 AC)

GAS MARKER

VACANT LOT
LOT AREA=
7.993 Acres ±

PARCEL "B"

10" Deciduous

80.00' WIDE PERMANENT PUBLIC STORM DRAINAGE EASEMENT BY LIBER 10895 DEEDS PAGE 3248

TREE LINE

SOIL STOCKPILE/STAGING AREA

CRUSHED STONE

6" MAPLE

CONCRETE WASHOUT STATION FENCE

30' X 20' CONCRETE WASHOUT STATION. CONTRACTOR TO ENSURE WASHOUT STATION SIZE MEETS NYS STRANDARDS AND SEPCIFICATIONS FOR EROSION AND SEDIMENT CONTROL

8" PVC E INV. 573.52'

6" PVC W INV. 573.83'

MILLERSPORT HIGHWAY
WIDTH VARIES
(PUBLIC R.O.W.)

LEGEND

- BOUNDARY
- EASEMENT
- CENTERLINE
- CURB
- SIDEWALK
- CURB RAMPS
- SIGN
- PAVEMENT MARKINGS
- CROSSWALK STRIPING
- FIRE HYDRANT
- CATCH BASIN
- WATER VAULT
- TREES
- STORM DRAIN
- OVERHEAD UTILITY
- UTILITY POLE
- LIGHT POLE
- WATERLINE
- SILT FENCE
- LIMIT OF DISTURBANCE
- INLET PROTECTION
- STORM MANHOLE
- TREE PROTECTION FENCE
- STABILIZED CONSTRUCTION ENTRANCE
- TREE LINE SOIL TYPE DELINEATION LINE

TOTAL LIMIT OF DISTURBANCE: 5.27 ACRES (229,511 SF)

SCALE: 1" = 40'

WARE MALCOMB
LEADING DESIGN FOR COMMERCIAL REAL ESTATE

45 w 21st street
6th floor
new york, ny 10010
p. 646.680.7000
waremalcomb.com

FOR AND ON BEHALF OF WARE MALCOMB

CITI - CROSSPOINT EXPANSION
SWPPP DRAWINGS
BLOCK 1, LOTS 70.11 & 58.111
3750 MILLERSPORT HWY, AMHERST, NY 14068

SOIL EROSION AND SEDIMENT CONTROL PLAN - PHASE 1

NO.	DATE	REMARKS

JOB NO.:	NYC24-4006
PA / PM:	E. WILKES
DESIGNED:	K. SEILER
DATE:	09/20/24
PLOT DATE:	09/19/24

SHEET
C1.0
Sheet 01 of 10

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Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

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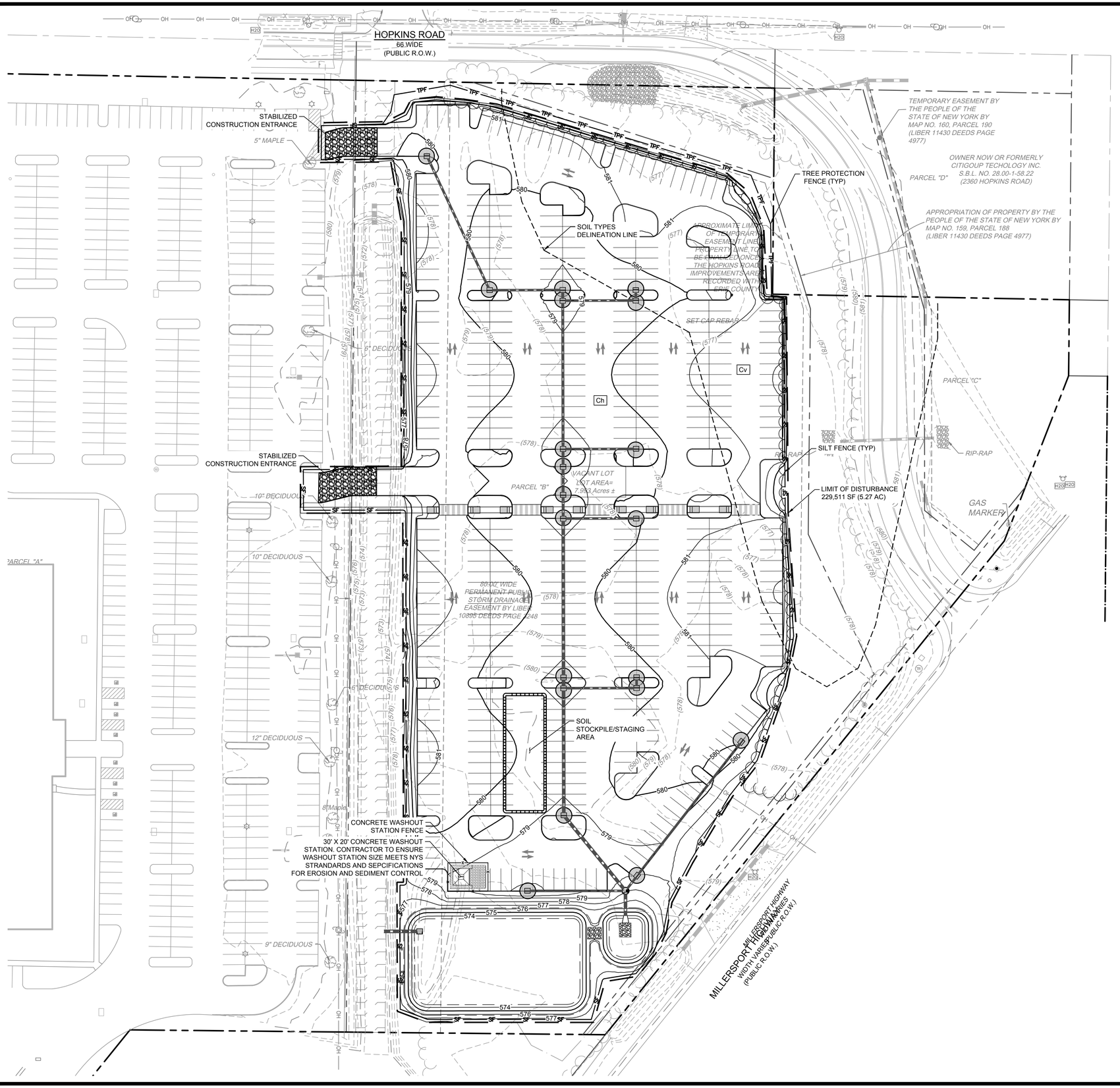

LEGEND

EXISTING		PROPOSED
	BOUNDARY	
	EASEMENT	
	CENTERLINE	
	CURB	
	SIDEWALK	
	CURB RAMPS	
	SIGN	
	PAVEMENT MARKINGS	
	CROSSWALK STRIPING	
	FIRE HYDRANT	
	CATCH BASIN	
H2O	WATER VAULT	
	TREES	
	STORM DRAIN	
OH	OVERHEAD UTILITY	
	UTILITY POLE	
	LIGHT POLE	
WM	WATERLINE	
	SILT FENCE	SF
	LIMIT OF DISTURBANCE	
	INLET PROTECTION	
	STORM MANHOLE	SM
	TREE PROTECTION FENCE	TPF
	STABILIZED CONSTRUCTION ENTRANCE	

TOTAL LIMIT OF DISTURBANCE: 5.27 ACRES (229,511 SF)

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45 w 21st street
6th floor
new york, ny 10010
p. 646.680.7000
waremalcomb.com

FOR AND ON BEHALF OF WARE MALCOMB

CITI - CROSSPOINT EXPANSION
SWPPP DRAWINGS
BLOCK 1, LOTS 70.11 & 58.111
3750 MILLERSPORT HWY, AMHERST, NY 14068

NO.	DATE	REMARKS

SOIL EROSION AND SEDIMENT CONTROL PLAN - PHASE 2

JOB NO.:	NYC24-4006
PA / PM:	E. WILKES
DESIGNED:	K. SEILER
DATE:	09/20/24
PLOT DATE:	09/19/24

SHEET
C1.1
Sheet 02 of 10

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NOT FOR CONSTRUCTION UNTIL SIGNED

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CAUTION: IF THIS SHEET IS NOT 24"x36" IT IS A REDUCED PRI

GENERAL PROJECT NOTES:

1. THE PROPERTY IS KNOWN AS AMHERST BLOCK 1, LOTS 70.11 & 58.111.
2. THE PROPERTY LIES IN OB (OFFICE BUILDING) AND RD (RESEARCH DEVELOPMENT) DISTRICTS. .
3. EXISTING CONDITIONS REFERENCED FROM SURVEY TITLED "TOPOGRAPHICAL SURVEY - PRELIMINARY COPY; LOT 1, BLOCK 196" DATED 04/10/2019, PREPARED BY MERIDIAN.
4. THE PROJECT VERTICAL DATUM AND ELEVATIONS ARE BASED UPON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).
5. THE PROJECT HORIZONTAL DATUM IS BASED UPON NEW YORK STATE PLANE COORDINATE SYSTEM OF 1983 (NAD83).
6. THE MEAN HIGH WATER ELEVATION IS 2.23 (NAVD 1988) PER TIDAL BENCHMARK PID KV0442.
7. ALL EROSION AND SEDIMENT CONTROL MEASURES ARE GOVERNED BY THE NYS DEC APPROVED SWPPP. SEE APPROVED SWPPP FOR DETAILS.

SOIL EROSION NOTES:

1. THE CONTRACTOR IS REQUIRED TO INSTALL SOIL EROSION AND SEDIMENT CONTROL MEASURES PER CONTRACT DRAWINGS AND SPECIFICATIONS.
2. DEWATERING: DEP DEWATERING PRACTICES WILL BE USED TO PREVENT PONDING OF WATER DURING CONSTRUCTION. CONTRACTOR TO OBTAIN ALL PERMITS. SEE NOTE #1 UNDER "CONSTRUCTION ACTIVITY" FOR SPECIFIC DEWATERING MEASURES.
3. STORMWATER RUN-OFF: CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER DISPOSAL OF STORMWATER RUN-OFF DURING CONSTRUCTION TO AN ON-SITE STORMWATER FILTRATION AND DRAINAGE SYSTEM IN CONFORMANCE WITH THE NYC DEC REGULATIONS AND SPECIFICATIONS.

MAINTENANCE NOTES:

1. THE CONTRACTOR WILL BE RESPONSIBLE FOR THE PROPER CONSTRUCTION AND MAINTENANCE OF ALL TEMPORARY EROSION AND SEDIMENTATION CONTROL MEASURES AND RELATED ITEMS INCLUDED WITHIN THIS PLAN. THE CONTRACTOR WILL ALSO BE RESPONSIBLE FOR THE PROPER CONSTRUCTION AND STABILIZATION OF PERMANENT CONTROL MEASURES AND RELATED ITEMS INCLUDED WITHIN THIS PLAN THROUGH COMPLETION OF CONSTRUCTION.
2. ALL EROSION AND SEDIMENT CONTROLS SHALL REMAIN IN PLACE UNTIL THE TRIBUTARY AREA TO THE CONTRO LIS COMPLETELY STABILIZED. ALL CONTROLS SHALL BE CHECKED DAILY AND AFTER STORM EVENTS TO ENSURE THEY ARE IN PROPER WORKING ORDER.
3. THE OWNER WILL BE RESPONSIBLE FOR THE MAINTENANCE OF ALL PERMANENT CONTROL MEASURES.
4. SEDIMENT REMOVED FROM ANY TEMPORARY CONTROL MEASURE DURING REGULAR MAINTENANCE MAY BE INCORPORATED BACK INTO THE EARTHWORK AS FILL ON THE SITE IF APPROVED BY THE ENGINEER. SEDIMENT THAT IS NOT APPROVED FOR FILL MUST BE DISPOSED OF IN ACCORDANCE WITH ALL APPLICABLE REGULATIONS AND GUIDELINES.
5. ALL EROSION AND SEDIMENT CONTROL PRACTICES WILL BE CHECKED FOR STABILITY AND OPERATION FOLLOWING EVERY RUNOFF-PRODUCING RAINFALL BUT IN NO CASE LESS THAN ONCE A WEEK. ANY NEEDED REPAIRS WILL BE MADE IMMEDIATELY TO MAINTAIN ALL PRACTICES DURING A SPECIFIC CONSTRUCTION STAGE.
6. SEDIMENT WILL BE REMOVED FROM BEHIND THE SILT FENCE WHEN ACCUMULATION IS APPROXIMATELY 4 INCHES AT THE FENCE, OR WHEN BULGES DEVELOP IN THE FENCE. THE SILT FENCE WILL BE REPAIRED AS NECESSARY TO MAINTAIN A BARRIER.
7. THE STABILIZED CONSTRUCTION ENTRANCES SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. ALL SEDIMENT SPILLED, DROPPED, WASHED, OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.
9. IN ADDITION TO IMPLEMENTATION AND MAINTENANCE OF EROSION AND SEDIMENT CONTROL MEASURES FOR ONGOING ACTIVE CONSTRUCTION ACTIVITY, THE CONTRACTOR SHALL INITIATE STABILIZATION MEASURES AS SOON AS POSSIBLE IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED BUT IN NO CASE NO MORE THAN 7 DAYS AFTER THE CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAD TEMPORARILY OR PERMANENTLY CEASED.
10. THE ACCESS SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY OR STREETS. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL AGGREGATE. ALL SEDIMENT SPILLED, DROPPED, OR WASHED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY. WHEN NECESSARY, WHEELS MUST BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE ONTO PUBLIC RIGHTS-OF-WAY. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH AGGREGATE, WHICH DRAINS INTO AN APPROVED SEDIMENTTRAPPING DEVICE. ALL SEDIMENT SHALL BE PREVENTED FROM ENTERING STORM DRAINS, DITCHES, OR WATERCOURSES.

INSPECTION DURING CONSTRUCTION:

TO MEET NYS DEC REQUIREMENTS A QUALIFIED PROFESSIONAL SHALL CONDUCT AN ASSESSMENT OF THE SITE PRIOR TO THE COMMENCEMENT OF CONSTRUCTION. THE QUALIFIED PROFESSIONAL IS TO BE A PERSON KNOWLEDGEABLE IN THE PRINCIPLES AND PRACTICES OF EROSION AND SEDIMENT CONTROLS. THE QUALIFIED PROFESSIONAL SHALL BE UNDER THE SUPERVISION OF A LICENSED PROFESSIONAL ENGINEER, CERTIFIED PROFESSIONAL IN EROSION AND SEDIMENT CONTROL (CPESC), OR SOIL SCIENTIST QUALIFIED IN THESE REGARDS. THE QUALIFIED PROFESSIONAL SHALL CERTIFY IN AN INSPECTION REPORT THAT THE APPROPRIATE EROSION AND SEDIMENT CONTROL MEASURES DESCRIBED WITHIN THE SWPPP HAVE BEEN ADEQUATELY INSTALLED OR IMPLEMENTED TO ENSURE INSPECTIONS ARE TO BE COMPLETED AT LEAST TWICE A WEEK. A TYPICAL INSPECTION SUMMARY AND QUARTERLY COMPLIANCE SUMMARY FOR THE INSPECTION OF THE EROSION AND SEDIMENT CONTROL MEASURES SHALL BE PREPARED BY A QUALIFIED PROFESSIONAL KNOWLEDGEABLE IN THE PRINCIPLES AND PRACTICES OF A LICENSED ENGINEER. THE GENERAL CONTRACTOR IS TO POST ON-SITE A SUMMARY OF SITE INSPECTION ACTIVITIES ON A MONTHLY BASIS.

PLANNED EROSION AND SEDIMENT CONTROL PRACTICES:

1. SILT FENCE OR SILT BARRIER: AS INDICATED ON DRAWINGS AND OR AS DIRECTED BY SOIL EXPERT IN FIELD.
2. INLET PROTECTION: AS INDICATED, PROVIDE INLET PROTECTION ON ALL INSTALLED DRAINS AND GRATES UNTIL THE SITE IN COMPLETELY STABILIZED.
3. STAGING, LAY-DOWN, AND CONSTRUCTION ENTRANCE AREAS: STAGING, LAY-DOWN, AND ENTRANCE AREAS FOR VEHICLES AND EQUIPMENT ARE TO BE LOCATED ON STABILIZED PORTIONS OF THE SITE AS DIRECTED BY THE OWNER IN THE FIELD. VEHICLES AND EQUIPMENT ARE TO BE WASHED DOWN IN STABILIZED AREAS PRIOR TO EXITING THE SITE AS NEEDED. WASH DOWN WATER SHALL BE DIRECTED TO SITE EROSION AND SEDIMENT CONTROLS.
4. SURFACE STABILIZATION: PAVEMENT COURSES WILL BE INSTALLED AS SOON AS FINISHED GRADE IS REACHED. NO SOIL SHALL REMAIN UNSTABILIZED FOR OVER 7 DAYS. TEMPORARY STABILIZATION SHALL CONFORM TO NYSDEC STANDARDS.
5. DUST CONTROL: SHOULD EXCESSIVE DUST BE GENERATED, IT WILL BE CONTROLLED BY SPRINKLERING.
6. TEMPORARY STOCKPILE: SHOULD SOIL STOCKPILING BE NECESSARY ON SITE, MAINTAIN STOCKPILES IN ACCORDANCE WITH NYSDEC REQUIREMENTS. CONSTRUCT STOCKPILES SO THAT HEIGHT DOES NOT EXCEED 15 FEET, SIDE SLOPES ARE NOT STEEPER THAN 2H:1V, AND SILT FENCE IS INSTALLED AROUND THE PERIMETER. COVER ALL STOCKPILES WHICH WILL BE INACTIVE FOR MORE THAN 7 DAYS WITH POLY SHEETING, STABILIZE WITH TEMPORARY SEEDING, OR APPLY A LIQUID COPOLYMER FOR DUST SUPPRESSION (GORILLA SNOT OR APPROVED EQUAL).

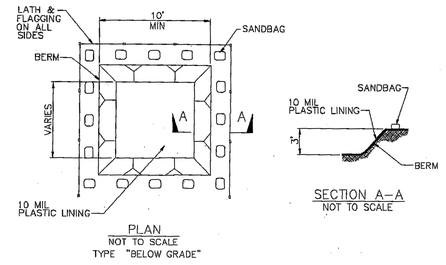
SOIL EROSION AND SEDIMENT CONTROL SCHEDULE:

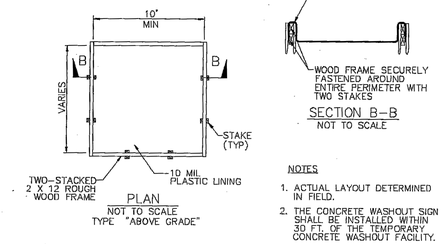
PHASE 1:

1. OBTAIN LOCAL AND STATE PERMITS AND APPROVALS PRIOR TO COMMENCING EARTHWORK.
2. FLAG THE WORK LIMITS AND ITEMS TO BE PROTECTED.
3. HOLD PRE-CONSTRUCTION MEETING WITH CONTRACTOR, PROJECT ARCHITECT, AND PROJECT ENGINEER AT LEAST ONE WEEK PRIOR TO COORDINATE IMPLEMENTATION OF EROSION AND SEDIMENT CONTROL PRACTICES.
4. INSTALL REINFORCED SILT FENCE, INLET PROTECTION, AND ALL OTHER POLLUTION PREVENTION ESC MEASURES AS SHOWN ON THE PLAN C1.0 OR AS DIRECTED BY SOIL EXPERT IN THE FIELD. SILT FENCE SHOULD BE PHASED SO THAT NO SEDIMENT LADEN WATER LEAVES THE SITE.
5. INSTALL STAGING, CONCRETE WASHOUT STATION, LAY-DOWN AND CONSTRUCTION ENTRANCE AREAS ON STABILIZED PORTIONS OF THE SITE AS DIRECTED BY THE OWNER IN THE FIELD.
6. ALL EROSION AND SEDIMENT CONTROL PRACTICES WILL BE INSPECTED DAILY BY A TRAINED CONTRACTOR AND TWICE PER WEEK BY A QUALIFIED PROFESSIONAL. NEEDED REPAIRS SHALL BE MADE IMMEDIATELY. KEEP AREAS BEYOND SITE IN CLEAN, CLEAR CONDITION DURING COURSE OF WORK.
7. REMOVE NECESSARY SITE FEATURES AND DEBRIS. DISPOSE OF WASTE MATERIALS OFF-SITE IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REGULATIONS.

PHASE 2:

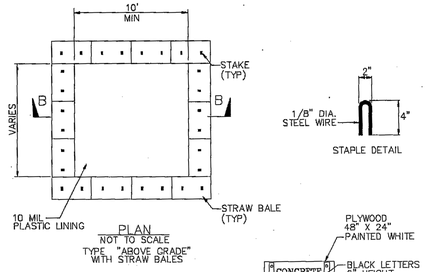
1. INSTALL STORMWATER DRAINAGE SYSTEM INCLUDING SEDIMENTATION TANK.
2. SPRINKLE AREAS OF EXPOSED SOIL AND SOIL STOCKPILES WITH POTABLE WATER AS NECESSARY TO CONTROL DUST.
3. COMPLETE FINE-GRADING AND PERMANENT STABILIZATION. INSTALL ASPHALT PAVEMENT ACCORDING TO CONSTRUCTION PLANS.
4. REMOVE ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES WHEN EARTHWORK IS COMPLETE AND ALL PERMANENT SURFACES ARE IN PLACE AND ESTABLISHED. ALL STORMWATER STRUCTURES WITHIN DISTURBED AREA AND RIGHT-OF-WAY MUST BE CLEAR OF SEDIMENT.

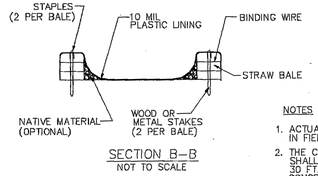




NOTES

1. ACTUAL LAYOUT DETERMINED IN FIELD.
2. THE CONCRETE WASHOUT SIGN SHALL BE INSTALLED WITHIN 30 FT. OF THE TEMPORARY CONCRETE WASHOUT FACILITY.





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2. THE CONCRETE WASHOUT SIGN SHALL BE INSTALLED WITHIN 30 FT. OF THE TEMPORARY CONCRETE WASHOUT FACILITY.

CONCRETE WASHOUT
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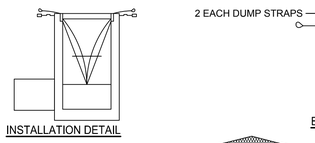
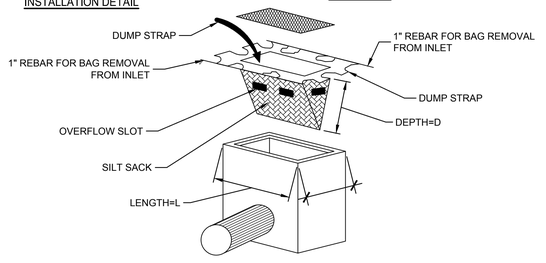
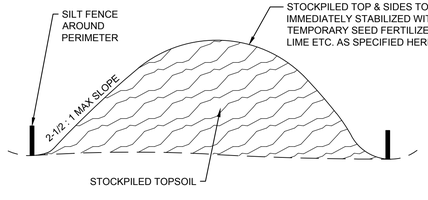


INSTALLATION DETAIL

BAG DETAIL

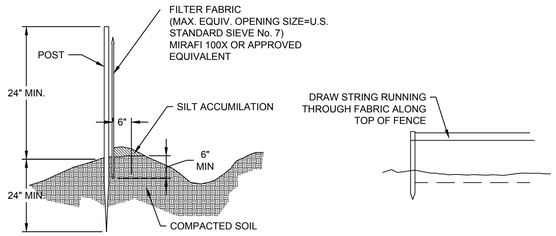


INLET PROTECTION - SILT BAG
SCALE: N.T.S.



MATERIAL	WATER DILITION	TYPE OF NOZZLE	APPLY CAL/ACRE
ANIONIC ASPHALT EMULSION	7:1	COARSE SPRAY	1200
LATEX EMULSION	12.5:1	FINE SPRAY	235
RESIN IN WATER	4:1	FINE SPRAY	300
POLYACRYLAMIDE (PAM) - SPRAY ON POLYACRYLAMIDE (PAM) - DRY SPREAD	APPLY ACCORDING TO MANUFACTURER'S INSTRUCTIONS. MAY ALSO BE USED AS AN ADDITIVE TO SEDIMENT BASING TO FLOCCULATE AND PRECIPITATE SUSPENDED COLLOIDS. SEE SEDIMENT BASIN STANDARD, P. 26-1		
ACIDULATED SOY BEAN SOAP STICK	NONE	COARSE SPRAY	1200

STOCKPILE AREA
SCALE: N.T.S.

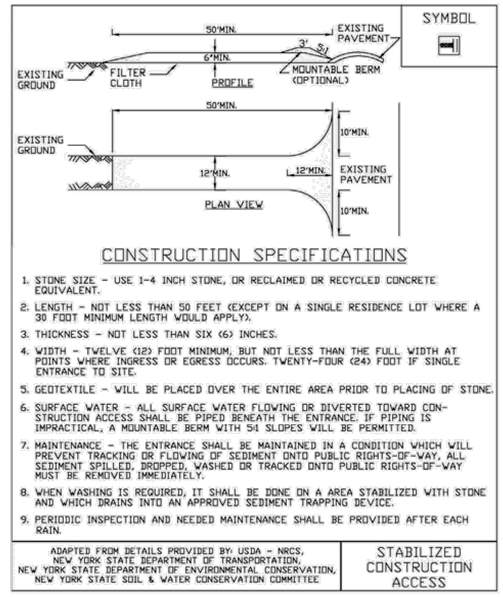


METHOD OF INSTALLATION

1. CONTRACTOR TO DIG 6" MIN. TRENCH AND LINE TRENCH WITH FILTER FABRIC PRIOR TO BACK FILL.
2. EXCEPT FOR THE END POST, DRIVE ALL POSTS INTO THE GROUND AT BACK SIDE OF TRENCH SPACED A MAXIMUM OF 8 FT O.C.
3. ATTACH FILTER FABRIC TO POST AND STRETCH BETWEEN POST WITH METAL FASTENER AND REINFORCEMENT MATERIAL PLACED BETWEEN THE FASTENER AND THE GEOTEXTILE FABRIC.
4. POST SHALL BE CONSTRUCTED OF HARDWOOD WITH A MINIMUM DIAMETER THICKNESS OF 1-1/2 INCHES.

SILT FENCE
SCALE: N.T.S.

Figure 2.1
Stabilized Construction Access



CONSTRUCTION SPECIFICATIONS

1. STONE SIZE - USE 1-4 INCH STONE, OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT.
2. LENGTH - NOT LESS THAN 50 FEET (EXCEPT ON A SINGLE RESIDENCE LOT WHERE A 30 FOOT MINIMUM LENGTH WOULD APPLY).
3. THICKNESS - NOT LESS THAN SIX (6) INCHES.
4. WIDTH - TWELVE (12) FOOT MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS. TWENTY-FOUR (24) FOOT IF SINGLE ENTRANCE TO SITE.
5. GEOTEXTILE - WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE.
6. SURFACE WATER - ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ACCESS SHALL BE PIPED BENEATH THE ENTRANCE. IF PIPING IS IMPRACTICAL, A MOUNTABLE BERM WITH 5:1 SLOPES WILL BE PERMITTED.
7. MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY.
8. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON A AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.
9. PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.

ADAPTED FROM DETAILS PROVIDED BY: USDA - NRCS, NEW YORK STATE DEPARTMENT OF TRANSPORTATION, NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION, NEW YORK STATE SOIL & WATER CONSERVATION COMMITTEE

STABILIZED CONSTRUCTION ACCESS

WARE MALCOMB
LEADING DESIGN FOR COMMERCIAL REAL ESTATE
45 w 21st street
6th floor
new york, ny 10010
p 646.680.7000
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SWPPP DRAWINGS
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SOIL EROSIONN & SEDIMENT CONTROL PLAN - NOTES

NO.	DATE	REMARKS

JOB NO.:	NYC24-4006
PA / PM:	E. WILKES
DESIGNED:	K. SEILER
DATE:	09/20/24
PLOT DATE:	09/19/24

SHEET
C1.2
Sheet 03 of 10

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Packet Pg. 249

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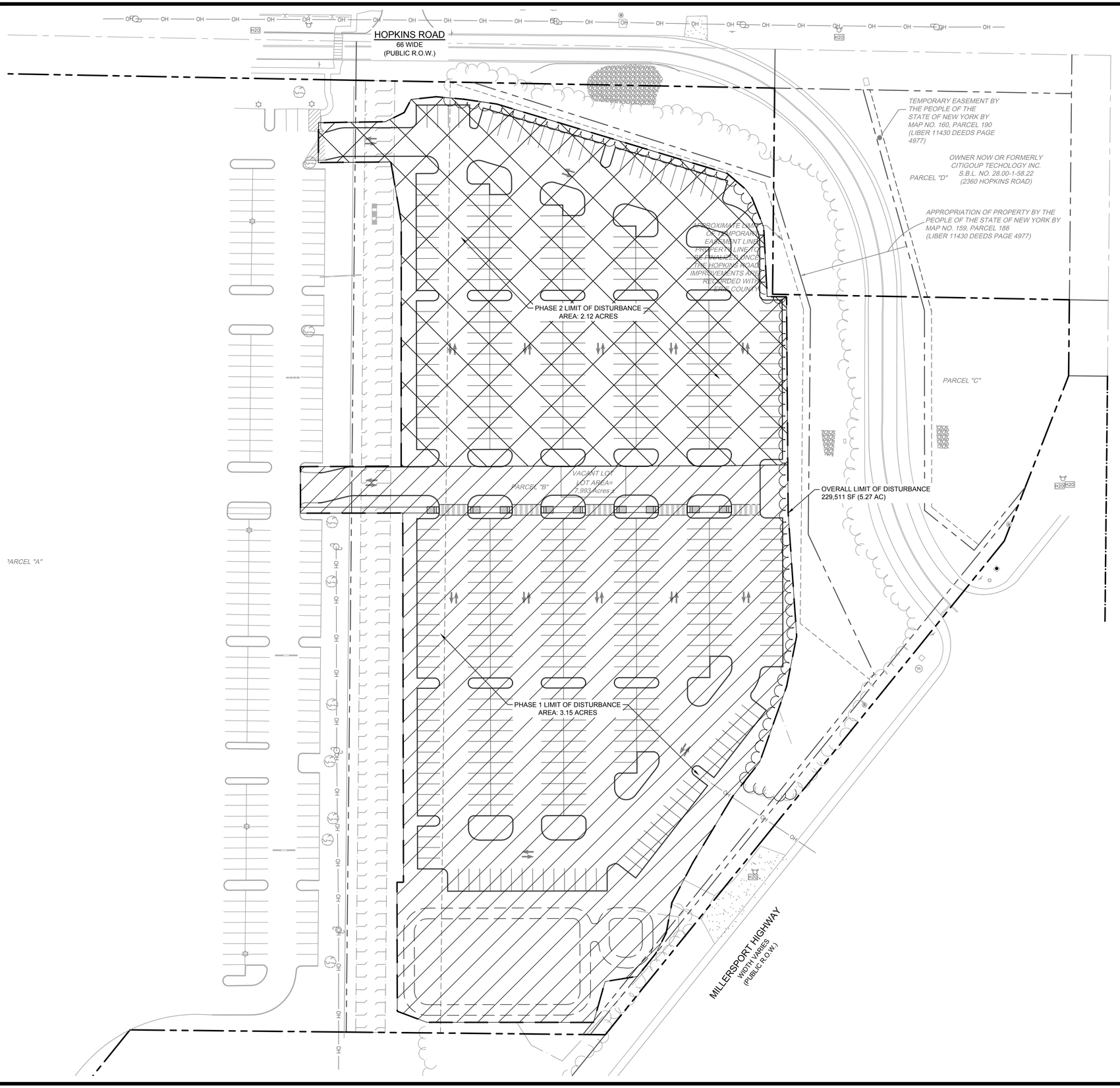

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SWPPP DRAWINGS
BLOCK 1, LOTS 70.11 & 58.111
3750 MILLERSPORT HWY, AMHERST, NY 14068

SOIL DISTURBANCE PHASING PLAN

NO.	DATE	REMARKS

JOB NO.:	NYC24-4006
PA / PM:	E. WILKES
DESIGNED:	K. SEILER
DATE:	09/20/24
PLOT DATE:	09/19/24

SHEET
C2.0
Sheet 04 of 10

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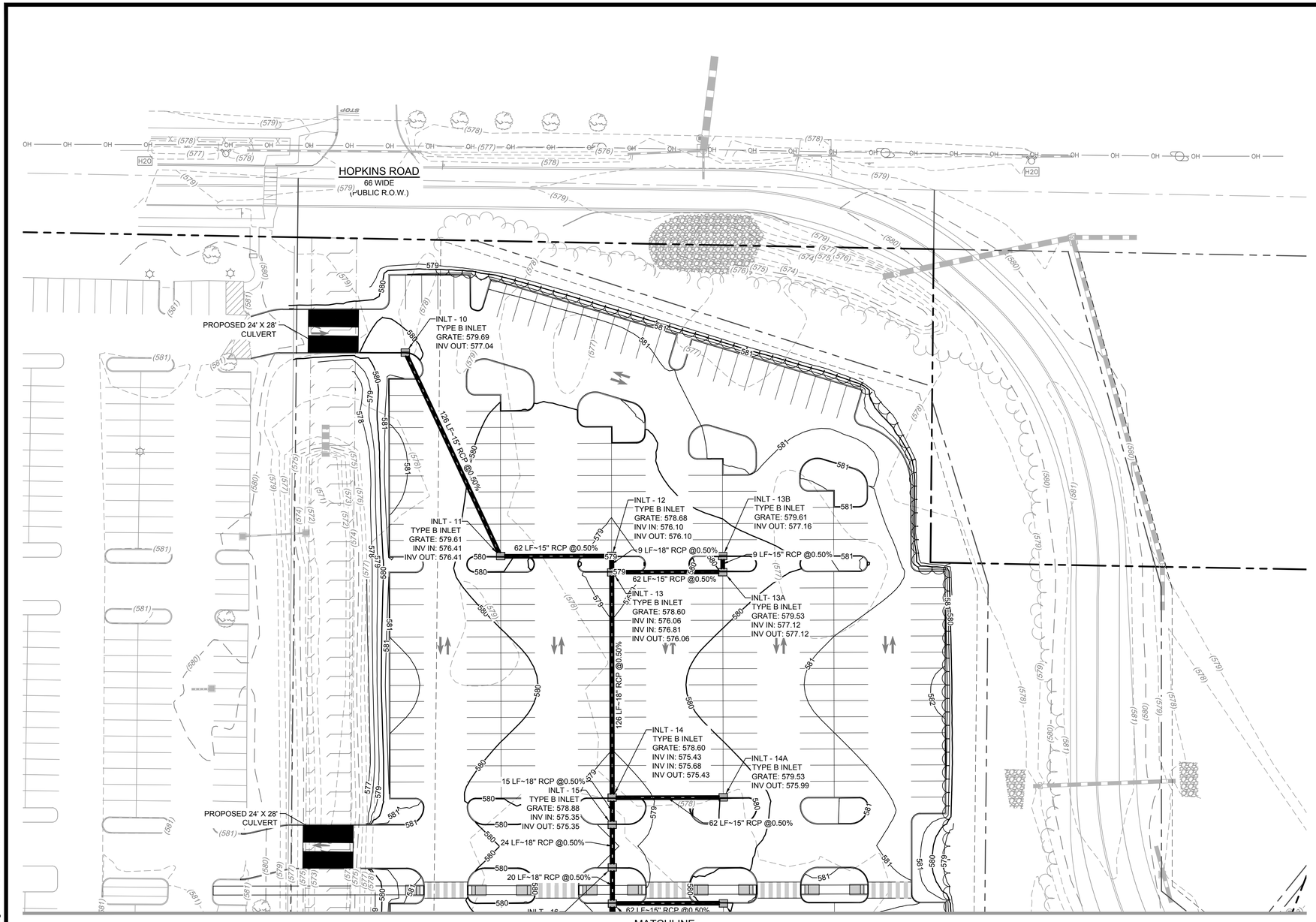
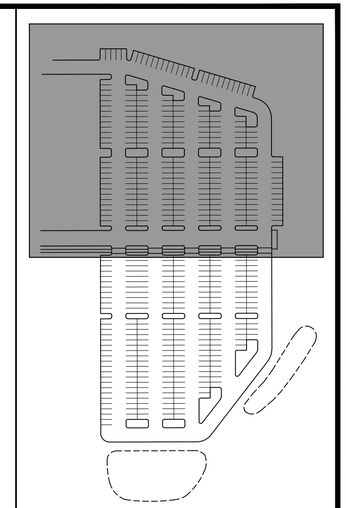


MATCHLINE
SEE SHEET C6.1



KEY MAP
SCALE: N.T.S.

LEGEND

EXISTING		PROPOSED
	BOUNDARY	
	EASEMENT	
	CENTERLINE	
–(5280)–	MAJOR CONTOUR	5280
–(5278)–	MINOR CONTOUR	5278
	CURB / GUTTER	
	BUILDING	
	SIDEWALK	
	STORM DRAIN	

0 15 30 60
SCALE: 1" = 30'

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DRAINAGE PLAN

NO.	DATE	REMARKS

JOB NO.:	NYC24-4006
PA / PM:	E. WILKES
DESIGNED:	K. SEILER
DATE:	09/20/24
PLOT DATE:	09/19/24

SHEET
C3.0
Sheet 05 of 10

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NOT FOR CONSTRUCTION

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Attachment: SP-2019-13A, application_112124 (29459 : SP-2019-13, A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

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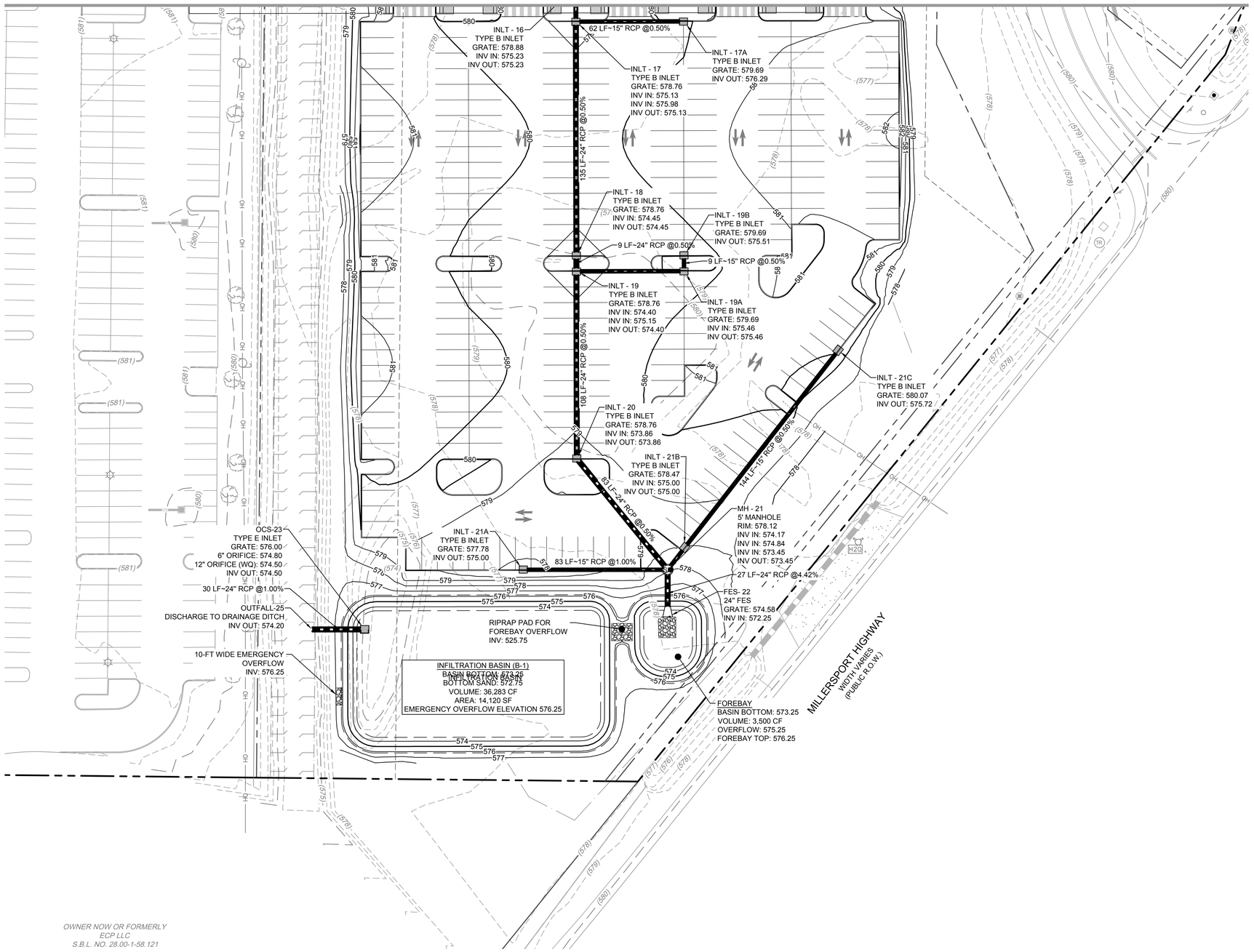
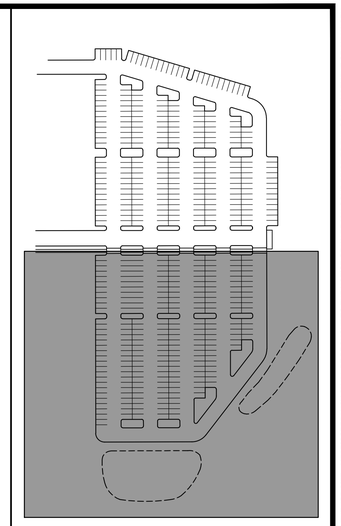
1.a

SEE SHEET C6.0
MATCHLINE





KEY MAP
SCALE: N.T.S.

LEGEND

EXISTING		PROPOSED
	BOUNDARY	
	EASEMENT	
	CENTERLINE	
(5280)	MAJOR CONTOUR	5280
(5278)	MINOR CONTOUR	5278
	CURB / GUTTER	
	BUILDING	
	SIDEWALK	
	STORM DRAIN	

WM

0 15 30 60
SCALE: 1" = 30'

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FOR AND ON BEHALF
OF WARE MALCOMB

CITI - CROSSPOINT EXPANSION

SWPPP DRAWINGS

BLOCK 1, LOTS 70.11 & 58.111
3750 MILLERSPORT HWY, AMHERST, NY 14068

DRAINAGE PLAN

NO.	DATE	REMARKS

JOB NO.:	NYC24-4006
PA / PM:	E. WILKES
DESIGNED:	K. SEILER
DATE:	09/20/24
PLOT DATE:	09/19/24

SHEET
C3.1
Sheet 06 of 10

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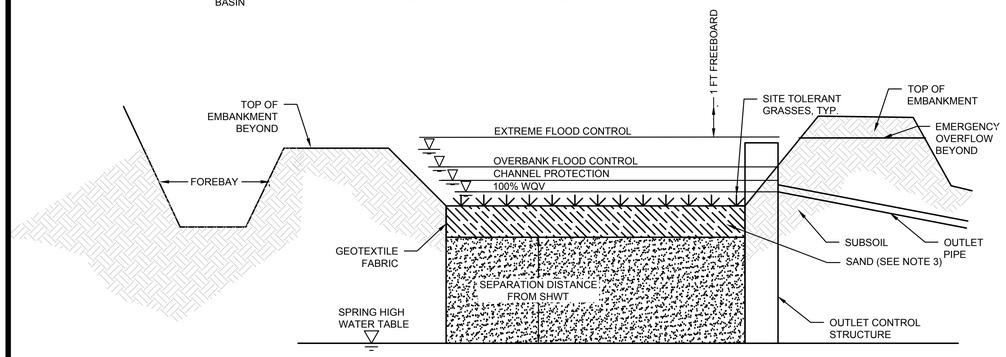
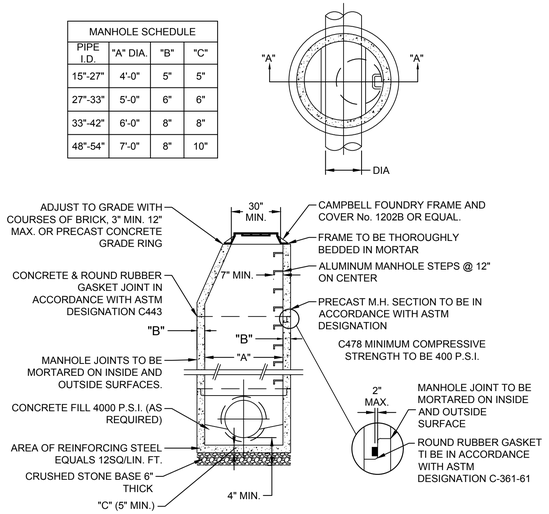
BASIN ID	BASIN TYPE	SHWT EL (NAVD88)	BOTTOM OF BASIN (NAVD88)	WATER QUALITY STORM ELEV (NAVD88)	100-YEAR STORM ELEV (NAVD88)	TOP OF BASIN ELEV (NAVD88)
B-1	INFILTRATION BASIN	< 570.00	572.75	573.25	576.24	576.75



1. MAXIMUM SIDE SLOPE RATIO FOR EARTHEN EMBANKMENTS IS 3:1
2. DURING CLEARING AND GRADING OF THE SITE, MEASURES MUST BE TAKEN TO ELIMINATE SOIL COMPACTION AT THE LOCATION OF THE PROPOSED INFILTRATION SYSTEM.
3. MINIMUM DEPTH OF SAND LAYER TO BE 6 INCHES. THE SAND MUST MEET ALL THE SPECIFICATIONS FOR CLEAN, MEDIUM-AGGREGATE CONCRETE SAND IN ACCORDANCE WITH AASHTO M-6 OR ASTM C-33, AS CERTIFIED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF NEW YORK. THE MAXIMUM PERCENTAGE OF FINES IS 15% AND THE MINIMUM TESTED PERMEABILITY RATE IS 20 INCHES/HOUR.

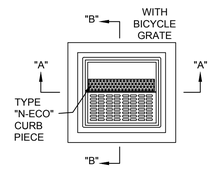
INFILTRATION BASIN
SCALE: N.T.S.

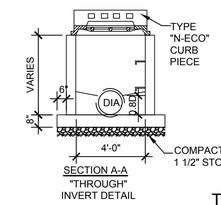
MANHOLE SCHEDULE			
PIPE I.D.	"A" DIA.	"B"	"C"
15"-27"	4'-0"	5"	5"
27"-33"	5'-0"	6"	6"
33"-42"	6'-0"	8"	8"
48"-54"	7'-0"	8"	10"



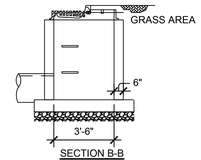
SECTION A-A

PRECAST STANDARD DRAINAGE MANHOLE
SCALE: N.T.S.





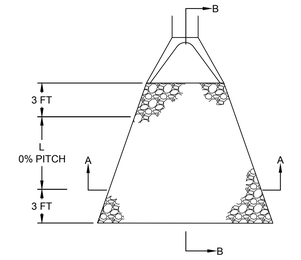
SECTION A-A
"THROUGH" INVERT DETAIL



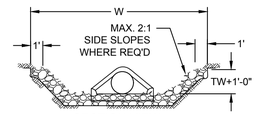
SECTION B-B
"TERMINAL" INVERT DETAIL

TYPE "B" INLET
SCALE: N.T.S.

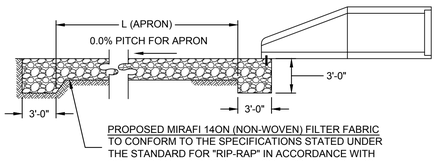
GENERAL NOTES
1. FOOTING TO BE 4500 PSI CONCRETE, CLASS "C".
2. INVERT TO BE 4500 PSI CONCRETE.
3. IF WALL CONSTRUCTION IS OTHER THAN CONCRETE, THE WALLS SHALL BE PLASTERED BOTH INSIDE AND OUTSIDE WITH 1/2" THICK CEMENT PLASTER.
4. FRAME AND GRATE TO BE No.3425 AS MANUFACTURED BY CAMPBELL FOUNDRY CO. OR APPROVED EQUAL.
5. PROVIDE ALUMINUM LADDER RUNGS @ 12" CENTER TO CENTER.
6. WHEN ADDITIONAL DEPTH IS REQUIRED WALLS BELOW THE DEPTH OF 8'-0" MEASURED FROM THE INLET GUTTER TO THE INVERT, SHALL BE 12" THICK. THE FOUNDATION DIMENSIONS SHALL BE INCREASED TO 12" WIDTHS AND TO 12" IN DEPTH.



PLAN



SECTION VIEW
SECTION A-A
(WHERE REQUIRED)

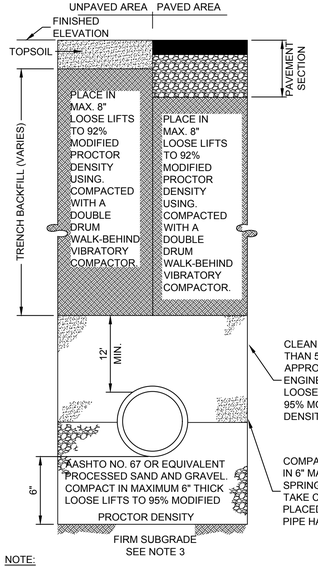


PROPOSED MIRAFI 140N (NON-WOVEN) FILTER FABRIC
TO CONFORM TO THE SPECIFICATIONS STATED UNDER THE STANDARD FOR "RIP-RAP" IN ACCORDANCE WITH SOIL EROSION AND SEDIMENT CONTROL STANDARDS.

PROFILE VIEW
SECTION B-B

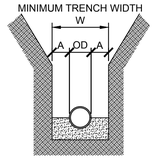
NOTES:
1. RIPRAP DESIGNED FOR 25-YR STORM.

CONDUIT OUTLET PROTECTION
SCALE: N.T.S.



PIPE DIAMETER "D"	MAXIMUM "A"
6" TO 15"	8"
16" TO 21"	10"
24" TO 30"	12"
33" TO 42"	15"
48" & LARGER	18"

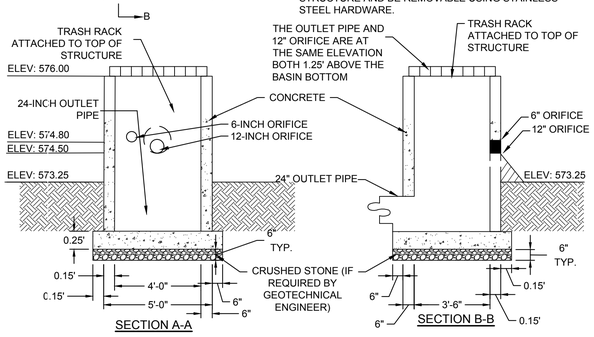
NOTE:
1. MAXIMUM TRENCH WIDTH "W" TAKEN AT TOP OF PIPE.



NOTE:
1. ALL TRENCH EXCAVATIONS ARE TO BE DONE IN COMPLIANCE WITH OSHA REGULATIONS.
2. MINIMUM TRENCH WIDTHS TO BE IN ACCORDANCE WITH THE CHART ABOVE.
3. IF SOFT SOIL IS ENCOUNTERED AT BEDDING SUBGRADE, THE SOFT SOIL IS TO BE REMOVED (TO A MAXIMUM DEPTH OF 2 FT) AND REPLACED WITH 3/4" CLEAN CRUSHED STONE.
4. TRENCH BACKFILL SHALL BE PREDOMINANTLY GRANULAR FILL MATERIAL AS APPROVED BY THE PROJECT ENGINEER, MATERIAL EXCAVATED FROM THE TRENCH MAY BE USED FOR BACKFILL PROVIDED IT IS PREDOMINATELY SAND AND IS AT WATER CONTENT THAT THE MATERIAL CAN BE READILY COMPACTED TO THE DENSITY REQUIRED.
5. WITHIN PUBLIC RIGHT OF WAY BENEATH PAVEMENT, THE BACKFILL MATERIAL SHALL NO. 67 OR 3/4" STONE, UNLESS AUTHORITY HAVING JURISDICTION REQUIRES OTHERWISE.
6. MAGNETIC UNDERGROUND MARKING TAPE TO BE PROVIDED FOR PLASTIC WATER, AND SANITARY FORCE MAINS. BURY 18" FROM FINISHED GRADE.
7. IN AREAS WHERE THERE IS NOT SUFFICIENT WIDTH FOR A DOUBLE DRUM WALK BEHIND VIBRATORY COMPACTOR THE LIFT THICKNESS SHALL BE DECREASED AS NECESSARY TO ACHIEVE COMPACTION WITH APPROPRIATE EQUIPMENT.
8. MAXIMUM PARTICLE SIZE FOR TRENCH BACKFILL SHALL BE 4 INCHES UNLESS APPROVED OTHERWISE BY PROJECT ENGINEER.
9. BACKFILL CONTAIN NO DELETERIOUS OR CONTAMINATED MATERIAL.

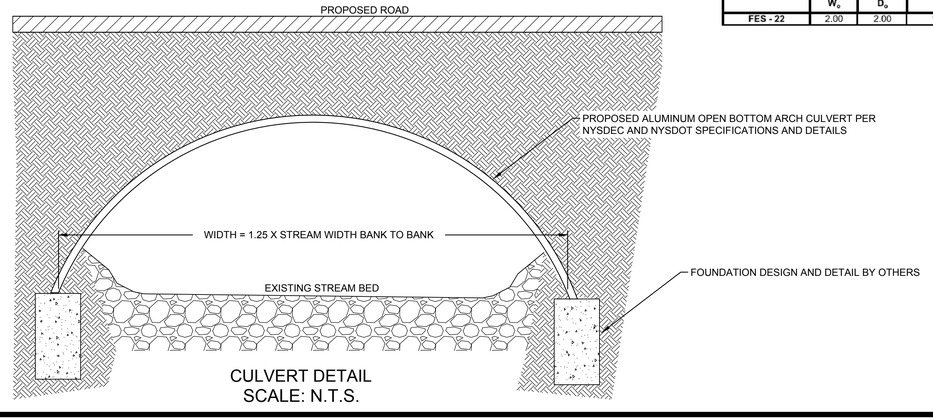
PIPE TRENCH DETAIL FOR SANITARY, WATER, AND STORM SEWER PIPE
SCALE: N.T.S.

GENERAL NOTES:
1. ALL ANCHOR BOLTS, NUTS AND WASHERS TO BE GALVANIZED.
2. FRAME AND GRATE TO BE FABRICATED ALUMINUM GRATE.
3. ORIFICE TRASH RACK FRAME TO BE HINGED. SEE THIS SHEET FOR DETAIL OF TRASH RACK LOCATED ON TOP OF STRUCTURE.
4. PROVIDE SHOP DRAWINGS FOR STRUCTURES AND APPURTENANCES.
5. ALUMINUM GRATE TO BE SECURED TO CONCRETE STRUCTURE AND BE REMOVABLE USING STAINLESS STEEL HARDWARE.



OUTLET CONTROL STRUCTURE
SCALE: N.T.S.

SCOUR HOLE DESIGN TABLE (Adapted from design calculations)								
Description	Pipe Width (ft) W_o	Pipe Depth (ft) D_o	Pipe Discharge (cfs) Q	Tailwater (ft) T_w	Apron Length (ft) L	Apron Width (ft) W	Median Riprap Diameter (in) D_{50}	Apron Thickness (in) T_h
FES - 22	2.00	2.00	11.48	0.40	12 '	10 '	8 "	16 "



CULVERT DETAIL
SCALE: N.T.S.

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DRAINAGE DETAILS

NO.	DATE	REMARKS

JOB NO.:	NYC24-4006
PA / PM:	E. WILKES
DESIGNED:	K. SEILER
DATE:	09/20/24
PLOT DATE:	09/19/24

SHEET
C3.2
Sheet 07 of 10

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Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13, A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

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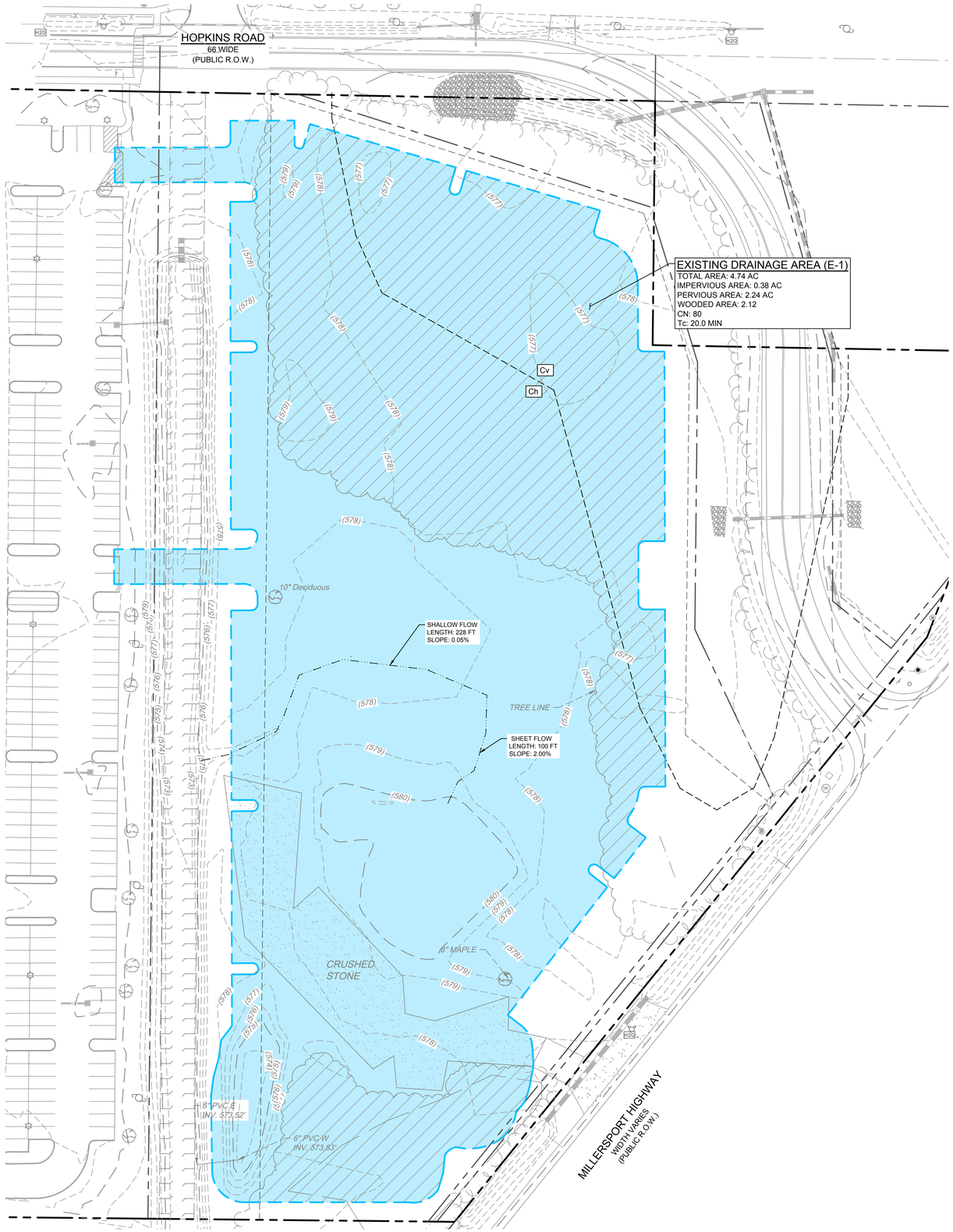

LEGEND:

- PROPERTY BOUNDARY
- PROPOSED DRAINAGE AREA
- FLOW PATH
- EXISTING WOODED AREA
- SOIL TYPE BOUNDARY

0 20 40 80

SCALE: 1" = 40'

W:\NYC24\4006\00\Civil\CAD\Sheets\SWPPP\NYC24-4006_C5.0 SWPPP - Existing Drainage Map.dwg 09/19/2024 KESEILER 1:1

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BLOCK 1, LOTS 70.11 & 58.111

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EXISTING DRAINAGE MAP

NO.	DATE	REMARKS

JOB NO.:	NYC24-4006
PA / PM:	E. WILKES
DESIGNED:	K. SEILER
DATE:	09/20/24
PLOT DATE:	09/19/24

SHEET

WS-01

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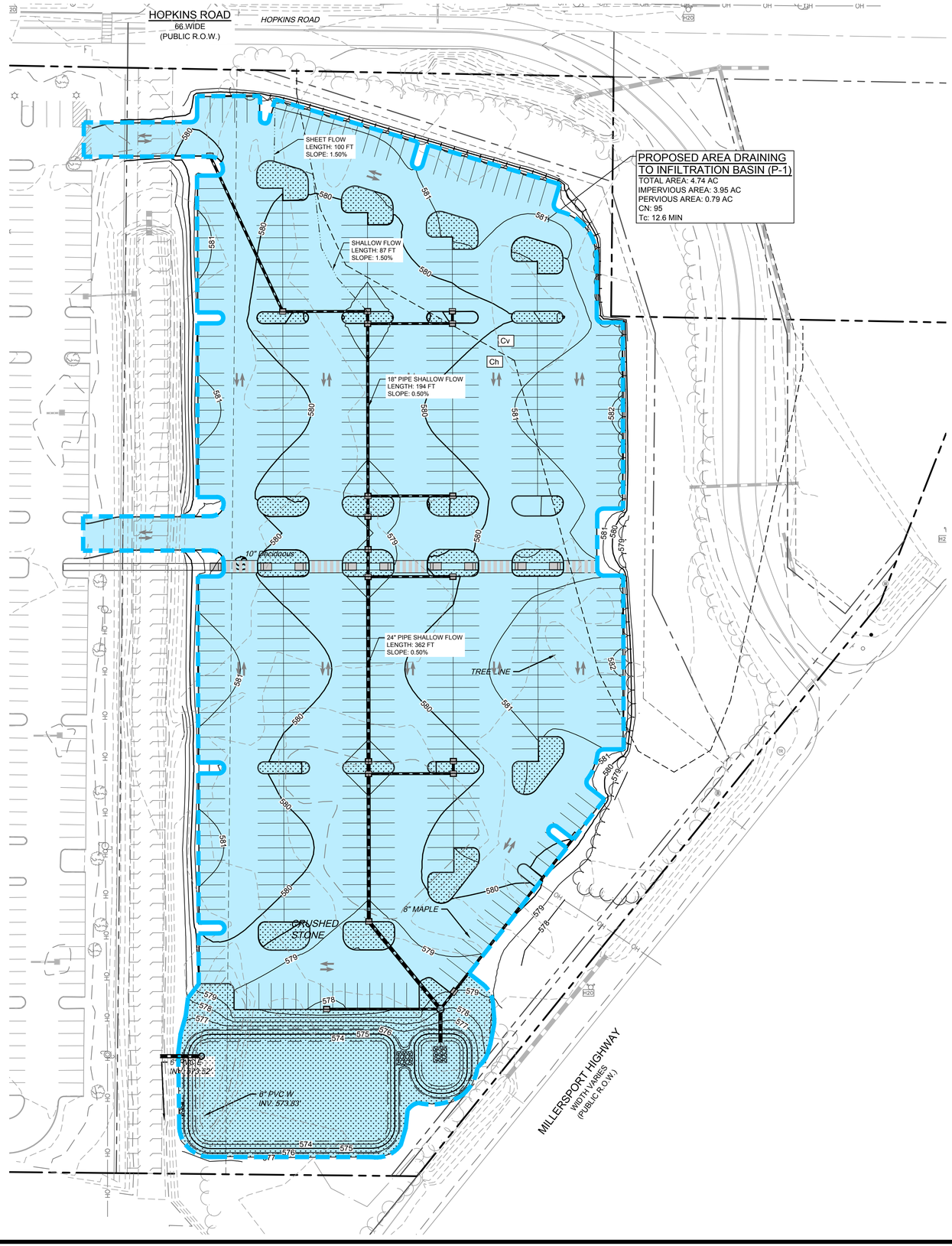

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SWPPP DRAWINGS
BLOCK 1, LOTS 70.11 & 58.111
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PROPOSED DRAINAGE MAP

NO.	DATE	REMARKS

JOB NO.:	NYC24-4006
PA / PM:	E. WILKES
DESIGNED:	K. SEILER
DATE:	09/20/24
PLOT DATE:	09/19/24

SHEET
WS-02
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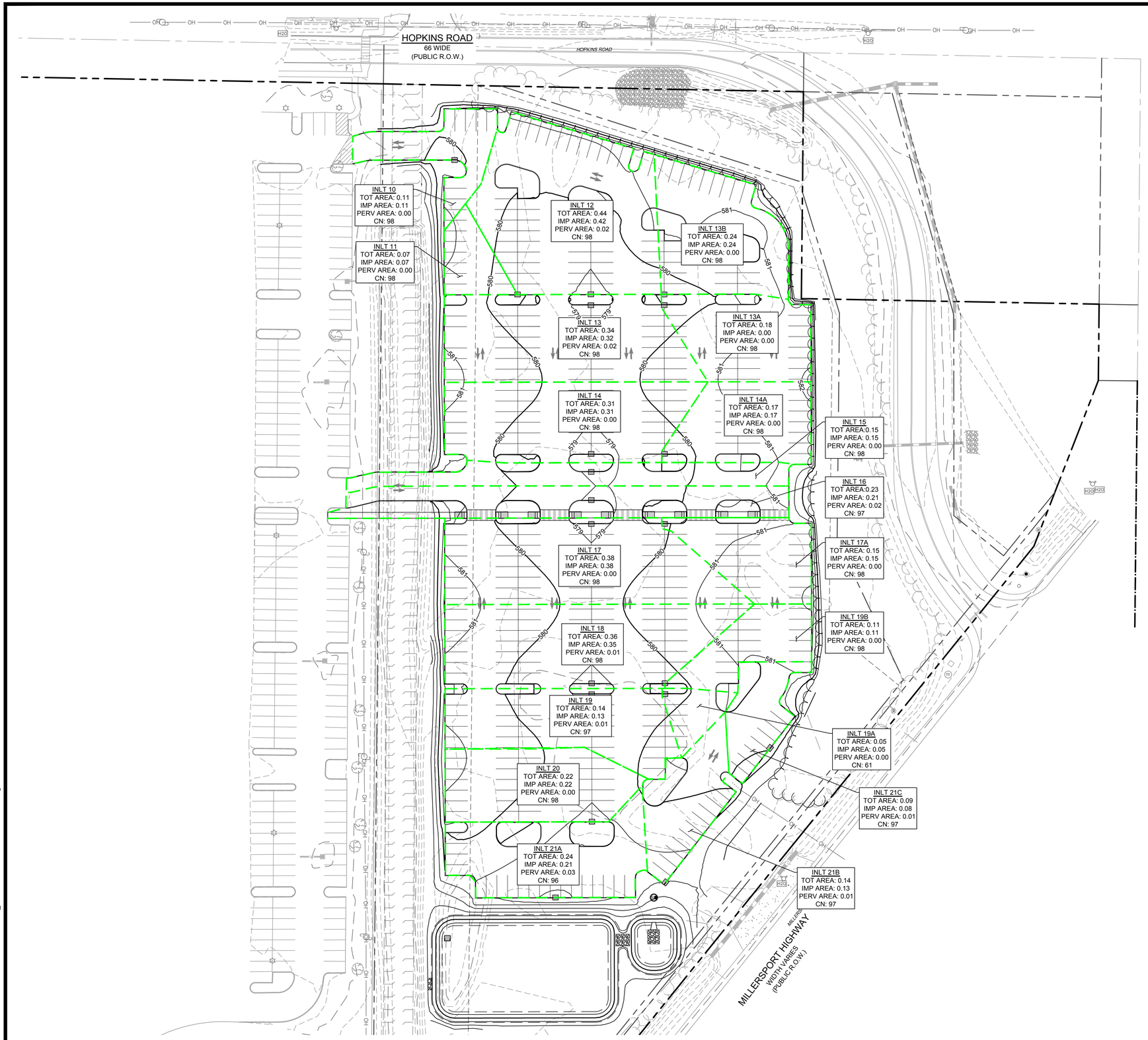

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INLET PROTECTION PLAN

NO.	DATE	REMARKS

JOB NO.:	NYC24-4006
PA / PM:	E. WILKES
DESIGNED:	K. SEILER
DATE:	09/20/24
PLOT DATE:	09/19/24

SHEET
WS-03
Sheet 10 of 10

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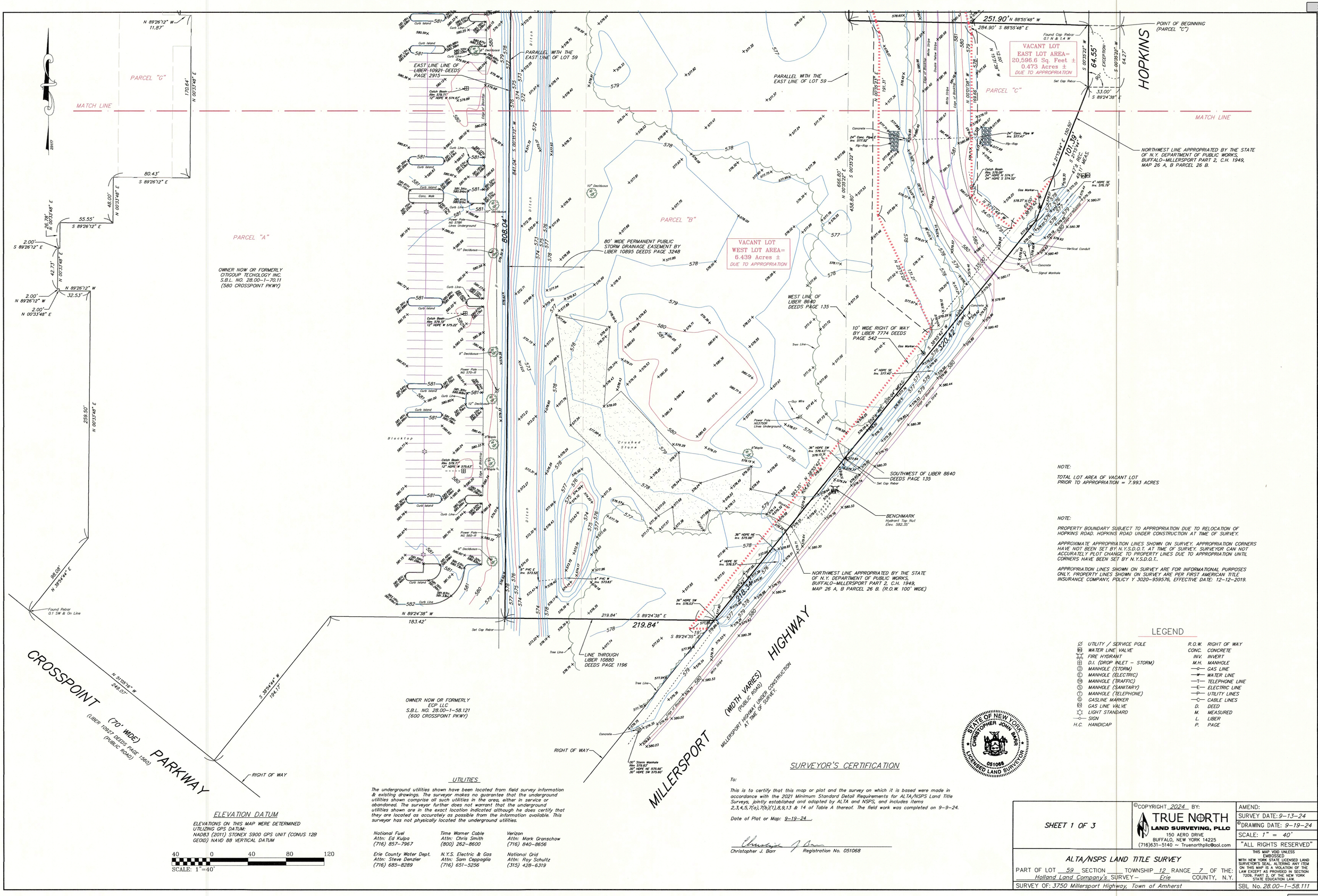
Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13, A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

ATTACHMENT B

Boundary and Topographic Survey

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)



ELEVATION DATUM

ELEVATIONS ON THIS MAP WERE DETERMINED UTILIZING GPS DATUM: NAD83 (2011) STONEX S900 GPS UNIT (CONUS 12B GEOID) NAVD 88 VERTICAL DATUM

40 0 40 80 120
SCALE: 1"=40'

UTILITIES

The underground utilities shown have been located from field survey information & existing drawings. The surveyor makes no guarantee that the underground utilities shown comprise all such utilities in the area, either in service or abandoned. The surveyor further does not warrant that the underground utilities shown are in the exact location indicated although he does certify that they are located as accurately as possible from the information available. This surveyor has not physically located the underground utilities.

National Fuel Attn: Ed Kulpa (716) 857-7967	Time Warner Cable Attn: Chris Smith (800) 262-8600	Verizon Attn: Mark Granschow (716) 840-8656
Erie County Water Dept. Attn: Steve Denzler (716) 685-8289	N.Y.S. Electric & Gas Attn: Sam Ceppaglia (716) 651-5256	National Grid Attn: Roy Schultz (315) 428-6319

SURVEYOR'S CERTIFICATION

To:

This is to certify that this map or plat and the survey on which it is based were made in accordance with the 2021 Minimum Standard Detail Requirements for ALTA/NSPS Land Title Surveys, jointly established and adopted by ALTA and NSPS, and includes items 2,3,4,5,7(a),7(b)(1),8,9,13 & 14 of Table A thereof. The field work was completed on 9-9-24.

Date of Plat or Map: 9-19-24

Christopher J. Barr Registration No. 051068

STATE OF NEW YORK CHRISTOPHER JOHN BARR 051068 LICENSED LAND SURVEYOR

NOTE:

TOTAL LOT AREA OF VACANT LOT PRIOR TO APPROPRIATION = 7.993 ACRES

NOTE:

PROPERTY BOUNDARY SUBJECT TO APPROPRIATION DUE TO RELOCATION OF HOPKINS ROAD. HOPKINS ROAD UNDER CONSTRUCTION AT TIME OF SURVEY.

APPROXIMATE APPROPRIATION LINES SHOWN ON SURVEY. APPROPRIATION CORNERS HAVE NOT BEEN SET BY N.Y.S.D.O.T. AT TIME OF SURVEY. SURVEYOR CAN NOT ACCURATELY PLOT CHANGE TO PROPERTY LINES DUE TO APPROPRIATION UNTIL CORNERS HAVE BEEN SET BY N.Y.S.D.O.T..

APPROPRIATION LINES SHOWN ON SURVEY ARE FOR INFORMATIONAL PURPOSES ONLY. PROPERTY LINES SHOWN ON SURVEY ARE PER FIRST AMERICAN TITLE INSURANCE COMPANY, POLICY Y 3020-959576, EFFECTIVE DATE: 12-12-2019.

LEGEND

Ø	UTILITY / SERVICE POLE	R.O.W.	RIGHT OF WAY
WV	WATER LINE VALVE	CONC.	CONCRETE
	FIRE HYDRANT	INV.	INVERT
D.I.	D.I. (DROP INLET – STORM)	M.H.	MANHOLE
S	MANHOLE (STORM)	—G—	GAS LINE
E	MANHOLE (ELECTRIC)	—W—	WATER LINE
TR	MANHOLE (TRAFFIC)	—T—	TELEPHONE LINE
SA	MANHOLE (SANITARY)	—E—	ELECTRIC LINE
T	MANHOLE (TELEPHONE)	—P—	UTILITY LINES
G	GASLINE MARKER	—C—	CABLE LINES
GV	GAS LINE VALVE	D.	DEED
	LIGHT STANDARD	M.	MEASURED
—o—	SIGN	L.	LIBER
H.C.	HANDICAP	P.	PAGE

SHEET 1 OF 3

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TRUE NORTH LAND SURVEYING, PLLC
150 AERO DRIVE
BUFFALO, NEW YORK 14225
(716)631-5140 ~ Truenorthpllc@aol.com

AMEND:
SURVEY DATE: 9-13-24
©DRAWING DATE: 9-19-24
SCALE: 1" = 40'
"ALL RIGHTS RESERVED"

ALTA/NSPS LAND TITLE SURVEY

PART OF LOT 59 SECTION ____ TOWNSHIP 12 RANGE 7 OF THE: Holland Land Company's SURVEY – Erie COUNTY, N.Y.

SURVEY OF: 3750 Millersport Highway, Town of Amherst

SBL No. 28.00-1-58.111

THIS MAP VOID UNLESS EMBOSSED WITH NEW YORK STATE LICENSED LAND SURVEYOR'S SEAL. ALTERING ANY ITEM ON THIS MAP IS A VIOLATION OF THE LAW EXCEPT AS PROVIDED IN SECTION 7209, PART 2, OF THE NEW YORK STATE EDUCATION LAW.

Attachment: SP-2019-13A application, 112124 (29459 : SP-2019-13, A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

40 0 40 80 120
SCALE: 1"=40'

LEGEND

- UTILITY / SERVICE POLE
- WATER LINE VALVE
- FIRE HYDRANT
- D.I. (DROP INLET – STORM)
- MANHOLE (STORM)
- MANHOLE (ELECTRIC)
- MANHOLE (TRAFFIC)
- MANHOLE (SANITARY)
- MANHOLE (TELEPHONE)
- GASLINE MARKER
- GAS LINE VALVE
- LIGHT STANDARD
- SIGN
- H.C. HANDICAP

- R.O.W. RIGHT OF WAY
- CONC. CONCRETE
- INV. INVERT
- M.H. MANHOLE
- GAS LINE
- WATER LINE
- TELEPHONE LINE
- ELECTRIC LINE
- UTILITY LINES
- CABLE LINES
- D. DEED
- M. MEASURED
- L. LIBER
- P. PAGE

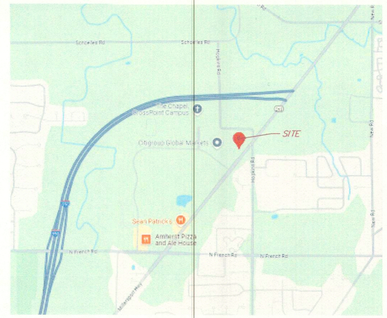
ELEVATION DATUM

ELEVATIONS ON THIS MAP WERE DETERMINED UTILIZING GPS DATUM: NAD83 (2011) STONEX S900 GPS UNIT (CONUS 12B GEOID) NAVD 88 VERTICAL DATUM

UTILITIES

The underground utilities shown have been located from field survey information & existing drawings. The surveyor makes no guarantee that the underground utilities shown comprise all such utilities in the area, either in service or abandoned. The surveyor further does not warrant that the underground utilities shown are in the exact location indicated although he does certify that they are located as accurately as possible from the information available. This surveyor has not physically located the underground utilities.

National Fuel Attn: Ed Kulpa (716) 857–7967	Time Warner Cable Attn: Chris Smith (800) 262–8600	Verizon Attn: Mark Granschow (716) 840–8656
Erie County Water Dept. Attn: Steve Denzler (716) 685–6289	N.Y.S. Electric & Gas Attn: Sam Ceppaglia (716) 651–5256	National Grid Attn: Roy Schultz (315) 428–6319



VICINITY MAP
Not To Scale

HOPKINS (66' WIDE) ROAD (PUBLIC ROAD)

POINT OF BEGINNING (PARCEL "A")
NORTHEAST OF LIBER 3722 DEEDS PAGE 440
NORTHWEST OF LIBER 289 DEEDS PAGE 38
BENCHMARK Hydrant Top Nut Elev. 582.17'
POINT OF BEGINNING (PARCEL "B")
NORTHWEST OF LIBER 8640 DEEDS PAGE 135
BENCHMARK Hydrant Top Nut Elev. 580.63'
NORTHEAST CORNER OF LOT 59
POINT OF BEGINNING (PARCEL "D")
NORTH LINE OF LOT 59
EAST LINE OF LOT 59
POINT OF BEGINNING (PARCEL "C")

PARCEL "F"
PARCEL "A"
PARCEL "B"
PARCEL "C"
PARCEL "D"

OWNER NOW OR FORMERLY CITIGOUP TECHOLOGY INC. S.B.L. NO. 28.00–1–70.11 (580 CROSSPOINT PKWY)

OWNER NOW OR FORMERLY CITIGOUP TECHOLOGY INC. S.B.L. NO. 28.00–1–58.22 (2360 HOPKINS ROAD)

EXCEPTION
RIGHT OF WAY
MATCH LINE

347.19' S 88°55'48" E
355.30' N 88°55'48" W
320'± REC. 330.96' MEAS.
284.90' N 88°55'48" W
284.90' S 88°55'48" E
251.90' N 88°55'48" W
215.20' N 00°33'48" E
170.64' N 00°33'48" E
259.50' N 00°33'48" E
N 89°26'12" W 11.87'
80.43' S 89°26'12" E
55.55' S 89°26'12" E
46.00' N 00°33'48" E
36.78' N 00°33'48" E
2.00' S 89°26'12" E
42.73' N 00°33'48" E
N 89°26'12" W 32.53'
2.00' N 89°26'12" W
2.00' N 00°33'48" E
808.04' S 00°35'22" W
841.04' S 00°35'22" W
666.80' N 00°35'22" E
458.80' N 00°35'22" E
191.31' N 00°35'22" E
208.00' S 00°35'22" W
208.00' N 00°35'22" E
175.00' S 00°35'22" W
64.55' S 00°35'22" W
64.27' S 00°35'22" W
33.00' S 89°24'38" E
101.39' S 21°10'34" W 97.42' REC. 97.40' MEAS.
N 21°10'34" E 150.50'
N 13°31'38" W 144.60' MEAS.
S 13°31'38" E 144.60' REC. 144.60' MEAS.
S 76°16'26" E 254.00' REC. 254.79' MEAS.
N 76°16'26" W 254.00' REC. 254.79' MEAS.
S 58°50'42" W 370.42' 370.42' MEAS.
N 58°50'42" E 370.42' REC. 370.42' MEAS.
N 13°31'38" W 144.60' REC. 144.60' MEAS.

TEMPORARY EASEMENT BY THE PEOPLE OF THE STATE OF NEW YORK BY MAP NO. 160, PARCEL 189 (LIBER 11430 DEEDS PAGE 4977)
TEMPORARY EASEMENT BY THE PEOPLE OF THE STATE OF NEW YORK BY MAP NO. 160, PARCEL 190 (LIBER 11430 DEEDS PAGE 4977)
APPROPRIATION OF PROPERTY BY THE PEOPLE OF THE STATE OF NEW YORK BY MAP NO. 159, PARCEL 188 (LIBER 11430 DEEDS PAGE 4977)
PARALLEL WITH THE EAST LINE OF LOT 59
EAST LINE OF LIBER 10921 DEEDS PAGE 2915
80' WIDE PERMANENT PUBLIC STORM DRAINAGE EASEMENT BY LIBER 10895 DEEDS PAGE 3248
10' WIDE RIGHT OF WAY BY LIBER 7774 DEEDS PAGE 542
WEST LINE OF LIBER 8640 DEEDS PAGE 135
NORTHWEST LINE APPROPRIATED BY THE STATE OF N.Y. DEPARTMENT OF PUBLIC WORKS, BUFFALO–MILLERSPORT PART 2, C.H. 1949, MAP 26 A, B PARCEL 26 B.

VACANT LOT
EAST LOT AREA=
20,596.6 Sq. Feet ±
0.473 Acres ±
DUE TO APPROPRIATION

VACANT LOT
WEST LOT AREA=
6.439 Acres ±
DUE TO APPROPRIATION

MATCH LINE

STATE OF NEW YORK
CHRISTOPHER JOHN BARR
051068
LICENSED LAND SURVEYOR

SURVEYOR'S CERTIFICATION

To:

This is to certify that this map or plat and the survey on which it is based were made in accordance with the 2021 Minimum Standard Detail Requirements for ALTA/NSPS Land Title Surveys, jointly established and adopted by ALTA and NSPS, and includes items 2,3,4,5,7(a),7(b)(1),8,9,13 & 14 of Table A thereof. The field work was completed on 9–9–24.

Date of Plot or Map: 9–19–24

Christopher J. Barr / Registration No. 051068

SHEET 2 OF 3

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150 AERO DRIVE
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AMEND:
SURVEY DATE: 9–13–24
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ALTA/NSPS LAND TITLE SURVEY

PART OF LOT 59 SECTION ___ TOWNSHIP 12 RANGE 7 OF THE: Holland Land Company's SURVEY Erie COUNTY, N.Y.

SURVEY OF: 3750 Millersport Highway, Town of Amherst

THIS MAP VOID UNLESS EMBOSSED WITH NEW YORK STATE LICENSED LAND SURVEYOR'S SEAL. ALTERING ANY ITEM ON THIS MAP IS A VIOLATION OF THE LAW EXCEPT AS PROVIDED IN SECTION 7209, PART 2, OF THE NEW YORK STATE EDUCATION LAW.

SBL No. 28.00–1–58.111

Attachment: SP-2019-13A_application, 112124 (29459 : SP-2019-13, A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

SCHEDULE "A"
FIRST AMERICAN TITLE INSURANCE COMPANY
Policy No. Y 3020-959576
EFFECTIVE DATE: 12-12-2019

PARCEL A

ALL THAT TRACT OR PARCEL OF LAND SITUATE IN THE TOWN OF AMHERST, COUNTY OF ERIE AND STATE OF NEW YORK, BEING PART OF LOT 59 TOWNSHIP 12, RANGE 7 OF THE HOLLAND LAND COMPANY'S SURVEY, BEING BOUNDED AND DESCRIBED AS FOLLOWS:
BEGINNING AT THE NORTHEASTERLY CORNER OF LANDS CONVEYED TO JOHN E. LINDEMANN AND HERBERT E. LINDEMANN BY DEED DATED MARCH 1, 1945 AND RECORDED IN THE ERIE COUNTY CLERK'S OFFICE IN LIBER 3722 OF DEEDS AT PAGE 440, SAID POINT BEING ALSO THE NORTHWESTERLY CORNER OF LANDS OWNED BY WENDEL VOGELSANGER, ALSO KNOWN AS WENDEL FUGELSONGER BY DEED RECORDED IN THE ERIE COUNTY CLERK'S OFFICE IN LIBER 289 OF DEEDS AT PAGE 38, SAID POINT ALSO BEING IN THE CENTERLINE OF HOPKINS ROAD (NORTH LINE OF LOT 59);

THENCE SOUTHERLY ALONG THE EASTERLY LINE OF LINDERMANN AND EXTENDED ALONG THE EASTERLY LINE OF LANDS CONVEYED TO THE TOWN OF AMHERST INDUSTRIAL DEVELOPMENT AGENCY BY DEED FILED IN THE ERIE COUNTY CLERK'S OFFICE IN LIBER 10921 OF DEEDS AT PAGE 2915, SOUTH 00° 35' 22" WEST A DISTANCE OF 841.04 FEET TO A POINT;
THENCE NORTH 89° 24' 38" WEST A DISTANCE OF 183.42 FEET TO A POINT;
THENCE SOUTH 38° 54' 44" WEST A DISTANCE OF 194.17 FEET TO A POINT, SAID POINT BEING A POINT ON THE NORTH LINE OF CROSSPOINT PARKWAY BY DEED FILED IN THE ERIE COUNTY CLERK'S OFFICE IN LIBER 10927 OF DEEDS AT PAGE 1560;
THENCE ALONG THE NORTHERLY RIGHT OF WAY OF CROSSPOINT PARKWAY, NORTH 51° 05' 16" WEST A DISTANCE OF 249.07 FEET TO A POINT;
THENCE NORTH 38° 54' 44" EAST A DISTANCE OF 98.08 FEET TO A POINT;
THENCE NORTH 00° 33' 48" EAST A DISTANCE OF 259.50 FEET TO A POINT;
THENCE NORTH 89° 26' 12" WEST A DISTANCE OF 32.53 FEET TO A POINT ON THE EXISTING CONCRETE FOUNDATION OF 540 CROSSPOINT;
THENCE NORTH 00° 33' 48" EAST, ALONG THE CONCRETE FOUNDATION A DISTANCE OF 2.00 FEET TO A POINT;
THENCE NORTH 89° 26' 12" WEST ALONG THE CONCRETE FOUNDATION A DISTANCE OF 2.00 FEET TO A POINT;
THENCE NORTH 00° 33' 48" EAST ALONG THE CONCRETE FOUNDATION A DISTANCE OF 42.73 FEET TO A POINT;
THENCE SOUTH 89° 26' 12" EAST ALONG THE CONCRETE FOUNDATION A DISTANCE OF 2.00 FEET TO A POINT;
THENCE NORTH 00° 33' 48" EAST A DISTANCE OF 26.78 FEET TO A POINT;
THENCE SOUTH 89° 26' 12" EAST A DISTANCE OF 55.55 FEET TO A POINT;
THENCE NORTH 00° 33' 48" EAST A DISTANCE OF 48.00 FEET TO A POINT;
THENCE SOUTH 89° 26' 12" EAST A DISTANCE OF 80.43 FEET TO A POINT;
THENCE NORTH 00° 33' 48" EAST A DISTANCE OF 170.64 FEET TO A POINT;
THENCE NORTH 89° 26' 12" WEST A DISTANCE OF 11.87 FEET TO A POINT;
THENCE NORTH 00° 33' 48" EAST A DISTANCE OF 215.20 FEET TO THE NORTH LINE OF LOT 59 AND THE EXTENSION OF THE CENTER LINE OF HOPKINS ROAD EXTENDED;
THENCE SOUTH 88° 55' 48" EAST ALONG THE NORTH LINE OF LOT 59 AND THE CENTER LINE OF SAID HOPKINS ROAD A DISTANCE OF 347.19 FEET TO THE POINT OR PLACE OF BEGINNING.
EXCEPTING THEREFROM ANY PORTION OF PREMISES LYING IN THE BOUNDS OF HOPKINS ROAD.

PARCEL B

ALL THAT TRACT OR PARCEL OF LAND, SITUATE IN THE TOWN OF AMHERST, COUNTY OF ERIE, STATE OF NEW YORK, BEING PART OF LOT NUMBER 59, TOWNSHIP 12, RANGE 7 OF THE HOLLAND LAND COMPANY'S SURVEY, DESCRIBED AS FOLLOWS:
BEGINNING AT A POINT IN THE NORTH LINE OF LOT NUMBER 59, SAID POINT BEING THE NORTHWEST CORNER OF LANDS DEEDED FROM MILL-HOP LAND CORP. TO VLOGGY HELFFENSTEIN AND LAURINE KAESELAU IN DEED FILED IN THE ERIE COUNTY CLERK'S OFFICE IN LIBER 8640, PAGE 135, WHICH POINT IS DISTANT 284.90 FEET WEST OF THE NORTHEAST CORNER OF SAID LOT NUMBER 59;
THENCE WESTERLY ALONG THE CENTER LINE OF HOPKINS ROAD AND THE NORTH LINE OF LOT 59 NORTH 88° 55' 48" WEST, A DISTANCE OF 355.30 FEET TO THE NORTHWEST CORNER OF LANDS CONVEYED TO WENDLE VOGELSANGER BY DEED FILED IN THE ERIE COUNTY CLERK'S OFFICE IN LIBER 289 OF DEEDS AT PAGE 38;
THENCE SOUTH 00° 35' 22" WEST AND PARALLEL WITH THE EASTERLY LINE OF SAID LOT NUMBER 59, SAID LINE BEING THE EASTERLY LINE OF LANDS CONVEYED TO THE TOWN OF AMHERST INDUSTRIAL DEVELOPMENT AGENCY BY LIBER 10921 AT PAGE 2915, A DISTANCE OF 841.04 FEET TO A POINT;
THENCE SOUTH 89° 24' 38" EAST AND THROUGH THE LANDS CONVEYED TO THE ASBURY UNITED METHODIST CHURCH OF AMHERST IN LIBER 10880 OF DEEDS AT PAGE 1196 A DISTANCE OF 219.84 FEET TO A POINT IN THE NORTHWESTERLY LINE OF MILLERSPORT HIGHWAY AS APPROPRIATED BY THE STATE OF NEW YORK DEPARTMENT OF PUBLIC WORKS, BUFFALO – MILLERSPORT PART 2, C.H. 1949, MAP 26 A, B PARCEL 26 B;
THENCE NORTHEASTERLY ALONG THE NORTHWESTERLY LINE OF MILLERSPORT HIGHWAY AS APPROPRIATED BY THE STATE OF NEW YORK DEPARTMENT OF PUBLIC WORKS, BUFFALO – MILLERSPORT PART 2, C.H. 1949, MAP NO. 26 A, B PARCEL NO. 26 B, NORTH 38° 55' 42" EAST (AS A HIGHWAY 100 FEET WIDE) A DISTANCE OF 218.34 FEET TO THE SOUTHWEST CORNER OF LANDS DEEDED FROM MILL-HOP LAND CORP. TO VLOGGY HELFFENSTEIN AND LAURINE KAESELAU IN DEED FILED IN ERIE COUNTY CLERK'S OFFICE LIBER 8640, PAGE 135;
THENCE NORTHERLY AND ALONG THE WEST LINE OF PROPERTY DEEDED IN LIBER 8640, PAGE 135 AS AFORESAID NORTH 00° 35' 22" EAST A DISTANCE OF 666.80 FEET TO THE POINT OR PLACE OF BEGINNING.
EXCEPTING THEREFROM ANY PORTION OF PREMISES LYING IN THE BOUNDS OF HOPKINS ROAD.

PARCEL C

ALL THAT TRACT OR PARCEL OF LAND, SITUATE IN THE TOWN OF AMHERST, COUNTY OF ERIE, STATE OF NEW YORK, BEING PART OF LOT NUMBER 59, TOWNSHIP 12, RANGE 7 OF THE HOLLAND LAND COMPANY'S SURVEY, DESCRIBED AS FOLLOWS:
COMMENCING AT THE NORTHEAST CORNER OF LOT NUMBER 59, SAID POINT ALSO BEING AN ANGLE POINT IN THE CENTER LINE OF HOPKINS ROAD,
THENCE SOUTHERLY ALONG THE CENTERLINE OF HOPKINS ROAD AND THE EAST LINE OF LOT NUMBER 59 SOUTH 00° 35' 22" WEST A DISTANCE OF 208.00 FEET TO THE POINT OR PLACE OF BEGINNING;
THENCE WESTERLY AND PARALLEL TO THE NORTH LINE OF LOT NUMBER 59 NORTH 88° 55' 48" WEST A DISTANCE OF 284.90 FEET TO A POINT ON THE WEST LINE OF LANDS DEEDED FROM MILL-HOP LAND CORP. TO VLOGGY HELFFENSTEIN AND LAURINE KAESELAU IN DEED FILED IN ERIE COUNTY CLERK'S OFFICE IN LIBER 8640, PAGE 135;
THENCE SOUTH 00° 35' 22" WEST ALONG THE WEST LINE OF LANDS DEEDED FROM MILL-HOP LAND CORP. TO VLOGGY HELFFENSTEIN AND LAURINE KAESELAU IN DEED LIBER 8640, PAGE 135 AND PARALLEL WITH THE EASTERLY LINE OF SAID LOT NUMBER 59 A DISTANCE OF 458.80 FEET THE NORTHWESTERLY LINE OF MILLERSPORT HIGHWAY AS APPROPRIATED BY THE STATE OF NEW YORK DEPARTMENT OF PUBLIC WORKS, BUFFALO –MILLERSPORT PART 2, C.H. 1949, MAP NO. 26 A, B PARCEL NO. 26 B, NORTH 38° 55'42" EAST (AS A HIGHWAY 100 FEET WIDE) A DISTANCE OF 218.34 FEET TO THE SOUTHWEST CORNER OF LANDS DEEDED FROM MILL-HOP LAND CORP. TO VLOGGY HELFFENSTEIN AND LAURINE KAESELAU IN DEED LIBER 8640, PAGE 135;
THENCE NORTHEASTERLY ALONG THE NORTHWESTERLY LINE OF MILLERSPORT HIGHWAY AS APPROPRIATED BY THE STATE OF NEW YORK DEPARTMENT OF PUBLIC WORKS, BUFFALO – MILLERSPORT PART 2, C.H. 1949, MAP NO. 26 A, B PARCEL NO. 26 B, NORTH 38° 55' 42" EAST (AS A HIGHWAY 100 FEET WIDE) A DISTANCE OF 320.42 FEET TO AN ANGLE THEREIN;
THENCE CONTINUING NORTHEASTERLY ALONG THE NORTHWESTERLY LINE OF MILLERSPORT HIGHWAY AS APPROPRIATED BY THE STATE OF NEW YORK DEPARTMENT OF PUBLIC WORKS, BUFFALO –MILLERSPORT PART 2, C.H. 1949, MAP NO. 26 A, B PARCEL NO. 26 B, NORTH 21° 15' 44" EAST A DISTANCE OF 150.50 FEET TO A POINT ON THE WESTERLY LINE OF HOPKINS ROAD AS A 66 FOOT WIDE HIGHWAY;
THENCE EASTERLY AT RIGHT ANGLE TO THE WEST LINE OF HOPKINS ROAD SOUTH 89° 24' 38" EAST A DISTANCE OF 33.0 FEET TO A POINT ON THE CENTERLINE OF HOPKINS ROAD AND THE EAST LINE OF LOT 59, TOWNSHIP 12, RANGE 7;
THENCE NORTHERLY AND ALONG THE CENTERLINE OF HOPKINS ROAD AND THE EAST LINE OF LOT 59, TOWNSHIP 12, RANGE 7, NORTH 00° 35' 22" EAST A DISTANCE OF 64.35 FEET, MORE OR LESS, TO THE POINT OR PLACE OF BEGINNING.
EXCEPTING THEREFROM ANY PORTION OF PREMISES LYING IN THE BOUNDS OF HOPKINS ROAD.

PARCEL D

ALL THAT TRACT OR PARCEL OF LAND, SITUATE IN THE TOWN OF AMHERST, COUNTY OF ERIE, STATE OF NEW YORK, BEING PART OF LOT NUMBER 59, TOWNSHIP 12, RANGE 7 OF THE HOLLAND LAND COMPANY'S SURVEY, DESCRIBED AS FOLLOWS:
BEGINNING AT THE NORTHEAST CORNER OF LOT 59, TOWNSHIP 12, RANGE 7, SAID POINT BEING AN ANGLE POINT IN THE CENTERLINE OF HOPKINS ROAD;
THENCE EASTERLY ALONG THE NORTH LINE OF LOT 59, TOWNSHIP 12, RANGE 7 AND THE CENTERLINE OF HOPKINS ROAD NORTH 88° 55' 48" WEST A DISTANCE 284.90 FEET TO THE NORTHWEST CORNER OF LANDS DEEDED FROM MILL-HOP LAND CORP. TO VLOGGY HELFFENSTEIN AND LAURINE KAESELAU IN DEED FILED IN ERIE COUNTY CLERK'S OFFICE UNDER LIBER 8640, PAGE 135,
THENCE SOUTH 00° 35' 22" WEST ALONG THE WEST LINE OF LANDS DEEDED FROM MILL-HOP LAND CORP. TO VLOGGY HELFFENSTEIN AND LAURINE KAESELAU IN DEED LIBER 8640, PAGE 135 AND PARALLEL WITH THE EASTERLY LINE OF SAID LOT NUMBER 59 A DISTANCE OF 208.00 FEET TO A POINT;
THENCE EASTERLY AND PARALLEL TO THE NORTH LINE OF LOT NUMBER 59 SOUTH 88° 55' 48" EAST A DISTANCE OF 284.90 FEET TO A POINT ON THE TO A POINT ON THE CENTERLINE OF HOPKINS ROAD AND THE EAST LINE OF LOT 59, TOWNSHIP 12, RANGE 7;
THENCE NORTHERLY AND ALONG THE CENTERLINE OF HOPKINS ROAD AND THE EAST LINE OF LOT 59, TOWNSHIP 12, RANGE 7, NORTH 00° 35' 22" EAST A DISTANCE OF 208.00 FEET, MORE OR LESS, TO THE POINT OR PLACE OF BEGINNING.
EXCEPTING THEREFROM ANY PORTION OF PREMISES LYING IN THE BOUNDS OF HOPKINS ROAD.

PARCEL E (EASEMENT)

ALL THAT TRACT OR PARCEL OF LAND, SITUATE IN THE TOWN OF AMHERST, COUNTY OF ERIE, STATE OF NEW YORK, BEING PART OF LOT NOS. 52 AND 59, TOWNSHIPS 13 AND 12 (RESPECTIVELY), RANGE 7 OF THE HOLLAND LAND COMPANY'S SURVEY, DESCRIBED AS FOLLOWS:
BEGINNING AT A POINT ON THE SOUTH LINE OF LOT 52 AND THE NORTH LINE OF LOT 59 DISTANT 1,569.23 FEET WESTERLY FROM THE NORTHEAST CORNER OF LOT 59;
THENCE SOUTH 00° 35' 22" WEST, A DISTANCE OF 607.71 FEET TO A POINT ON THE NORTHERLY LINE OF CROSS POINT FAIRWAY, AS DEDICATED TO THE TOWN OF AMHERST BY DEED FILED IN THE ERIE COUNTY CLERK'S OFFICE IN LIBER 10927 OF DEEDS AT PAGE 1560;
THENCE NORTHWESTERLY ALONG THE SAID NORTHERLY LINE OF CROSS POINT PARKWAY CURVING TO THE LEFT, HAVING A RADIUS OF 835.00 FEET AND AN ARC DISTANCE OF 71.27 FEET, WITH A CHORD BEARING AND DISTANCE OF NORTH 78° 39' 18" WEST, 71.25 FEET;
THENCE NORTH 00° 35' 22" EAST, A DISTANCE OF 595.00 FEET TO A POINT ON THE NORTH LINE OF LOT 59;
THENCE SOUTH 88° 55' 48" EAST ALONG THE SAID NORTHERLY LINE OF LOT 59, A DISTANCE OF 70.00 FEET TO THE POINT OR PLACE OF BEGINNING.

PARCEL F (EASEMENT)

ALL THAT TRACT OR PARCEL OF LAND SITUATE IN THE TOWN OF AMHERST, COUNTY OF ERIE, STATE OF NEW YORK, BEING PART OF LOTS NOS. 52 AND 59, TOWNSHIP 13 AND 12 (RESPECTIVELY), RANGE 7 OF THE HOLLAND LAND COMPANY'S SURVEY, DESRIBED AS FOLLOWS:
BEGINNING AT A POINT ON THE SOUTH LINE OF LOT 52 AND THE NORTH LINE OF LOT 59, DISTANT 1006.08 FEET WESTERLY TO THE NORTH EAST CORNER OF LOT 59;
THENCE N 00° 33'48"E, A DISTANCE OF 54.00 FEET TO A POINT;
THENCE PARALLEL TO THE NORTH LINE OF LOT 59 AND SOUTH LINE OF LOT 52 N 88°55'48"W, A DISTANCE OF 633.16 FEET TO A POINT;
THENCE S 00°33'48"W A DISTANCE OF 54.00 FEET TO A POINT ON THE SOUTH LINE OF LOT 52 AND NORTH LINE OF LOT 59;
THENCE EASTERLY ALONG THE SOUTH LINE OF LOT 52 AND THE NORTH LINE OF LOT 59 S88°55'48"E, A DISTANCE OF 70.00 FEET TO A POINT;
THENCE N 52° 21'40"E, A DISTANCE OF 38.38 FEET TO A POINT;
THENCE PARALLEL TO THE SOUTH LINE OF LOT 52 AND THE NORTH LINE OF LOT 59 S 88°55'48"E, A DISTANCE OF 475.89 FEET TO A POINT;
THENCE S 26° 06'05"E A DISTANCE OF 26.98 FEET TO A POINT ON THE SOUTH LINE OF LOT 52 AND THE NORTH LINE OF LOT 59;
THENCE EASTERLY ALONG THE SOUTH LINE OF LOT 52 AND THE NORTH LINE OF LOT 59 S 88°55'48"E A DISTANCE OF 45.00 FEET TO THE POINT OR PLACE OF BEGINNING.

PARCEL G (EASEMENT)

ALL THAT TRACT OR PARCEL OF LAND SITUATE IN THE TOWN OF AMHERST, COUNTY OF ERIE, STATE OF NEW YORK, BEING PART OF LOT NOS. 52 AND 59, TOWNSHIP 13 AND 12 (RESPECTIVELY), RANGE 7 OF THE HOLLAND LAND COMPANY'S SURVEY, DESCRIBED AS FOLLOWS:
BEGINNING AT A POINT ON THE SOUTH LINE OF LOT 52 AND THE NORTH LINE OF LOT 59, DISTANT 1006.08 FEET WESTERLY THE NORTH EAST CORNER OF LOT 59;
THENCE SOUTH 00° 33' 48" WEST, A DISTANCE OF 80.00 FEET TO A POINT;
THENCE SOUTH 89° 26' 12" EAST A DISTANCE OF 18.69 FEET TO A POINT;
THENCE SOUTH 00° 33' 48" WEST, A DISTANCE OF 24.00 FEET TO A POINT;
THENCE NORTH 89° 26' 12" WEST A DISTANCE OF 18.69 FEET TO A POINT;
THENCE SOUTH 00° 33' 48" WEST, A DISTANCE OF 111.36 FEET TO A POINT;
THENCE SOUTH 89° 26' 12" EAST A DISTANCE OF 30.56 FEET TO A POINT;
THENCE SOUTH 00° 33' 48" WEST, A DISTANCE OF 32.38 FEET TO A POINT;
THENCE NORTH 89° 26' 12" WEST A DISTANCE OF 18.90 FEET TO A POINT;
THENCE SOUTH 00° 33' 48" WEST, A DISTANCE OF 138.26 FEET TO A POINT;
THENCE NORTH 89° 26' 12" WEST A DISTANCE OF 56.66 FEET TO A POINT;
THENCE NORTH 00° 33' 48" EAST, A DISTANCE OF 386.40 FEET TO A POINT ON THE SOUTH LINE
OF LOT 52 AND THE NORTH LINE LOT 59;
THENCE EASTERLY ALONG THE SOUTH LINE OF LOT 52 AND THE NORTH LINE OF LOT 59 SOUTH
88° 55' 48" EAST A DISTANCE OF 45.00 FEET TO THE POINT OR PLACE OF BEGINNING.



40 0 40 80 120
SCALE: 1"=40'

LEGEND

∅	UTILITY / SERVICE POLE	R.O.W.	RIGHT OF WAY
WV	WATER LINE VALVE	CONC.	CONCRETE
FH	FIRE HYDRANT	INV.	INVERT
D.I.	D.I. (DROP INLET – STORM)	M.H.	MANHOLE
(D)	MANHOLE (STORM)	—G—	GAS LINE
(E)	MANHOLE (ELECTRIC)	—W—	WATER LINE
(TR)	MANHOLE (TRAFFIC)	—T—	TELEPHONE LINE
(S)	MANHOLE (SANITARY)	—E—	ELECTRIC LINE
(T)	MANHOLE (TELEPHONE)	—P—	UTILITY LINES
GS	GASLINE MARKER	—C—	CABLE LINES
GV	GAS LINE VALVE	D.	DEED
	LIGHT STANDARD	M.	MEASURED
—○—	SIGN	L.	LIBER
H.C.	HANDICAP	P.	PAGE

SCHEDULE "B"
FIRST AMERICAN TITLE INSURANCE COMPANY
Policy No. Y 3020-959576
EFFECTIVE DATE: 12-12-2019

7. Declaration of Easements and Covenants, together with provisions for maintenance, by and between Metropolitan Chapel of Buffalo and The Uniland Partnership of Delaware L.P. dated 6/4/2003 and recorded 8/1/2003 in Liber 11049 of Deeds, page 2642 (affects Parcel A).

9. Right of Way Easement made by The Independent Union Telephone Company dated 4/30/1903 and recorded 11/12/1906 in Liber 1054 of Deeds, page 553 (affects Parcel A).

11. Electric and Telephone Easement granted to Niagara Mohawk Power Corporation and New York Telephone Company recorded 6/28/1961 in Liber 6670 of Deeds, page 589 (affects Parcels C and D). (Easement for service pole line no longer on Parcels C and D)

12. Easement granted to New York Telephone Company recorded 10/20/1970 in Liber 7736 of Deeds, page 289 (affects Parcels C and D). (Exact location unknown, unable to plot.)

13. Right of Way granted to Iroquois Gas Corporation recorded 3/4/1971 in Liber 7774 of Deeds, page 542 as assigned by Assignment of Interest to National Fuel Gas Distribution Corporation dated 6/25/1974, effective 7/1/1974 and recorded 7/18/1974 in Liber 8189 of Deeds, page 13 (affects Parcels B, C and D). (Plotted on Drawing)

15. Easement granted to Town of Amherst dated 11/28/1995 and recorded 12/21/1995 in Liber 10895 of Deeds, page 3248 (affects Parcel B). (Plotted on Drawing)

16. Permanent Public Sanitary Sewer Easement made by and between The Town of Amherst Industrial Development Agency and the Uniland Partnership L.P. to the Town of Amherst dated 5/5/1998 and recorded 6/4/1998 in Liber 10933 of Deeds, page 7521 (affects Parcel A).

17. Utility Easement Agreement made by and between The Town of Amherst Industrial Development Agency and the Uniland Partnership of Delaware, L.P. to Niagara Mohawk Power Corporation dated 10/6/1999 and recorded 10/12/1999 in Liber 10958 of Deeds, page 3455 (affects Parcel A).

18. Reciprocal Access Easement by The Uniland Partnership of Delaware L.P., recorded 1/29/2003 in Liber 11027 of Deeds, page 7192. (affects Parcel A)

20. Declaration of Easements for Reciprocal Parking, Ingress and Egress made by and between the Uniland Partnership of Delaware L.P. and the Metropolitan Chapel of Buffalo with consents of the Town of Amherst Industrial Development Agency and Reliance Trust Company dated 7/20/2005 and recorded 9/29/2005 in Liber 11102 of Deeds, page 806; which was amended by a First Amendment to Declaration of Easements for Reciprocal Parking, Ingress and Egress, dated 10/17/2013, recorded 12/30/2013 in the Office of the County Clerk, Erie County in Liber 11258, Page 4648; which was further amended by a Second Amendment to Declaration of Easements for Reciprocal Parking, Ingress and Egress, dated 04/24/2017, recorded 04/24/2017 in the Office of the County Clerk, Erie County in Liber 11312, Page 3021; which is being further amended and restated by that certain Amended and Restated Declaration of Easements for Reciprocal Parking, Ingress and Egress made by and between Uniland Development I, LLC and The Metropolitan Chapel of Buffalo (now known as The chapel at Crosspoint) dated 09/--/2019 and to be duly recorded in the Office of the County Clerk, Erie County. (affects Parcel A)

23. Grant of Easement made by and between The Town of Amherst Industrial Development Agency and Uniland Partnership of Delaware, L.P. to Niagara Mohawk Power Corporation dated 5/16/2006 and recorded 8/1/2006 in Liber 11117 of Deeds, page 1691 (affects Parcel A and Parcel C).

25. Grant of Easement made by and between The Uniland Partnership of Delaware, L.P. and The Town of Amherst Industrial Development Agency to Niagara Mohawk Power Corporation dated 10/30/2007 and recorded 11/13/2007 in Liber 11137 of Deeds, page 1043 (affects Parcel A).

26. Easement and Connector Building Agreement by and between Uniland Development I, LLC and Town of Amherst Industrial Development Agency dated 1/26/2009 and recorded 2/6/2009 in Liber 11155 of Deeds, page 2172 (affects Parcel A).

27. Grant of Easement to Niagara Mohawk Power Corporation dated 10/18/2010 and recorded 2/16/2011 in Liber 11198 of Deeds, page 6071 (affects Parcel A).

47. Declaration of Easements for Ingress and Egress (East-West Easement) by and bewteen Uniland Development I, LLC and Metropolitan Chapel of Buffalo, dated 12/--/2019, duly recorded in the Erie County Clerk's Office.

NOTES

THERE WAS RECENT EVIDENCE OF CONSTRUCTION FOR RELOCATION OF HOPKINS ROAD.

THE PARCEL HAS DIRECT ACCESS TO MILLERSPORT HIGHWAY, A PUBLIC HIGHWAY & HOPKINS ROAD, A PUBLIC HIGHWAY.

NO ENCROACHMENTS.

PARKING SPACES

0 REGULAR SPACES
0 HANDICAP SPACES
0 TOTAL SPACES

FLOOD ZONE

PREMISES LIES WITHIN ZONE "X" AREA OF MINIMAL FLOOD HAZARD, FLOOD PLAIN PER F.E.M.A. FLOOD INSURANCE RATE MAP No. 36029C 0008H, JUNE-7-2021 (TOWN OF AMHERST)

SURVEYOR'S CERTIFICATION

To:

This is to certify that this map or plat and the survey on which it is based were made in accordance with the 2021 Minimum Standard Detail Requirements for ALTA/NSPS Land Title Surveys, jointly established and adopted by ALTA and NSPS, and includes items 2,3,4,5,7(a),7(b)(1),8,9,13 & 14 of Table A thereof. The field work was completed on 9-9-24.

Date of Plot or Map: 9-19-24

Christopher J. Barr Registration No. 051068

STATE OF NEW YORK
CHRISTOPHER JOHN BARR
051068
LICENSED LAND SURVEYOR

SHEET 3 OF 3

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TRUE NORTH
LAND SURVEYING, PLLC
150 AERO DRIVE
BUFFALO, NEW YORK 14225
(716)631-5140 ~ Truenorthpllc@aol.com

AMEND:
SURVEY DATE: 9-13-24
©DRAWING DATE: 9-19-24
SCALE: 1" = 40'
"ALL RIGHTS RESERVED"

THIS MAP VOID UNLESS EMBOSSED WITH NEW YORK STATE LICENSED LAND SURVEYOR'S SEAL. ALTERING ANY ITEM ON THIS MAP IS A VIOLATION OF THE LAW EXCEPT AS PROVIDED IN SECTION 7209, PART 2, OF THE NEW YORK STATE EDUCATION LAW.

ALTA/NSPS LAND TITLE SURVEY

PART OF LOT 59 SECTION ____ TOWNSHIP 12 RANGE 7 OF THE: Holland Land Company's SURVEY– Erie COUNTY, N.Y.

SURVEY OF: 3750 Millersport Highway, Town of Amherst

SBL No. 28.00-1-58.111

Attachment: SP-2019-13A application. 112124 (29459 : SP-2019-13. A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

ATTACHMENT C

Pre-development Stormwater Calculations

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

Rainfall Events Listing (selected events)

Event#	Event Name	Storm Type	Curve	Mode	Duration (hours)	B/B	Depth (inches)	AMC
1	1-yr	NY-Amherst 24-hr S1	1-yr	Default	24.00	1	1.80	2
2	10-yr	NY-Amherst 24-hr S1	10-yr	Default	24.00	1	3.06	2
3	50-yr	NY-Amherst 24-hr S1	50-yr	Default	24.00	1	4.33	2
4	100-yr	NY-Amherst 24-hr S1	100-yr	Default	24.00	1	5.05	2

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

Summary for Subcatchment E-1: Existing Drainage Area

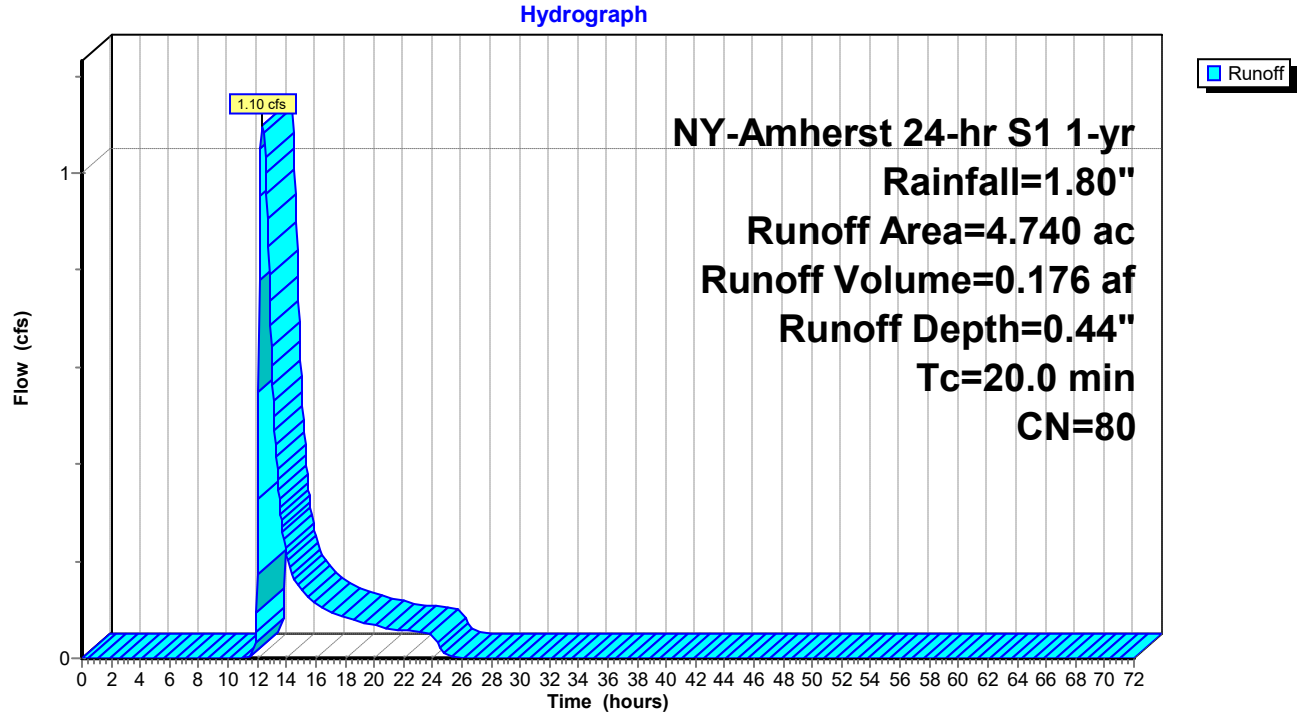
Runoff = 1.10 cfs @ 12.36 hrs, Volume= 0.176 af, Depth= 0.44"

Runoff by SCS TR-20 method, UH=Delmarva, Weighted-CN, Time Span= 0.00-72.00 hrs, dt= 0.05 hrs
NY-Amherst 24-hr S1 1-yr Rainfall=1.80"

	Area (ac)	CN	Description
*	0.380	98	Impervious
	2.240	80	>75% Grass cover, Good, HSG D
	2.120	77	Woods, Good, HSG D
	4.740	80	Weighted Average
	4.360	79	91.98% Pervious Area
	0.380	98	8.02% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
20.0					**Direct Entry,**

Subcatchment E-1: Existing Drainage Area



Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

Summary for Subcatchment E-1: Existing Drainage Area

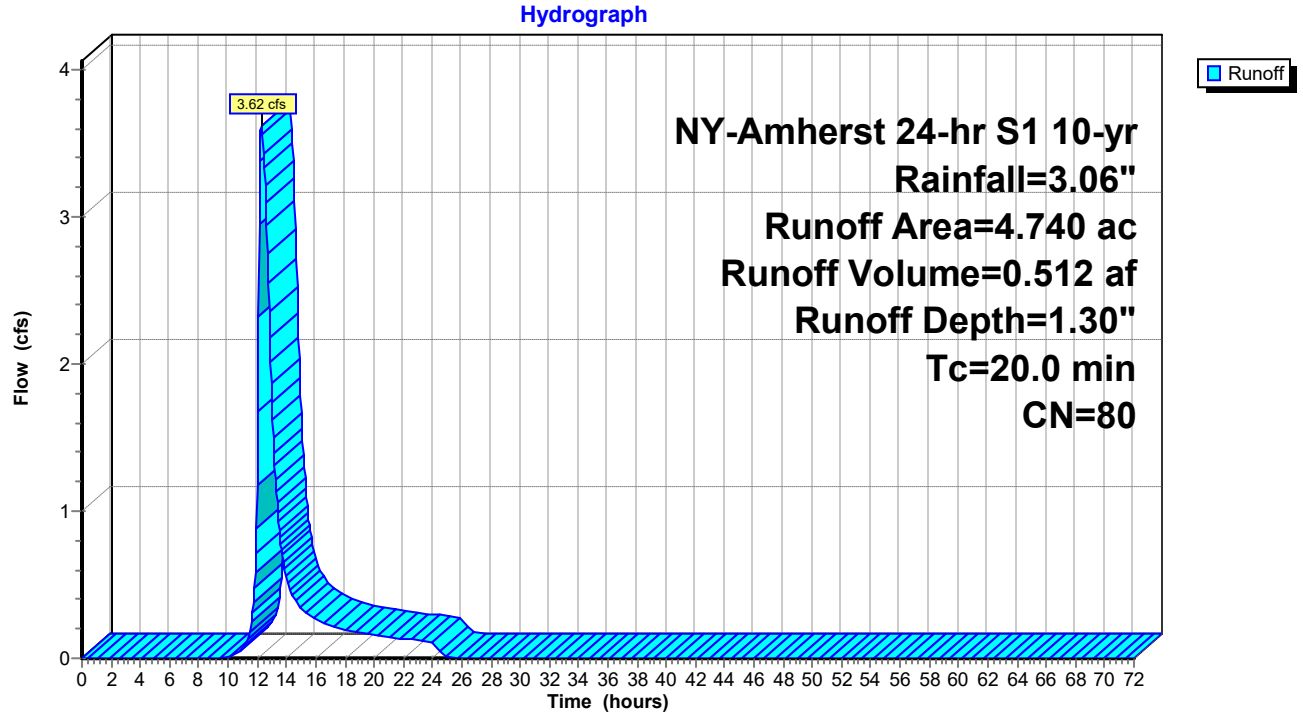
Runoff = 3.62 cfs @ 12.30 hrs, Volume= 0.512 af, Depth= 1.30"

Runoff by SCS TR-20 method, UH=Delmarva, Weighted-CN, Time Span= 0.00-72.00 hrs, dt= 0.05 hrs
NY-Amherst 24-hr S1 10-yr Rainfall=3.06"

	Area (ac)	CN	Description
*	0.380	98	Impervious
	2.240	80	>75% Grass cover, Good, HSG D
	2.120	77	Woods, Good, HSG D
	4.740	80	Weighted Average
	4.360	79	91.98% Pervious Area
	0.380	98	8.02% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
20.0					**Direct Entry,**

Subcatchment E-1: Existing Drainage Area



Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

Summary for Subcatchment E-1: Existing Drainage Area

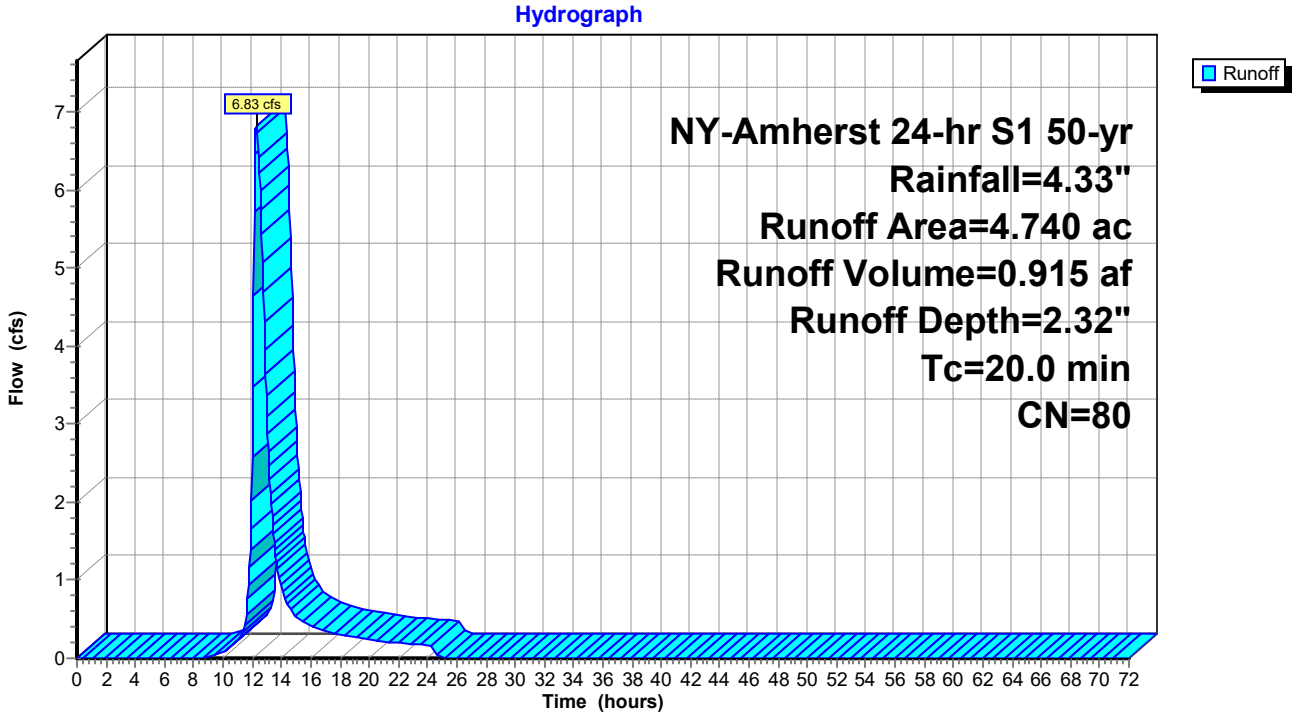
Runoff = 6.83 cfs @ 12.29 hrs, Volume= 0.915 af, Depth= 2.32"

Runoff by SCS TR-20 method, UH=Delmarva, Weighted-CN, Time Span= 0.00-72.00 hrs, dt= 0.05 hrs
NY-Amherst 24-hr S1 50-yr Rainfall=4.33"

	Area (ac)	CN	Description
*	0.380	98	Impervious
	2.240	80	>75% Grass cover, Good, HSG D
	2.120	77	Woods, Good, HSG D
	4.740	80	Weighted Average
	4.360	79	91.98% Pervious Area
	0.380	98	8.02% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
20.0					**Direct Entry,**

Subcatchment E-1: Existing Drainage Area



Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

Summary for Subcatchment E-1: Existing Drainage Area

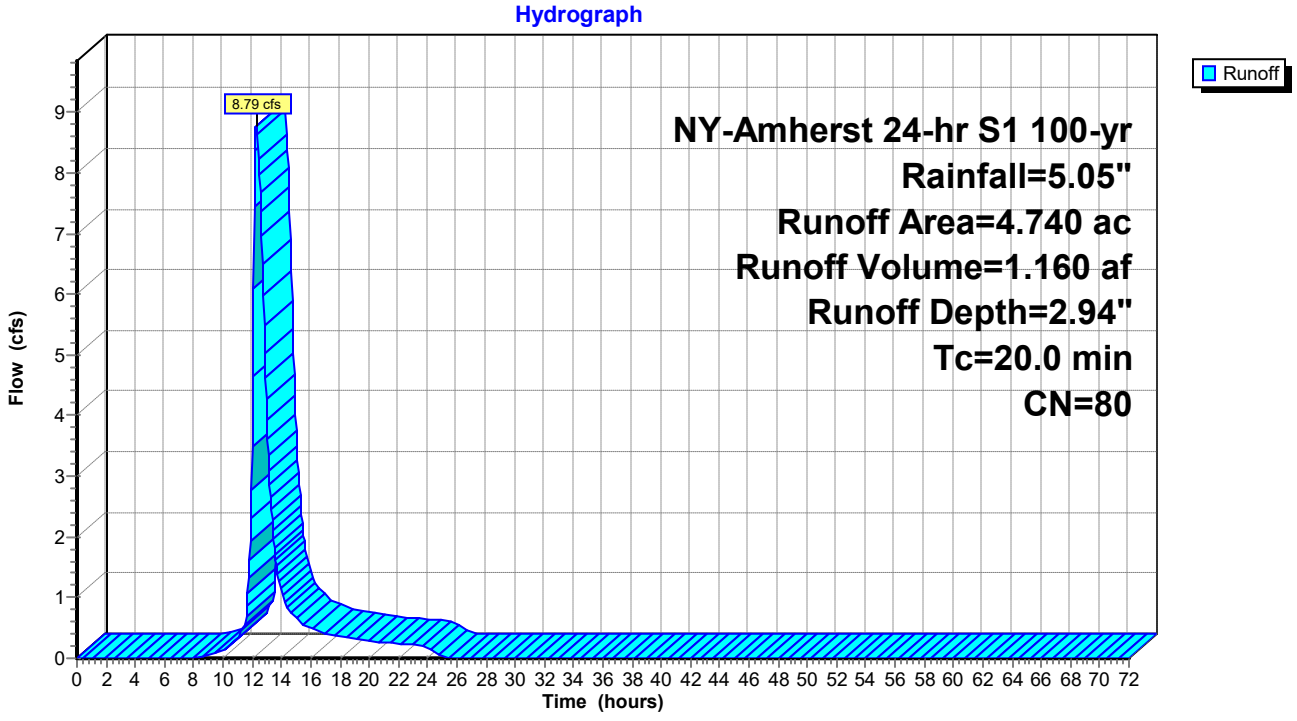
Runoff = 8.79 cfs @ 12.29 hrs, Volume= 1.160 af, Depth= 2.94"

Runoff by SCS TR-20 method, UH=Delmarva, Weighted-CN, Time Span= 0.00-72.00 hrs, dt= 0.05 hrs
NY-Amherst 24-hr S1 100-yr Rainfall=5.05"

	Area (ac)	CN	Description
*	0.380	98	Impervious
	2.240	80	>75% Grass cover, Good, HSG D
	2.120	77	Woods, Good, HSG D
	4.740	80	Weighted Average
	4.360	79	91.98% Pervious Area
	0.380	98	8.02% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
20.0					**Direct Entry,**

Subcatchment E-1: Existing Drainage Area

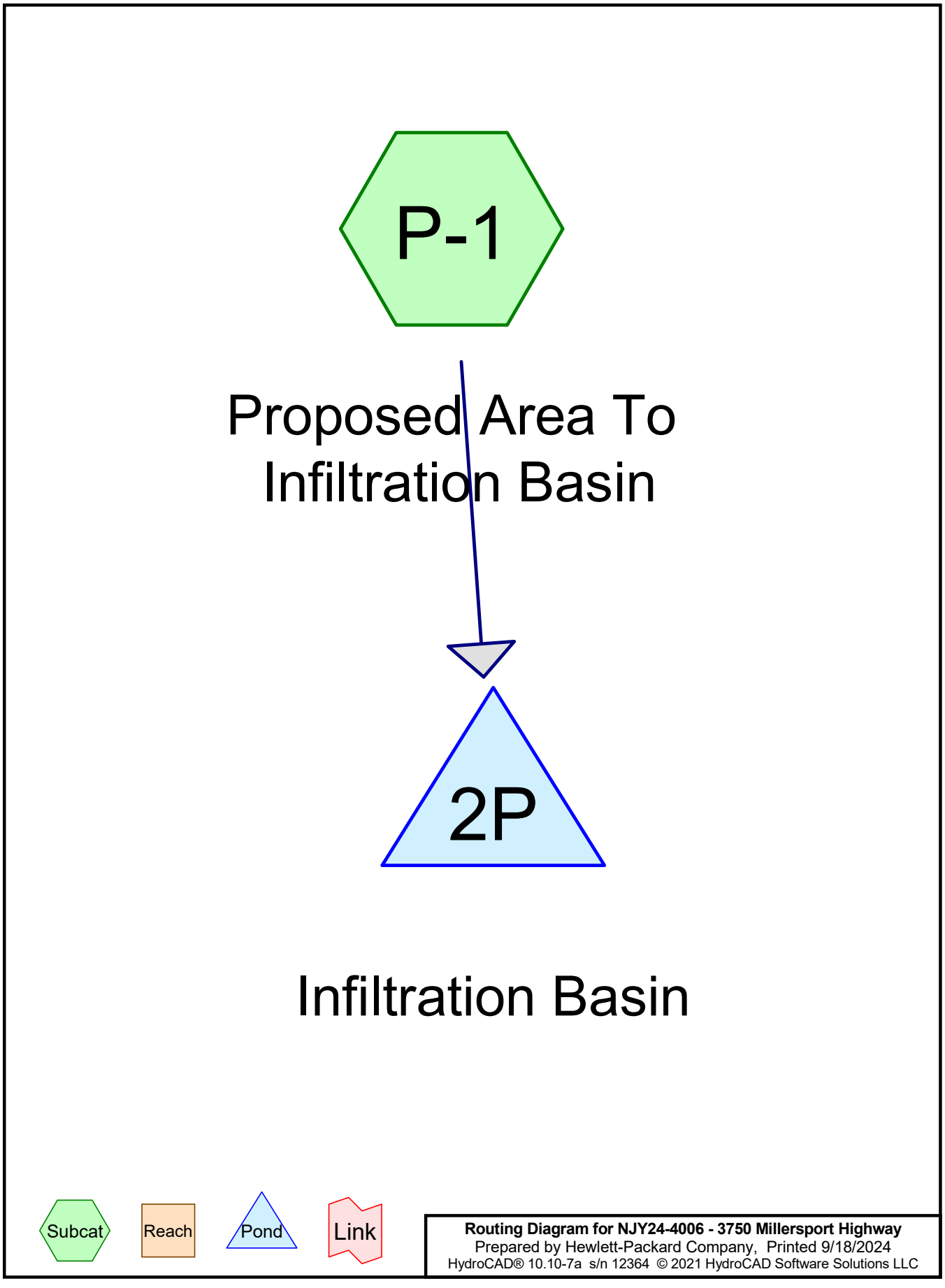


Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

ATTACHMENT D

Post-development Stormwater Calculations

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)



Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

Rainfall Events Listing (selected events)

Event#	Event Name	Storm Type	Curve	Mode	Duration (hours)	B/B	Depth (inches)	AMC
1	1-yr	NY-Amherst 24-hr S1	1-yr	Default	24.00	1	1.80	2
2	10-yr	NY-Amherst 24-hr S1	10-yr	Default	24.00	1	3.06	2
3	25-yr	NY-Amherst 24-hr S1	25-yr	Default	24.00	1	3.73	2
4	100-yr	NY-Amherst 24-hr S1	100-yr	Default	24.00	1	5.05	2

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

Area Listing (selected nodes)

Area (acres)	CN	Description (subcatchment-numbers)
3.950	98	(P-1)
0.790	80	>75% Grass cover, Good, HSG D (P-1)
4.740	**95**	**TOTAL AREA**

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

Time span=0.00-72.00 hrs, dt=0.05 hrs, 1441 points
Runoff by SCS TR-20 method, UH=Delmarva, Weighted-CN
Reach routing by Dyn-Stor-Ind method - Pond routing by Dyn-Stor-Ind method

Subcatchment P-1: Proposed Area To Runoff Area=4.740 ac 83.33% Impervious Runoff Depth=1.29"
Flow Length=743' Tc=12.6 min CN=95 Runoff=5.07 cfs 0.511 af

Pond 2P: Infiltration Basin Peak Elev=574.58' Storage=14,664 cf Inflow=5.07 cfs 0.511 af
Discarded=0.16 cfs 0.499 af Primary=0.03 cfs 0.012 af Outflow=0.19 cfs 0.511 af

Total Runoff Area = 4.740 ac Runoff Volume = 0.511 af Average Runoff Depth = 1.29"
16.67% Pervious = 0.790 ac 83.33% Impervious = 3.950 ac

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

Summary for Subcatchment P-1: Proposed Area To Infiltration Basin

[47] Hint: Peak is 268% of capacity of segment #4

Runoff = 5.07 cfs @ 12.15 hrs, Volume= 0.511 af, Depth= 1.29"
Routed to Pond 2P : Infiltration Basin

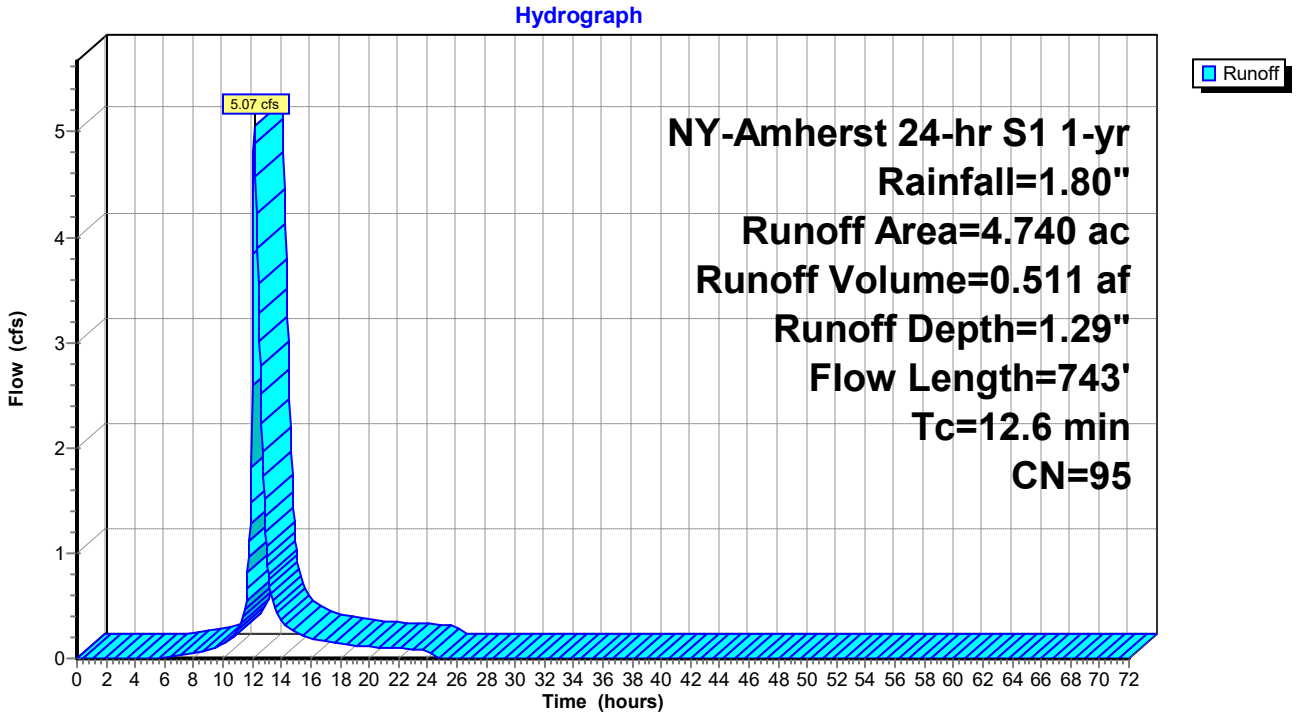
Runoff by SCS TR-20 method, UH=Delmarva, Weighted-CN, Time Span= 0.00-72.00 hrs, dt= 0.05 hrs
NY-Amherst 24-hr S1 1-yr Rainfall=1.80"

	Area (ac)	CN	Description
*	3.950	98	
	0.790	80	>75% Grass cover, Good, HSG D
	4.740	95	Weighted Average
	0.790	80	16.67% Pervious Area
	3.950	98	83.33% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
1.3	100	0.0150	1.24		**Sheet Flow, Sheet Flow** Smooth surfaces n= 0.011 P2= 3.29"
0.6	87	0.0150	2.49		**Shallow Concentrated Flow, Shallow Flow** Paved Kv= 20.3 fps
0.7	194	0.0050	4.97	8.78	**Pipe Channel, 18" Flow** 18.0" Round Area= 1.8 sf Perim= 4.7' r= 0.38' n= 0.011 Concrete pipe, straight & clean
10.0	362	0.0050	0.60	1.89	**Pipe Channel, 24" Pipe Flow** 24.0" Round Area= 3.1 sf Perim= 6.3' r= 0.50' n= 0.110
12.6	743	Total			

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

Subcatchment P-1: Proposed Area To Infiltration Basin



Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

Summary for Pond 2P: Infiltration Basin

Inflow Area = 4.740 ac, 83.33% Impervious, Inflow Depth = 1.29" for 1-yr event
Inflow = 5.07 cfs @ 12.15 hrs, Volume= 0.511 af
Outflow = 0.19 cfs @ 16.30 hrs, Volume= 0.511 af, Atten= 96%, Lag= 248.7 min
Discarded = 0.16 cfs @ 16.30 hrs, Volume= 0.499 af
Primary = 0.03 cfs @ 16.30 hrs, Volume= 0.012 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-72.00 hrs, dt= 0.05 hrs
Peak Elev= 574.58' @ 16.30 hrs Surf.Area= 11,865 sf Storage= 14,664 cf

Plug-Flow detention time= 932.0 min calculated for 0.511 af (100% of inflow)
Center-of-Mass det. time= 931.9 min (1,745.8 - 814.0)

Volume	Invert	Avail.Storage	Storage Description
#1	573.25'	36,283 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
573.25	10,116	0	0
574.25	11,425	10,771	10,771
575.25	12,740	12,083	22,853
576.25	14,120	13,430	36,283

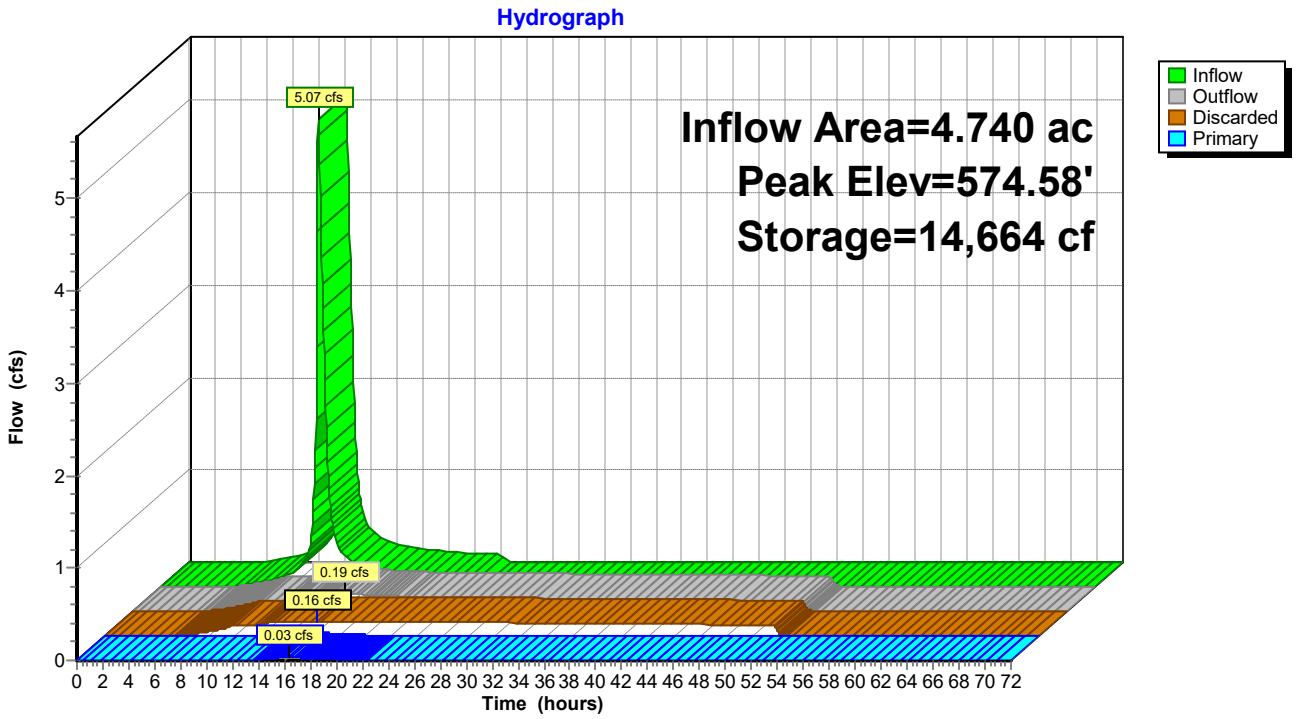
Device	Routing	Invert	Outlet Devices
#1	Primary	574.50'	**24.0" Round Culvert** L= 50.0' CMP, square edge headwall, Ke= 0.500 Inlet / Outlet Invert= 574.50' / 573.75' S= 0.0150 '/' Cc= 0.900 n= 0.010 PVC, smooth interior, Flow Area= 3.14 sf
#2	Device 1	574.50'	**12.0" Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#3	Device 1	574.80'	**6.0" Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#4	Device 1	576.00'	**4.0' long x 0.5' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#5	Discarded	573.25'	**0.500 in/hr Exfiltration over Surface area** Conductivity to Groundwater Elevation = 564.00' Phase-In= 0.01'

Discarded OutFlow Max=0.16 cfs @ 16.30 hrs HW=574.58' (Free Discharge)
└**5=Exfiltration** (Controls 0.16 cfs)

Primary OutFlow Max=0.03 cfs @ 16.30 hrs HW=574.58' (Free Discharge)
└**1=Culvert** (Passes 0.03 cfs of 0.05 cfs potential flow)
  ├**2=Orifice/Grate** (Orifice Controls 0.03 cfs @ 0.99 fps)
  ├**3=Orifice/Grate** (Controls 0.00 cfs)
  └**4=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

Pond 2P: Infiltration Basin



Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

Time span=0.00-72.00 hrs, dt=0.05 hrs, 1441 points
Runoff by SCS TR-20 method, UH=Delmarva, Weighted-CN
Reach routing by Dyn-Stor-Ind method - Pond routing by Dyn-Stor-Ind method

Subcatchment P-1: Proposed Area To Runoff Area=4.740 ac 83.33% Impervious Runoff Depth=2.51"
Flow Length=743' Tc=12.6 min CN=95 Runoff=9.15 cfs 0.991 af

Pond 2P: Infiltration Basin Peak Elev=575.23' Storage=22,625 cf Inflow=9.15 cfs 0.991 af
Discarded=0.18 cfs 0.565 af Primary=2.20 cfs 0.426 af Outflow=2.37 cfs 0.991 af

Total Runoff Area = 4.740 ac Runoff Volume = 0.991 af Average Runoff Depth = 2.51"
16.67% Pervious = 0.790 ac 83.33% Impervious = 3.950 ac

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

Summary for Subcatchment P-1: Proposed Area To Infiltration Basin

[47] Hint: Peak is 104% of capacity of segment #3
[47] Hint: Peak is 484% of capacity of segment #4

Runoff = 9.15 cfs @ 12.15 hrs, Volume= 0.991 af, Depth= 2.51"
Routed to Pond 2P : Infiltration Basin

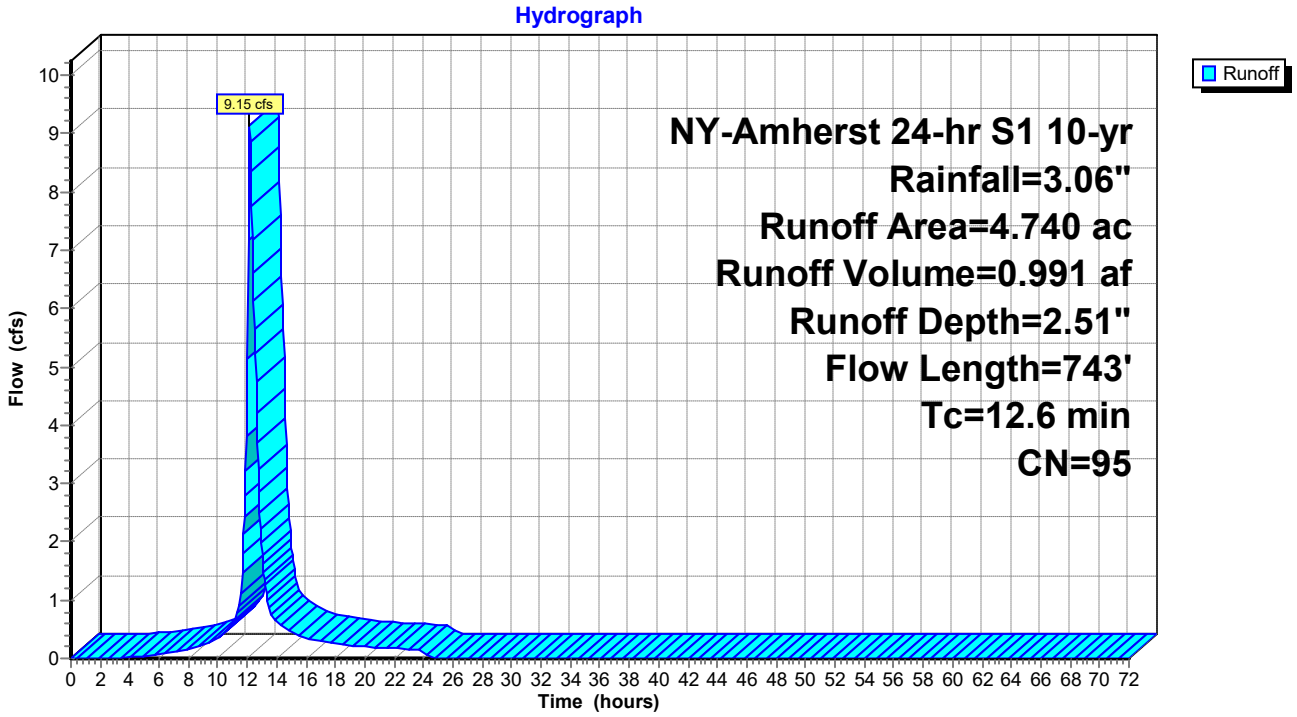
Runoff by SCS TR-20 method, UH=Delmarva, Weighted-CN, Time Span= 0.00-72.00 hrs, dt= 0.05 hrs
NY-Amherst 24-hr S1 10-yr Rainfall=3.06"

	Area (ac)	CN	Description
*	3.950	98	
	0.790	80	>75% Grass cover, Good, HSG D
	4.740	95	Weighted Average
	0.790	80	16.67% Pervious Area
	3.950	98	83.33% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
1.3	100	0.0150	1.24		**Sheet Flow, Sheet Flow** Smooth surfaces n= 0.011 P2= 3.29"
0.6	87	0.0150	2.49		**Shallow Concentrated Flow, Shallow Flow** Paved Kv= 20.3 fps
0.7	194	0.0050	4.97	8.78	**Pipe Channel, 18" Flow** 18.0" Round Area= 1.8 sf Perim= 4.7' r= 0.38' n= 0.011 Concrete pipe, straight & clean
10.0	362	0.0050	0.60	1.89	**Pipe Channel, 24" Pipe Flow** 24.0" Round Area= 3.1 sf Perim= 6.3' r= 0.50' n= 0.110
12.6	743	Total			

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

Subcatchment P-1: Proposed Area To Infiltration Basin



Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

Summary for Pond 2P: Infiltration Basin

Inflow Area = 4.740 ac, 83.33% Impervious, Inflow Depth = 2.51" for 10-yr event
Inflow = 9.15 cfs @ 12.15 hrs, Volume= 0.991 af
Outflow = 2.37 cfs @ 12.87 hrs, Volume= 0.991 af, Atten= 74%, Lag= 43.1 min
Discarded = 0.18 cfs @ 12.87 hrs, Volume= 0.565 af
Primary = 2.20 cfs @ 12.87 hrs, Volume= 0.426 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-72.00 hrs, dt= 0.05 hrs
Peak Elev= 575.23' @ 12.87 hrs Surf.Area= 12,716 sf Storage= 22,625 cf

Plug-Flow detention time= 587.9 min calculated for 0.990 af (100% of inflow)
Center-of-Mass det. time= 588.7 min (1,384.8 - 796.1)

Volume	Invert	Avail.Storage	Storage Description
#1	573.25'	36,283 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
573.25	10,116	0	0
574.25	11,425	10,771	10,771
575.25	12,740	12,083	22,853
576.25	14,120	13,430	36,283

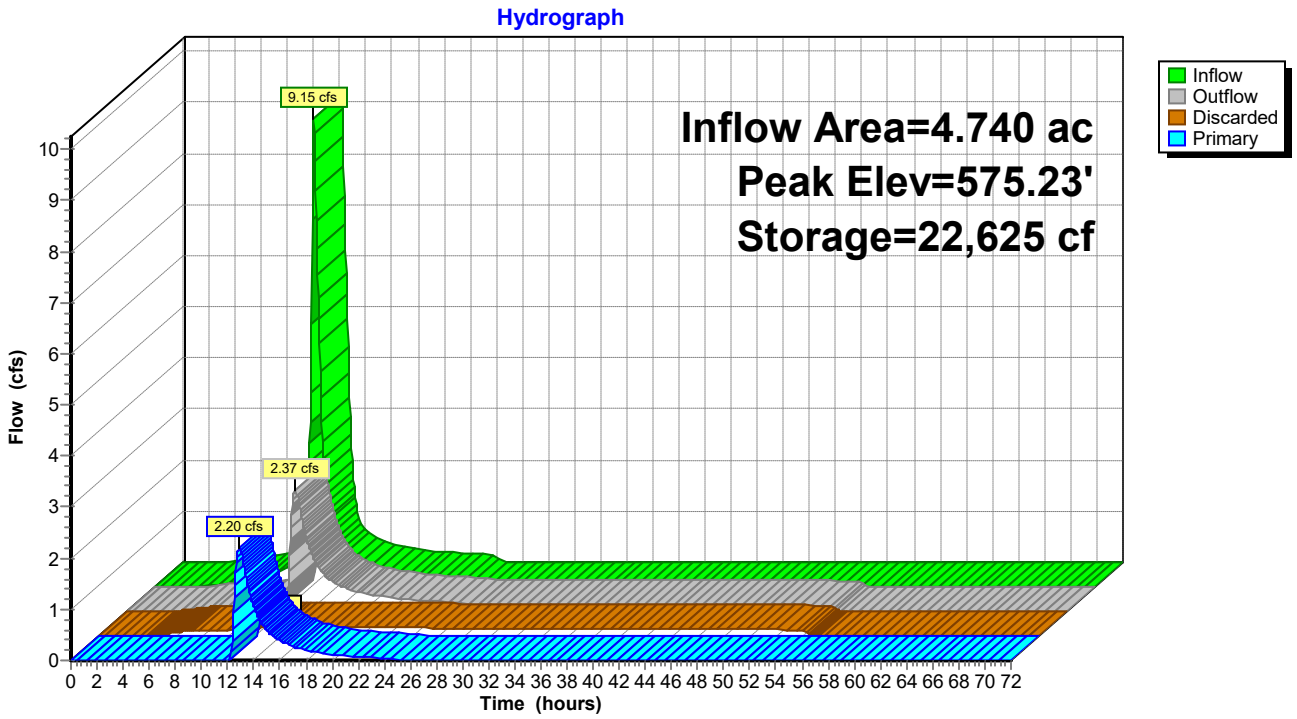
Device	Routing	Invert	Outlet Devices
#1	Primary	574.50'	**24.0" Round Culvert** L= 50.0' CMP, square edge headwall, Ke= 0.500 Inlet / Outlet Invert= 574.50' / 573.75' S= 0.0150 '/' Cc= 0.900 n= 0.010 PVC, smooth interior, Flow Area= 3.14 sf
#2	Device 1	574.50'	**12.0" Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#3	Device 1	574.80'	**6.0" Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#4	Device 1	576.00'	**4.0' long x 0.5' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#5	Discarded	573.25'	**0.500 in/hr Exfiltration over Surface area** Conductivity to Groundwater Elevation = 564.00' Phase-In= 0.01'

Discarded OutFlow Max=0.18 cfs @ 12.87 hrs HW=575.23' (Free Discharge)
└**5=Exfiltration** (Controls 0.18 cfs)

Primary OutFlow Max=2.20 cfs @ 12.87 hrs HW=575.23' (Free Discharge)
└**1=Culvert** (Passes 2.20 cfs of 3.03 cfs potential flow)
  ├**2=Orifice/Grate** (Orifice Controls 1.79 cfs @ 2.91 fps)
  ├**3=Orifice/Grate** (Orifice Controls 0.40 cfs @ 2.24 fps)
  └**4=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

Pond 2P: Infiltration Basin



Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

Time span=0.00-72.00 hrs, dt=0.05 hrs, 1441 points
Runoff by SCS TR-20 method, UH=Delmarva, Weighted-CN
Reach routing by Dyn-Stor-Ind method - Pond routing by Dyn-Stor-Ind method

Subcatchment P-1: Proposed Area To Runoff Area=4.740 ac 83.33% Impervious Runoff Depth=3.17"
Flow Length=743' Tc=12.6 min CN=95 Runoff=11.48 cfs 1.250 af

Pond 2P: Infiltration Basin Peak Elev=575.57' Storage=27,015 cf Inflow=11.48 cfs 1.250 af
Discarded=0.19 cfs 0.581 af Primary=3.54 cfs 0.669 af Outflow=3.73 cfs 1.250 af

Total Runoff Area = 4.740 ac Runoff Volume = 1.250 af Average Runoff Depth = 3.17"
16.67% Pervious = 0.790 ac 83.33% Impervious = 3.950 ac

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

Summary for Subcatchment P-1: Proposed Area To Infiltration Basin

[47] Hint: Peak is 131% of capacity of segment #3
[47] Hint: Peak is 607% of capacity of segment #4

Runoff = 11.48 cfs @ 12.16 hrs, Volume= 1.250 af, Depth= 3.17"
Routed to Pond 2P : Infiltration Basin

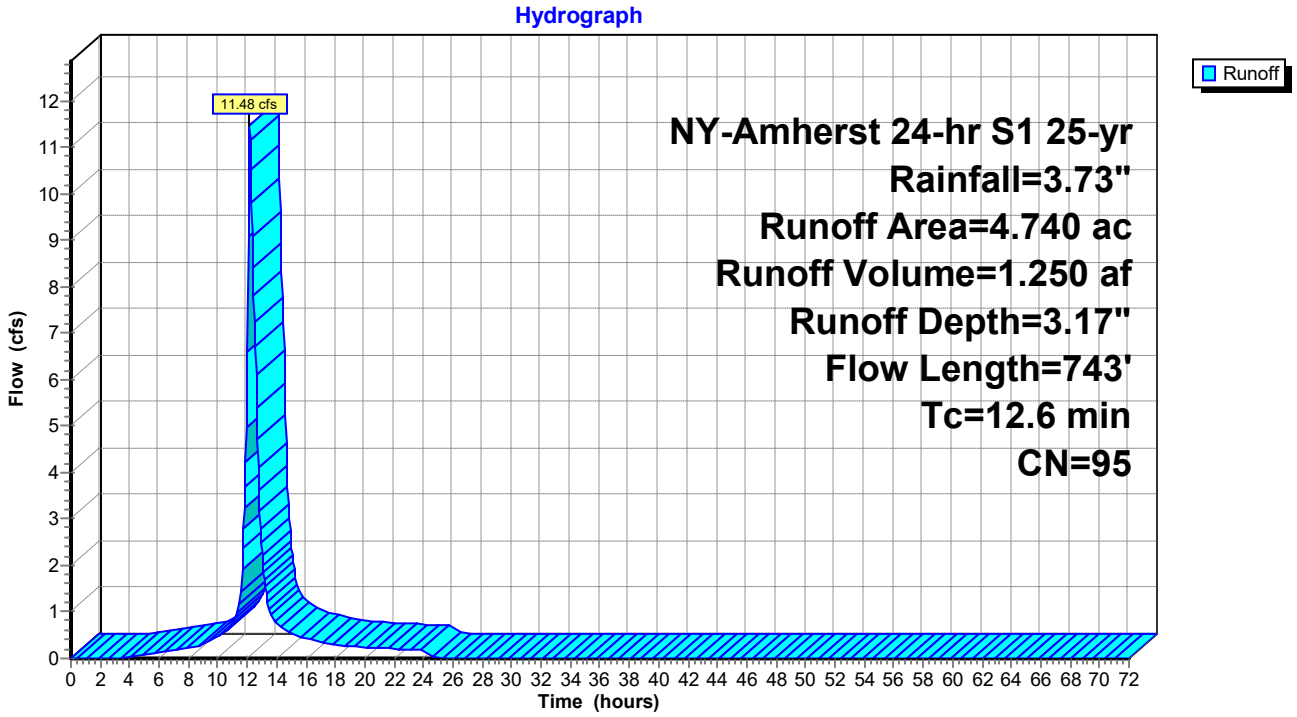
Runoff by SCS TR-20 method, UH=Delmarva, Weighted-CN, Time Span= 0.00-72.00 hrs, dt= 0.05 hrs
NY-Amherst 24-hr S1 25-yr Rainfall=3.73"

	Area (ac)	CN	Description
*	3.950	98	
	0.790	80	>75% Grass cover, Good, HSG D
	4.740	95	Weighted Average
	0.790	80	16.67% Pervious Area
	3.950	98	83.33% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
1.3	100	0.0150	1.24		**Sheet Flow, Sheet Flow** Smooth surfaces n= 0.011 P2= 3.29"
0.6	87	0.0150	2.49		**Shallow Concentrated Flow, Shallow Flow** Paved Kv= 20.3 fps
0.7	194	0.0050	4.97	8.78	**Pipe Channel, 18" Flow** 18.0" Round Area= 1.8 sf Perim= 4.7' r= 0.38' n= 0.011 Concrete pipe, straight & clean
10.0	362	0.0050	0.60	1.89	**Pipe Channel, 24" Pipe Flow** 24.0" Round Area= 3.1 sf Perim= 6.3' r= 0.50' n= 0.110
12.6	743	Total			

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

Subcatchment P-1: Proposed Area To Infiltration Basin



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Summary for Pond 2P: Infiltration Basin

Inflow Area = 4.740 ac, 83.33% Impervious, Inflow Depth = 3.17" for 25-yr event
Inflow = 11.48 cfs @ 12.16 hrs, Volume= 1.250 af
Outflow = 3.73 cfs @ 12.79 hrs, Volume= 1.250 af, Atten= 68%, Lag= 38.0 min
Discarded = 0.19 cfs @ 12.79 hrs, Volume= 0.581 af
Primary = 3.54 cfs @ 12.79 hrs, Volume= 0.669 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-72.00 hrs, dt= 0.05 hrs
Peak Elev= 575.57' @ 12.79 hrs Surf.Area= 13,183 sf Storage= 27,015 cf

Plug-Flow detention time= 490.9 min calculated for 1.250 af (100% of inflow)
Center-of-Mass det. time= 490.8 min (1,280.1 - 789.3)

Volume	Invert	Avail.Storage	Storage Description
#1	573.25'	36,283 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
573.25	10,116	0	0
574.25	11,425	10,771	10,771
575.25	12,740	12,083	22,853
576.25	14,120	13,430	36,283

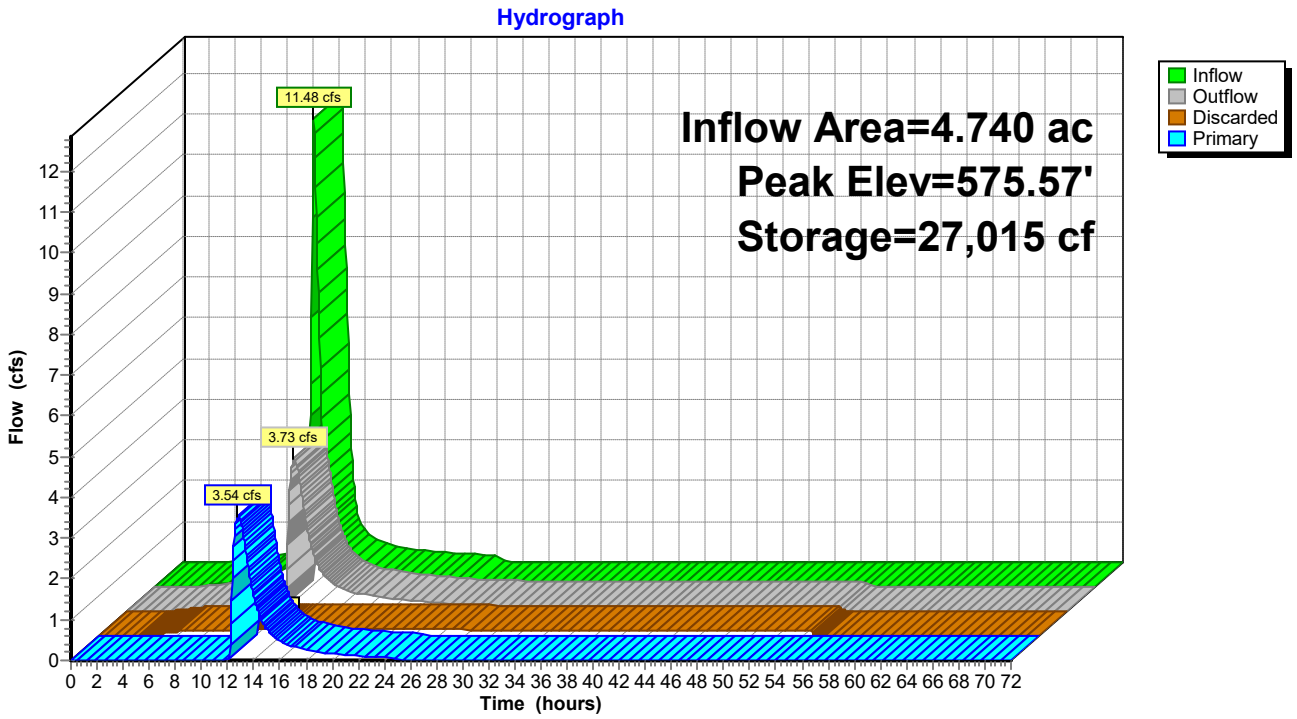
Device	Routing	Invert	Outlet Devices
#1	Primary	574.50'	**24.0" Round Culvert** L= 50.0' CMP, square edge headwall, Ke= 0.500 Inlet / Outlet Invert= 574.50' / 573.75' S= 0.0150 '/' Cc= 0.900 n= 0.010 PVC, smooth interior, Flow Area= 3.14 sf
#2	Device 1	574.50'	**12.0" Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#3	Device 1	574.80'	**6.0" Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#4	Device 1	576.00'	**4.0' long x 0.5' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#5	Discarded	573.25'	**0.500 in/hr Exfiltration over Surface area** Conductivity to Groundwater Elevation = 564.00' Phase-In= 0.01'

Discarded OutFlow Max=0.19 cfs @ 12.79 hrs HW=575.57' (Free Discharge)
└**5=Exfiltration** (Controls 0.19 cfs)

Primary OutFlow Max=3.54 cfs @ 12.79 hrs HW=575.57' (Free Discharge)
└**1=Culvert** (Passes 3.54 cfs of 6.03 cfs potential flow)
  ├**2=Orifice/Grate** (Orifice Controls 2.86 cfs @ 3.64 fps)
  ├**3=Orifice/Grate** (Orifice Controls 0.68 cfs @ 3.47 fps)
  └**4=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

Pond 2P: Infiltration Basin



Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

Time span=0.00-72.00 hrs, dt=0.05 hrs, 1441 points
Runoff by SCS TR-20 method, UH=Delmarva, Weighted-CN
Reach routing by Dyn-Stor-Ind method - Pond routing by Dyn-Stor-Ind method

Subcatchment P-1: Proposed Area To Runoff Area=4.740 ac 83.33% Impervious Runoff Depth=4.47"
Flow Length=743' Tc=12.6 min CN=95 Runoff=16.23 cfs 1.765 af

Pond 2P: Infiltration Basin Peak Elev=576.24' Storage=36,208 cf Inflow=16.23 cfs 1.765 af
Discarded=0.21 cfs 0.606 af Primary=6.62 cfs 1.160 af Outflow=6.83 cfs 1.765 af

Total Runoff Area = 4.740 ac Runoff Volume = 1.765 af Average Runoff Depth = 4.47"
16.67% Pervious = 0.790 ac 83.33% Impervious = 3.950 ac

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

Summary for Subcatchment P-1: Proposed Area To Infiltration Basin

[47] Hint: Peak is 185% of capacity of segment #3
[47] Hint: Peak is 859% of capacity of segment #4

Runoff = 16.23 cfs @ 12.16 hrs, Volume= 1.765 af, Depth= 4.47"
Routed to Pond 2P : Infiltration Basin

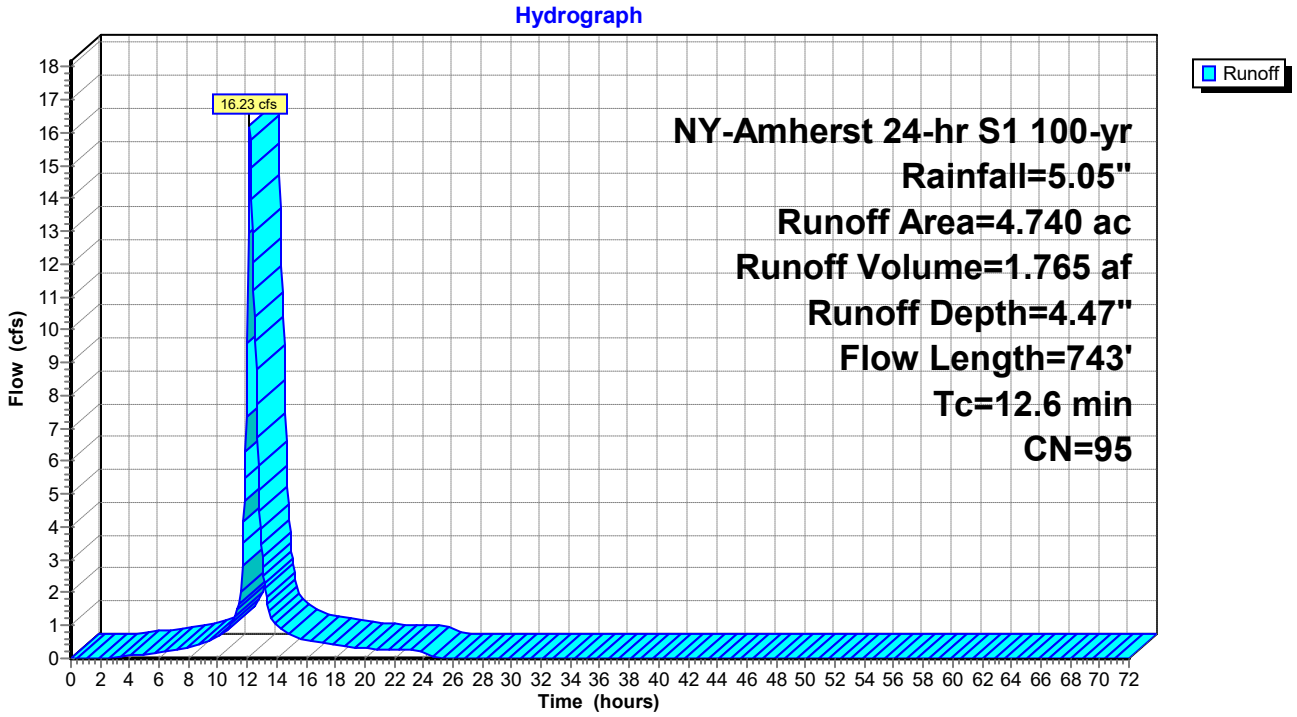
Runoff by SCS TR-20 method, UH=Delmarva, Weighted-CN, Time Span= 0.00-72.00 hrs, dt= 0.05 hrs
NY-Amherst 24-hr S1 100-yr Rainfall=5.05"

	Area (ac)	CN	Description
*	3.950	98	
	0.790	80	>75% Grass cover, Good, HSG D
	4.740	95	Weighted Average
	0.790	80	16.67% Pervious Area
	3.950	98	83.33% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
1.3	100	0.0150	1.24		**Sheet Flow, Sheet Flow** Smooth surfaces n= 0.011 P2= 3.29"
0.6	87	0.0150	2.49		**Shallow Concentrated Flow, Shallow Flow** Paved Kv= 20.3 fps
0.7	194	0.0050	4.97	8.78	**Pipe Channel, 18" Flow** 18.0" Round Area= 1.8 sf Perim= 4.7' r= 0.38' n= 0.011 Concrete pipe, straight & clean
10.0	362	0.0050	0.60	1.89	**Pipe Channel, 24" Pipe Flow** 24.0" Round Area= 3.1 sf Perim= 6.3' r= 0.50' n= 0.110
12.6	743	Total			

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

Subcatchment P-1: Proposed Area To Infiltration Basin



Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

Summary for Pond 2P: Infiltration Basin

Inflow Area = 4.740 ac, 83.33% Impervious, Inflow Depth = 4.47" for 100-yr event
Inflow = 16.23 cfs @ 12.16 hrs, Volume= 1.765 af
Outflow = 6.83 cfs @ 12.70 hrs, Volume= 1.765 af, Atten= 58%, Lag= 32.6 min
Discarded = 0.21 cfs @ 12.70 hrs, Volume= 0.606 af
Primary = 6.62 cfs @ 12.70 hrs, Volume= 1.160 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-72.00 hrs, dt= 0.05 hrs
Peak Elev= 576.24' @ 12.70 hrs Surf.Area= 14,113 sf Storage= 36,208 cf

Plug-Flow detention time= 380.0 min calculated for 1.765 af (100% of inflow)
Center-of-Mass det. time= 379.9 min (1,160.1 - 780.1)

Volume	Invert	Avail.Storage	Storage Description
#1	573.25'	36,283 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
573.25	10,116	0	0
574.25	11,425	10,771	10,771
575.25	12,740	12,083	22,853
576.25	14,120	13,430	36,283

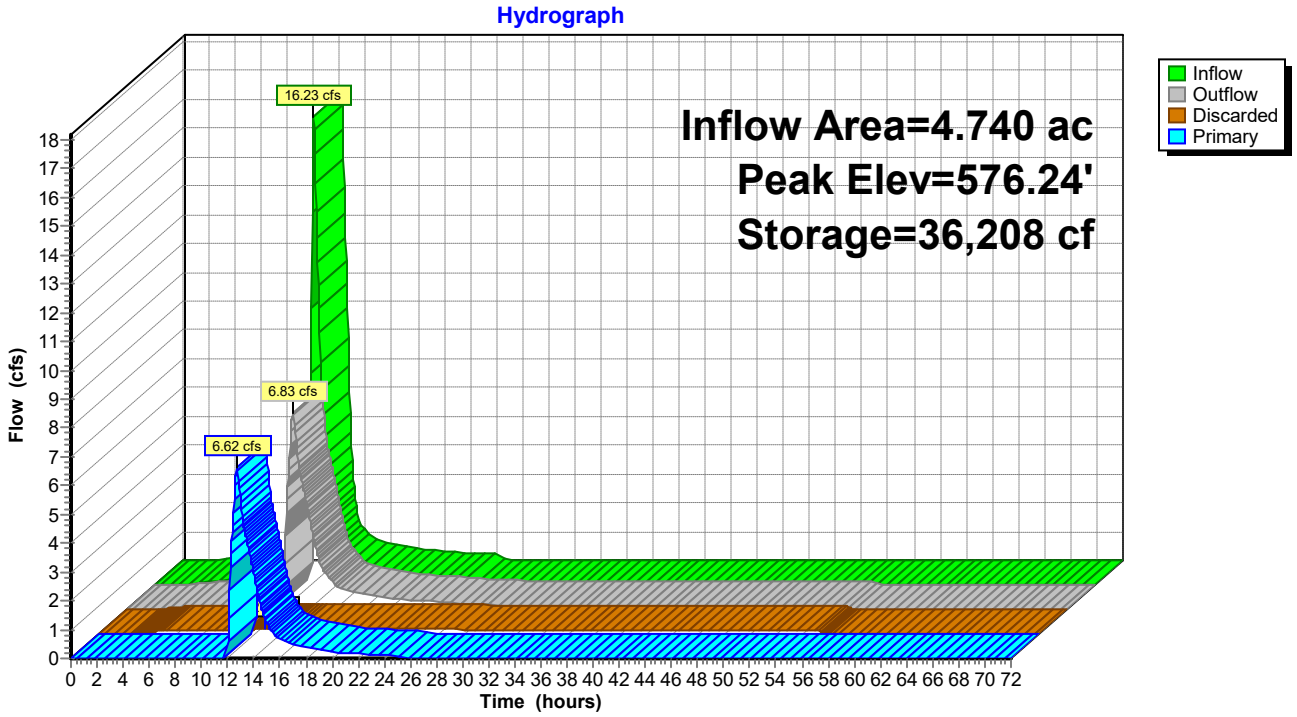
Device	Routing	Invert	Outlet Devices
#1	Primary	574.50'	**24.0" Round Culvert** L= 50.0' CMP, square edge headwall, Ke= 0.500 Inlet / Outlet Invert= 574.50' / 573.75' S= 0.0150 '/' Cc= 0.900 n= 0.010 PVC, smooth interior, Flow Area= 3.14 sf
#2	Device 1	574.50'	**12.0" Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#3	Device 1	574.80'	**6.0" Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#4	Device 1	576.00'	**4.0' long x 0.5' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#5	Discarded	573.25'	**0.500 in/hr Exfiltration over Surface area** Conductivity to Groundwater Elevation = 564.00' Phase-In= 0.01'

Discarded OutFlow Max=0.21 cfs @ 12.70 hrs HW=576.24' (Free Discharge)
└**5=Exfiltration** (Controls 0.21 cfs)

Primary OutFlow Max=6.62 cfs @ 12.70 hrs HW=576.24' (Free Discharge)
└**1=Culvert** (Passes 6.62 cfs of 13.08 cfs potential flow)
  ├**2=Orifice/Grate** (Orifice Controls 4.22 cfs @ 5.37 fps)
  ├**3=Orifice/Grate** (Orifice Controls 1.03 cfs @ 5.26 fps)
  └**4=Broad-Crested Rectangular Weir** (Weir Controls 1.37 cfs @ 1.40 fps)

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

Pond 2P: Infiltration Basin



Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

ATTACHMENT E

Geotechnical Infiltration Testing Report

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

TO BE COMPLETED

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

ATTACHMENT F

NYSDEC SPDES General Permit for Stormwater Discharges

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SPDES GENERAL PERMIT
FOR STORMWATER DISCHARGES

From

CONSTRUCTION ACTIVITY

Permit No. GP- 0-20-001

Issued Pursuant to Article 17, Titles 7, 8 and Article 70

of the Environmental Conservation Law

Effective Date: January 29, 2020

Expiration Date: January 28, 2025

John J. Ferguson

Chief Permit Administrator

1-23-20

Authorized Signature

Date

Address: NYS DEC
Division of Environmental Permits
625 Broadway, 4th Floor
Albany, N.Y. 12233-1750

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

PREFACE

Pursuant to Section 402 of the Clean Water Act ("CWA"), stormwater *discharges* from certain *construction activities* are unlawful unless they are authorized by a *National Pollutant Discharge Elimination System ("NPDES")* permit or by a state permit program. New York administers the approved State Pollutant Discharge Elimination System (SPDES) program with permits issued in accordance with the New York State Environmental Conservation Law (ECL) Article 17, Titles 7, 8 and Article 70.

An *owner or operator* of a *construction activity* that is eligible for coverage under this permit must obtain coverage prior to the *commencement of construction activity*. Activities that fit the definition of "*construction activity*", as defined under 40 CFR 122.26(b)(14)(x), (15)(i), and (15)(ii), constitute construction of a *point source* and therefore, pursuant to ECL section 17-0505 and 17-0701, the *owner or operator* must have coverage under a SPDES permit prior to *commencing construction activity*. The *owner or operator* cannot wait until there is an actual *discharge* from the *construction site* to obtain permit coverage.

***Note: The italicized words/phrases within this permit are defined in Appendix A.**

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
SPDES GENERAL PERMIT FOR STORMWATER DISCHARGES FROM CONSTRUCTION ACTIVITIES

Table of Contents

Part 1. PERMIT COVERAGE AND LIMITATIONS 1
- A. Permit Application 1
- B. Effluent Limitations Applicable to Discharges from Construction Activities 1
- C. Post-construction Stormwater Management Practice Requirements 4
- D. Maintaining Water Quality 8
- E. Eligibility Under This General Permit 9
- F. Activities Which Are Ineligible for Coverage Under This General Permit 9

Part II. PERMIT COVERAGE 12
- A. How to Obtain Coverage 12
- B. Notice of Intent (NOI) Submittal 13
- C. Permit Authorization 13
- D. General Requirements For Owners or Operators With Permit Coverage 15
- E. Permit Coverage for Discharges Authorized Under GP-0-15-002 17
- F. Change of Owner or Operator 17

Part III. STORMWATER POLLUTION PREVENTION PLAN (SWPPP) 18
- A. General SWPPP Requirements 18
- B. Required SWPPP Contents 20
- C. Required SWPPP Components by Project Type 24

Part IV. INSPECTION AND MAINTENANCE REQUIREMENTS 24
- A. General Construction Site Inspection and Maintenance Requirements 24
- B. Contractor Maintenance Inspection Requirements 24
- C. Qualified Inspector Inspection Requirements 25

Part V. TERMINATION OF PERMIT COVERAGE 29
- A. Termination of Permit Coverage 29

Part VI. REPORTING AND RETENTION RECORDS 31
- A. Record Retention 31
- B. Addresses 31

Part VII. STANDARD PERMIT CONDITIONS 31
- A. Duty to Comply 31
- B. Continuation of the Expired General Permit 32
- C. Enforcement 32
- D. Need to Halt or Reduce Activity Not a Defense 32
- E. Duty to Mitigate 33
- F. Duty to Provide Information 33
- G. Other Information 33
- H. Signatory Requirements 33
- I. Property Rights 35
- J. Severability 35

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

K. Requirement to Obtain Coverage Under an Alternative Permit....35
L. Proper Operation and Maintenance....36
M. Inspection and Entry....36
N. Permit Actions....37
O. Definitions....37
P. Re-Opener Clause....37
Q. Penalties for Falsification of Forms and Reports....37
R. Other Permits....38
APPENDIX A – Acronyms and Definitions....39
Acronyms....39
Definitions....40
APPENDIX B – Required SWPPP Components by Project Type....48
Table 1....48
Table 2....50
APPENDIX C – Watersheds Requiring Enhanced Phosphorus Removal....52
APPENDIX D – Watersheds with Lower Disturbance Threshold....58
APPENDIX E – 303(d) Segments Impaired by Construction Related Pollutant(s)....59
APPENDIX F – List of NYS DEC Regional Offices....65

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

Part 1. PERMIT COVERAGE AND LIMITATIONS

A. Permit Application

This permit authorizes stormwater *discharges* to *surface waters of the State* from the following *construction activities* identified within 40 CFR Parts 122.26(b)(14)(x), 122.26(b)(15)(i) and 122.26(b)(15)(ii), provided all of the eligibility provisions of this permit are met:

1. *Construction activities* involving soil disturbances of one (1) or more acres; including disturbances of less than one acre that are part of a *larger common plan of development or sale* that will ultimately disturb one or more acres of land; excluding *routine maintenance activity* that is performed to maintain the original line and grade, hydraulic capacity or original purpose of a facility;

2. *Construction activities* involving soil disturbances of less than one (1) acre where the Department has determined that a *SPDES* permit is required for stormwater *discharges* based on the potential for contribution to a violation of a *water quality standard* or for significant contribution of *pollutants* to *surface waters of the State.*

3. *Construction activities* located in the watershed(s) identified in Appendix D that involve soil disturbances between five thousand (5,000) square feet and one (1) acre of land.

B. Effluent Limitations Applicable to Discharges from Construction Activities

Discharges authorized by this permit must achieve, at a minimum, the effluent limitations in Part I.B.1. (a) – (f) of this permit. These limitations represent the degree of effluent reduction attainable by the application of best practicable technology currently available.

1. Erosion and Sediment Control Requirements - The *owner or operator* must select, design, install, implement and maintain control measures to *minimize* the *discharge* of *pollutants* and prevent a violation of the *water quality standards*. The selection, design, installation, implementation, and maintenance of these control measures must meet the non-numeric effluent limitations in Part I.B.1.(a) – (f) of this permit and be in accordance with the New York State Standards and Specifications for Erosion and Sediment Control, dated November 2016, using sound engineering judgment. Where control measures are not designed in conformance with the design criteria included in the technical standard, the *owner or operator* must include in the *Stormwater Pollution Prevention Plan* ("SWPPP") the reason(s) for the

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

deviation or alternative design and provide information which demonstrates that the deviation or alternative design is *equivalent* to the technical standard.

a. **Erosion and Sediment Controls.** Design, install and maintain effective erosion and sediment controls to *minimize* the *discharge* of *pollutants* and prevent a violation of the *water quality standards*. At a minimum, such controls must be designed, installed and maintained to:

   (i) *Minimize* soil erosion through application of runoff control and soil stabilization control measure to *minimize pollutant discharge*s;

   (ii) Control stormwater *discharge*s, including both peak flowrates and total stormwater volume, to *minimize* channel and *streambank* erosion and scour in the immediate vicinity of the *discharge* points;

   (iii) *Minimize* the amount of soil exposed during *construction activity*;

   (iv) *Minimize* the disturbance of *steep slopes*;

   (v) *Minimize* sediment *discharge*s from the site;

   (vi) Provide and maintain *natural buffer*s around surface waters, direct stormwater to vegetated areas and maximize stormwater infiltration to reduce *pollutant discharge*s, unless *infeasible*;

   (vii) *Minimize* soil compaction. Minimizing soil compaction is not required where the intended function of a specific area of the site dictates that it be compacted;

   (viii) Unless *infeasible*, preserve a sufficient amount of topsoil to complete soil restoration and establish a uniform, dense vegetative cover; and

   (ix) *Minimize* dust. On areas of exposed soil, *minimize* dust through the appropriate application of water or other dust suppression techniques to control the generation of pollutants that could be discharged from the site.

b. **Soil Stabilization**. In areas where soil disturbance activity has temporarily or permanently ceased, the application of soil stabilization measures must be initiated by the end of the next business day and completed within fourteen (14) days from the date the current soil disturbance activity ceased. For construction sites that *directly discharge* to one of the 303(d) segments

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

listed in Appendix E or is located in one of the watersheds listed in Appendix C, the application of soil stabilization measures must be initiated by the end of the next business day and completed within seven (7) days from the date the current soil disturbance activity ceased. See Appendix A for definition of *Temporarily Ceased*.

c. **Dewatering**. *Discharges* from *dewatering* activities, including *discharges* from *dewatering* of trenches and excavations, must be managed by appropriate control measures.

d. **Pollution Prevention Measures**. Design, install, implement, and maintain effective pollution prevention measures to *minimize* the *discharge* of *pollutants* and prevent a violation of the *water quality standards*. At a minimum, such measures must be designed, installed, implemented and maintained to:

(i) *Minimize* the *discharge* of *pollutants* from equipment and vehicle washing, wheel wash water, and other wash waters. This applies to washing operations that use clean water only. Soaps, detergents and solvents cannot be used;

(ii) *Minimize* the exposure of building materials, building products, construction wastes, trash, landscape materials, fertilizers, pesticides, herbicides, detergents, sanitary waste, hazardous and toxic waste, and other materials present on the site to precipitation and to stormwater. Minimization of exposure is not required in cases where the exposure to precipitation and to stormwater will not result in a *discharge* of *pollutants*, or where exposure of a specific material or product poses little risk of stormwater contamination (such as final products and materials intended for outdoor use) ; and

(iii) Prevent the *discharge* of *pollutants* from spills and leaks and implement chemical spill and leak prevention and response procedures.

e. **Prohibited *Discharges*.** The following *discharges* are prohibited:

(i) Wastewater from washout of concrete;

(ii) Wastewater from washout and cleanout of stucco, paint, form release oils, curing compounds and other construction materials;

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

(iii) Fuels, oils, or other *pollutants* used in vehicle and equipment operation and maintenance;

(iv) Soaps or solvents used in vehicle and equipment washing; and

(v) Toxic or hazardous substances from a spill or other release.

f. Surface Outlets. When discharging from basins and impoundments, the outlets shall be designed, constructed and maintained in such a manner that sediment does not leave the basin or impoundment and that erosion at or below the outlet does not occur.

C. Post-construction Stormwater Management Practice Requirements

1. The *owner or operator* of a *construction activity* that requires post-construction stormwater management practices pursuant to Part III.C. of this permit must select, design, install, and maintain the practices to meet the *performance criteria* in the New York State Stormwater Management Design Manual ("Design Manual"), dated January 2015, using sound engineering judgment. Where post-construction stormwater management practices ("SMPs") are not designed in conformance with the *performance criteria* in the Design Manual, the *owner or operator* must include in the SWPPP the reason(s) for the deviation or alternative design and provide information which demonstrates that the deviation or alternative design is *equivalent* to the technical standard.

2. The *owner or operator* of a *construction activity* that requires post-construction stormwater management practices pursuant to Part III.C. of this permit must design the practices to meet the applicable *sizing criteria* in Part I.C.2.a., b., c. or d. of this permit.

a. Sizing Criteria for New Development

(i) Runoff Reduction Volume ("RRv"): Reduce the total Water Quality Volume ("WQv") by application of RR techniques and standard SMPs with RRv capacity. The total WQv shall be calculated in accordance with the criteria in Section 4.2 of the Design Manual.

(ii) Minimum RRv and Treatment of Remaining Total WQv: Construction activities that cannot meet the criteria in Part I.C.2.a.(i) of this permit due to site limitations shall direct runoff from all newly constructed impervious areas to a RR technique or standard SMP with RRv capacity unless infeasible. The specific site limitations that prevent the reduction of 100% of the WQv shall be documented in the SWPPP.

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

For each impervious area that is not directed to a RR technique or standard SMP with RRv capacity, the SWPPP must include documentation which demonstrates that all options were considered and for each option explains why it is considered infeasible.

In no case shall the runoff reduction achieved from the newly constructed impervious areas be less than the Minimum RRv as calculated using the criteria in Section 4.3 of the Design Manual. The remaining portion of the total WQv that cannot be reduced shall be treated by application of standard SMPs.

(iii) Channel Protection Volume ("Cpv"): Provide 24 hour extended detention of the post-developed 1-year, 24-hour storm event; remaining after runoff reduction. The Cpv requirement does not apply when:
(1) Reduction of the entire Cpv is achieved by application of runoff reduction techniques or infiltration systems, or
(2) The site discharges directly to tidal waters, or fifth order or larger streams.

(iv) *Overbank* Flood Control Criteria ("Qp"): Requires storage to attenuate the post-development 10-year, 24-hour peak discharge rate (Qp) to predevelopment rates. The Qp requirement does not apply when:
(1) the site discharges directly to tidal waters or fifth order or larger streams, or
(2) A downstream analysis reveals that *overbank* control is not required.

(v) Extreme Flood Control Criteria ("Qf"): Requires storage to attenuate the post-development 100-year, 24-hour peak discharge rate (Qf) to predevelopment rates. The Qf requirement does not apply when:
(1) the site discharges directly to tidal waters or fifth order or larger streams, or
(2) A downstream analysis reveals that *overbank* control is not required.

b. *Sizing Criteria* for *New Development* in Enhanced Phosphorus Removal Watershed

(i) Runoff Reduction Volume (RRv): Reduce the total Water Quality Volume (WQv) by application of RR techniques and standard SMPs with RRv capacity. The total WQv is the runoff volume from the 1-year, 24 hour design storm over the post-developed watershed and shall be

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

calculated in accordance with the criteria in Section 10.3 of the Design Manual.

(ii) Minimum RRv and Treatment of Remaining Total WQv: *Construction activities* that cannot meet the criteria in Part I.C.2.b.(i) of this permit due to *site limitations* shall direct runoff from all newly constructed *impervious areas* to a RR technique or standard SMP with RRv capacity unless *infeasible*. The specific *site limitations* that prevent the reduction of 100% of the WQv shall be documented in the SWPPP. For each *impervious area* that is not directed to a RR technique or standard SMP with RRv capacity, the SWPPP must include documentation which demonstrates that all options were considered and for each option explains why it is considered *infeasible.*

In no case shall the runoff reduction achieved from the newly constructed *impervious areas* be less than the Minimum RRv as calculated using the criteria in Section 10.3 of the Design Manual. The remaining portion of the total WQv that cannot be reduced shall be treated by application of standard SMPs.

(iii) Channel Protection Volume (Cpv): Provide 24 hour extended detention of the post-developed 1-year, 24-hour storm event; remaining after runoff reduction. The Cpv requirement does not apply when:
(1) Reduction of the entire Cpv is achieved by application of runoff reduction techniques or infiltration systems, or
(2) The site *discharge*s directly to tidal waters, or fifth order or larger streams.

(iv) *Overbank* Flood Control Criteria (Qp): Requires storage to attenuate the post-development 10-year, 24-hour peak *discharge* rate (Qp) to predevelopment rates. The Qp requirement does not apply when:
(1) the site *discharge*s directly to tidal waters or fifth order or larger streams, or
(2) A downstream analysis reveals that *overbank* control is not required.

(v) Extreme Flood Control Criteria (Qf): Requires storage to attenuate the post-development 100-year, 24-hour peak *discharge* rate (Qf) to predevelopment rates. The Qf requirement does not apply when:
(1) the site *discharge*s directly to tidal waters or fifth order or larger streams, or
(2) A downstream analysis reveals that *overbank* control is not required.

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

(Part I.C.2.c)

c. Sizing Criteria for Redevelopment Activity

(i) Water Quality Volume (WQv): The WQv treatment objective for *redevelopment activity* shall be addressed by one of the following options. *Redevelopment activities* located in an Enhanced Phosphorus Removal Watershed (see Part III.B.3. and Appendix C of this permit) shall calculate the WQv in accordance with Section 10.3 of the Design Manual. All other *redevelopment activities* shall calculate the WQv in accordance with Section 4.2 of the Design Manual.

(1) Reduce the existing *impervious cover* by a minimum of 25% of the total disturbed, *impervious area*. The Soil Restoration criteria in Section 5.1.6 of the Design Manual must be applied to all newly created pervious areas, or

(2) Capture and treat a minimum of 25% of the WQv from the disturbed, *impervious area* by the application of standard SMPs; or reduce 25% of the WQv from the disturbed, *impervious area* by the application of RR techniques or standard SMPs with RRv capacity., or

(3) Capture and treat a minimum of 75% of the WQv from the disturbed, *impervious area* as well as any additional runoff from tributary areas by application of the alternative practices discussed in Sections 9.3 and 9.4 of the Design Manual., or

(4) Application of a combination of 1, 2 and 3 above that provide a weighted average of at least two of the above methods. Application of this method shall be in accordance with the criteria in Section 9.2.1(B) (IV) of the Design Manual.

If there is an existing post-construction stormwater management practice located on the site that captures and treats runoff from the *impervious area* that is being disturbed, the WQv treatment option selected must, at a minimum, provide treatment equal to the treatment that was being provided by the existing practice(s) if that treatment is greater than the treatment required by options 1 – 4 above.

(ii) Channel Protection Volume (Cpv): Not required if there are no changes to hydrology that increase the *discharge* rate from the project site.

(iii) *Overbank* Flood Control Criteria (Qp): Not required if there are no changes to hydrology that increase the *discharge* rate from the project site.

(iv) Extreme Flood Control Criteria (Qf): Not required if there are no changes to hydrology that increase the *discharge* rate from the project site

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

d. Sizing Criteria for Combination of Redevelopment Activity and New Development

Construction projects that include both New Development and Redevelopment Activity shall provide post-construction stormwater management controls that meet the sizing criteria calculated as an aggregate of the Sizing Criteria in Part I.C.2.a. or b. of this permit for the New Development portion of the project and Part I.C.2.c of this permit for Redevelopment Activity portion of the project.

D. Maintaining Water Quality

The Department expects that compliance with the conditions of this permit will control *discharge*s necessary to meet applicable *water quality standards*. It shall be a violation of the *ECL* for any discharge to either cause or contribute to a violation of *water quality standards* as contained in Parts 700 through 705 of Title 6 of the Official Compilation of Codes, Rules and Regulations of the State of New York, such as:

1. There shall be no increase in turbidity that will cause a substantial visible contrast to natural conditions;

2. There shall be no increase in suspended, colloidal or settleable solids that will cause deposition or impair the waters for their best usages; and

3. There shall be no residue from oil and floating substances, nor visible oil film, nor globules of grease.

If there is evidence indicating that the stormwater *discharge*s authorized by this permit are causing, have the reasonable potential to cause, or are contributing to a violation of the *water quality standards*; the *owner or operator* must take appropriate corrective action in accordance with Part IV.C.5. of this general permit and document in accordance with Part IV.C.4. of this general permit. To address the *water quality standard* violation the *owner or operator* may need to provide additional information, include and implement appropriate controls in the SWPPP to correct the problem, or obtain an individual SPDES permit.

If there is evidence indicating that despite compliance with the terms and conditions of this general permit it is demonstrated that the stormwater *discharge*s authorized by this permit are causing or contributing to a violation of *water quality standards*, or if the Department determines that a modification of the permit is necessary to prevent a violation of *water quality standards*, the authorized *discharge*s will no longer be eligible for coverage under this permit. The Department may require the *owner or operator* to obtain an individual SPDES permit to continue discharging.

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

E. Eligibility Under This General Permit

1. This permit may authorize all *discharges* of stormwater from *construction activity* to *surface waters of the State* and *groundwaters* except for ineligible *discharges* identified under subparagraph F. of this Part.

2. Except for non-stormwater *discharges* explicitly listed in the next paragraph, this permit only authorizes stormwater *discharge*s; including stormwater runoff, snowmelt runoff, and surface runoff and drainage, from *construction activities*.

3. Notwithstanding paragraphs E.1 and E.2 above, the following non-stormwater discharges are authorized by this permit: those listed in 6 NYCRR 750-1.2(a)(29)(vi), with the following exception: "Discharges from firefighting activities are authorized only when the firefighting activities are emergencies/unplanned"; waters to which other components have not been added that are used to control dust in accordance with the SWPPP; and uncontaminated *discharge*s from *construction site* de-watering operations. All non-stormwater discharges must be identified in the SWPPP. Under all circumstances, the *owner or operator* must still comply with *water quality standards* in Part I.D of this permit.

4. The *owner or operator* must maintain permit eligibility to *discharge* under this permit. Any *discharges* that are not compliant with the eligibility conditions of this permit are not authorized by the permit and the *owner or operator* must either apply for a separate permit to cover those ineligible *discharges* or take steps necessary to make the *discharge* eligible for coverage.

F. Activities Which Are Ineligible for Coverage Under This General Permit

All of the following are **not** authorized by this permit:

1. *Discharge*s after *construction activities* have been completed and the site has undergone *final stabilization*;

2. *Discharges* that are mixed with sources of non-stormwater other than those expressly authorized under subsection E.3. of this Part and identified in the SWPPP required by this permit;

3. *Discharges* that are required to obtain an individual SPDES permit or another SPDES general permit pursuant to Part VII.K. of this permit;

4. *Construction activities* or *discharges* from *construction activities* that may adversely affect an *endangered or threatened species* unless the *owner or*

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

operator has obtained a permit issued pursuant to 6 NYCRR Part 182 for the project or the Department has issued a letter of non-jurisdiction for the project. All documentation necessary to demonstrate eligibility shall be maintained on site in accordance with Part II.D.2 of this permit;

5. *Discharges* which either cause or contribute to a violation of *water quality standards* adopted pursuant to the *ECL* and its accompanying regulations;

6. *Construction activities* for residential, commercial and institutional projects:

   a. Where the *discharge*s from the *construction activities* are tributary to waters of the state classified as AA or AA-s; and

   b. Which are undertaken on land with no existing *impervious cover*; and

   c. Which disturb one (1) or more acres of land designated on the current United States Department of Agriculture ("USDA") Soil Survey as Soil Slope Phase "D", (provided the map unit name is inclusive of slopes greater than 25%), or Soil Slope Phase "E" or "F" (regardless of the map unit name), or a combination of the three designations.

7. *Construction activities* for linear transportation projects and linear utility projects:

   a. Where the *discharge*s from the *construction activities* are tributary to waters of the state classified as AA or AA-s; and

   b. Which are undertaken on land with no existing *impervious cover*; and

   c. Which disturb two (2) or more acres of land designated on the current USDA Soil Survey as Soil Slope Phase "D" (provided the map unit name is inclusive of slopes greater than 25%), or Soil Slope Phase "E" or "F" (regardless of the map unit name), or a combination of the three designations.

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

8. *Construction activities* that have the potential to affect an *historic property*, unless there is documentation that such impacts have been resolved. The following documentation necessary to demonstrate eligibility with this requirement shall be maintained on site in accordance with Part II.D.2 of this permit and made available to the Department in accordance with Part VII.F of this permit:

   a. Documentation that the *construction activity* is not within an archeologically sensitive area indicated on the sensitivity map, and that the *construction activity* is not located on or immediately adjacent to a property listed or determined to be eligible for listing on the National or State Registers of Historic Places, and that there is no new permanent building on the *construction site* within the following distances from a building, structure, or object that is more than 50 years old, or if there is such a new permanent building on the *construction site* within those parameters that NYS Office of Parks, Recreation and Historic Preservation (OPRHP), a Historic Preservation Commission of a Certified Local Government, or a qualified preservation professional has determined that the building, structure, or object more than 50 years old is not historically/archeologically significant.

      - 1-5 acres of disturbance - 20 feet
      - 5-20 acres of disturbance - 50 feet
      - 20+ acres of disturbance - 100 feet, or

   b. DEC consultation form sent to OPRHP, and copied to the NYS DEC Agency Historic Preservation Officer (APO), and
      (i) the State Environmental Quality Review (SEQR) Environmental Assessment Form (EAF) with a negative declaration or the Findings Statement, with documentation of OPRHP's agreement with the resolution; or
      (ii) documentation from OPRHP that the *construction activity* will result in No Impact; or
      (iii) documentation from OPRHP providing a determination of No Adverse Impact; or
      (iv) a Letter of Resolution signed by the owner/operator, OPRHP and the DEC APO which allows for this *construction activity* to be eligible for coverage under the general permit in terms of the State Historic Preservation Act (SHPA); or

   c. Documentation of satisfactory compliance with Section 106 of the National Historic Preservation Act for a coterminous project area:

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

(i) No Affect
(ii) No Adverse Affect
(iii) Executed Memorandum of Agreement, or

d. Documentation that:

(i) SHPA Section 14.09 has been completed by NYS DEC or another state agency.

9. *Discharge*s from *construction activities* that are subject to an existing SPDES individual or general permit where a SPDES permit for *construction activity* has been terminated or denied; or where the *owner or operator* has failed to renew an expired individual permit.

Part II. PERMIT COVERAGE

A. How to Obtain Coverage

1. An *owner or operator* of a *construction activity* that is not subject to the requirements of a regulated, traditional land use control MS4 must first prepare a SWPPP in accordance with all applicable requirements of this permit and then submit a completed Notice of Intent (NOI) to the Department to be authorized to discharge under this permit.

2. An *owner or operator* of a *construction activity* that is subject to the requirements of a *regulated, traditional land use control MS4* must first prepare a SWPPP in accordance with all applicable requirements of this permit and then have the SWPPP reviewed and accepted by the *regulated, traditional land use control MS4* prior to submitting the NOI to the Department. The *owner or operator* shall have the "MS4 SWPPP Acceptance" form signed in accordance with Part VII.H., and then submit that form along with a completed NOI to the Department.

3. The requirement for an *owner or operator* to have its SWPPP reviewed and accepted by the *regulated, traditional land use control MS4* prior to submitting the NOI to the Department does not apply to an *owner or operator* that is obtaining permit coverage in accordance with the requirements in Part II.F. (Change of *Owner or Operator*) or where the *owner or operator* of the *construction activity* is the *regulated, traditional land use control MS4* . This exemption does not apply to *construction activities* subject to the New York City Administrative Code.

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

B. Notice of Intent (NOI) Submittal

1. Prior to December 21, 2020, an owner or operator shall use either the electronic (eNOI) or paper version of the NOI that the Department prepared. Both versions of the NOI are located on the Department's website (http://www.dec.ny.gov/). The paper version of the NOI shall be signed in accordance with Part VII.H. of this permit and submitted to the following address:

   NOTICE OF INTENT
   NYS DEC, Bureau of Water Permits
   625 Broadway, 4th Floor
   Albany, New York 12233-3505

2. Beginning December 21, 2020 and in accordance with EPA's 2015 NPDES Electronic Reporting Rule (40 CFR Part 127), the *owner or operator* must submit the NOI electronically using the *Department's* online NOI.

3. The *owner or operator* shall have the SWPPP preparer sign the "SWPPP Preparer Certification" statement on the NOI prior to submitting the form to the Department.

4. As of the date the NOI is submitted to the Department, the *owner or operator* shall make the NOI and SWPPP available for review and copying in accordance with the requirements in Part VII.F. of this permit.

C. Permit Authorization

1. An *owner or operator* shall not *commence construction activity* until their authorization to *discharge* under this permit goes into effect.

2. Authorization to *discharge* under this permit will be effective when the *owner or operator* has satisfied all of the following criteria:

   a. project review pursuant to the State Environmental Quality Review Act ("SEQRA") have been satisfied, when SEQRA is applicable. See the Department's website (http://www.dec.ny.gov/) for more information,

   b. where required, all necessary Department permits subject to the *Uniform Procedures Act ("UPA")* (see 6 NYCRR Part 621), or the equivalent from another New York State agency, have been obtained, unless otherwise notified by the Department pursuant to 6 NYCRR 621.3(a)(4). *Owners or operators* of *construction activities* that are required to obtain *UPA* permits

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

must submit a preliminary SWPPP to the appropriate DEC Permit Administrator at the Regional Office listed in Appendix F at the time all other necessary *UPA* permit applications are submitted. The preliminary SWPPP must include sufficient information to demonstrate that the *construction activity* qualifies for authorization under this permit,

c. the final SWPPP has been prepared, and

d. a complete NOI has been submitted to the Department in accordance with the requirements of this permit.

3. An *owner or operator* that has satisfied the requirements of Part II.C.2 above will be authorized to *discharge* stormwater from their *construction activity* in accordance with the following schedule:

   a. For *construction activities* that are not subject to the requirements of a *regulated, traditional land use control MS4*:

      (i) Five (5) business days from the date the Department receives a complete electronic version of the NOI (eNOI) for *construction activities* with a SWPPP that has been prepared in conformance with the design criteria in the technical standard referenced in Part III.B.1 and the *performance criteria* in the technical standard referenced in Parts III.B., 2 or 3, for *construction activities* that require post-construction stormwater management practices pursuant to Part III.C.; or

      (ii) Sixty (60) business days from the date the Department receives a complete NOI (electronic or paper version) for *construction activities* with a SWPPP that has not been prepared in conformance with the design criteria in technical standard referenced in Part III.B.1. or, for *construction activities* that require post-construction stormwater management practices pursuant to Part III.C., the *performance criteria* in the technical standard referenced in Parts III.B., 2 or 3, or;

      (iii) Ten (10) business days from the date the Department receives a complete paper version of the NOI for *construction activities* with a SWPPP that has been prepared in conformance with the design criteria in the technical standard referenced in Part III.B.1 and the *performance criteria* in the technical standard referenced in Parts III.B., 2 or 3, for *construction activities* that require post-construction stormwater management practices pursuant to Part III.C.

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

b. For *construction activities* that are subject to the requirements of a *regulated, traditional land use control MS4*:

(i) Five (5) business days from the date the Department receives both a complete electronic version of the NOI (eNOI) and signed "*MS4* SWPPP Acceptance" form, or

(ii) Ten (10) business days from the date the Department receives both a complete paper version of the NOI and signed "MS4 SWPPP Acceptance" form.

4. Coverage under this permit authorizes stormwater *discharges* from only those areas of disturbance that are identified in the NOI. If an *owner or operator* wishes to have stormwater *discharges* from future or additional areas of disturbance authorized, they must submit a new NOI that addresses that phase of the development, unless otherwise notified by the Department. The *owner or operator* shall not *commence construction activity* on the future or additional areas until their authorization to *discharge* under this permit goes into effect in accordance with Part II.C. of this permit.

D. General Requirements For Owners or Operators With Permit Coverage

1. The *owner or operator* shall ensure that the provisions of the SWPPP are implemented from the *commencement of construction activity* until all areas of disturbance have achieved *final stabilization* and the Notice of Termination ("NOT") has been submitted to the Department in accordance with Part V. of this permit. This includes any changes made to the SWPPP pursuant to Part III.A.4. of this permit.

2. The *owner or operator* shall maintain a copy of the General Permit (GP-0-20-001), NOI, *NOI Acknowledgment Letter*, SWPPP, MS4 SWPPP Acceptance form, inspection reports, responsible contractor's or subcontractor's certification statement (see Part III.A.6.), and all documentation necessary to demonstrate eligibility with this permit at the *construction site* until all disturbed areas have achieved *final stabilization* and the NOT has been submitted to the Department. The documents must be maintained in a secure location, such as a job trailer, on-site construction office, or mailbox with lock. The secure location must be accessible during normal business hours to an individual performing a compliance inspection.

3. The *owner or operator* of a *construction activity* shall not disturb greater than five (5) acres of soil at any one time without prior written authorization from the Department or, in areas under the jurisdiction of a *regulated, traditional land*

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

use control MS4, the *regulated, traditional land use control MS4* (provided the *regulated, traditional land use control MS4* is not the *owner or operator* of the *construction activity*). At a minimum, the *owner or operator* must comply with the following requirements in order to be authorized to disturb greater than five (5) acres of soil at any one time:

a. The *owner or operator* shall have a *qualified inspector* conduct **at least** two (2) site inspections in accordance with Part IV.C. of this permit every seven (7) calendar days, for as long as greater than five (5) acres of soil remain disturbed. The two (2) inspections shall be separated by a minimum of two (2) full calendar days.

b. In areas where soil disturbance activity has temporarily or permanently ceased, the application of soil stabilization measures must be initiated by the end of the next business day and completed within seven (7) days from the date the current soil disturbance activity ceased. The soil stabilization measures selected shall be in conformance with the technical standard, New York State Standards and Specifications for Erosion and Sediment Control, dated November 2016.

c. The *owner or operator* shall prepare a phasing plan that defines maximum disturbed area per phase and shows required cuts and fills.

d. The *owner or operator* shall install any additional site-specific practices needed to protect water quality.

e. The *owner or operator* shall include the requirements above in their SWPPP.

4. In accordance with statute, regulations, and the terms and conditions of this permit, the Department may suspend or revoke an *owner's or operator's* coverage under this permit at any time if the Department determines that the SWPPP does not meet the permit requirements or consistent with Part VII.K..

5. Upon a finding of significant non-compliance with the practices described in the SWPPP or violation of this permit, the Department may order an immediate stop to all activity at the site until the non-compliance is remedied. The stop work order shall be in writing, describe the non-compliance in detail, and be sent to the *owner or operator*.

6. For *construction activities* that are subject to the requirements of a *regulated, traditional land use control MS4*, the *owner or operator* shall notify the

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

regulated, traditional land use control MS4 in writing of any planned amendments or modifications to the post-construction stormwater management practice component of the SWPPP required by Part III.A. 4. and 5. of this permit. Unless otherwise notified by the *regulated, traditional land use control MS4*, the *owner or operator* shall have the SWPPP amendments or modifications reviewed and accepted by the *regulated, traditional land use control MS4* prior to commencing construction of the post-construction stormwater management practice.

E. Permit Coverage for Discharges Authorized Under GP-0-15-002

1. Upon renewal of SPDES General Permit for Stormwater Discharges from *Construction Activity* (Permit No. GP-0-15-002), an *owner or operator* of *a construction activity* with coverage under GP-0-15-002, as of the effective date of GP- 0-20-001, shall be authorized to *discharge* in accordance with GP- 0-20-001, unless otherwise notified by the Department.

   An *owner or operator* may continue to implement the technical/design components of the post-construction stormwater management controls provided that such design was done in conformance with the technical standards in place at the time of initial project authorization. However, they must comply with the other, non-design provisions of GP-0-20-001.

F. Change of Owner or Operator

1. When property ownership changes or when there is a change in operational control over the construction plans and specifications, the original *owner or operator* must notify the new *owner or operator*, in writing, of the requirement to obtain permit coverage by submitting a NOI with the Department. For *construction activities* subject to the requirements of a *regulated, traditional land use control MS4,* the original *owner or operator* must also notify the MS4, in writing, of the change in ownership at least 30 calendar days prior to the change in ownership.

2. Once the new *owner or operator* obtains permit coverage, the original *owner or operator* shall then submit a completed NOT with the name and permit identification number of the new *owner or operator* to the Department at the address in Part II.B.1. of this permit. If the original *owner or operator* maintains ownership of a portion of the *construction activity* and will disturb soil, they must maintain their coverage under the permit.

3. Permit coverage for the new *owner or operator* will be effective as of the date the Department receives a complete NOI, provided the original *owner or*

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

operator was not subject to a sixty (60) business day authorization period that has not expired as of the date the Department receives the NOI from the new *owner or operator*.

Part III. STORMWATER POLLUTION PREVENTION PLAN (SWPPP)

A. General SWPPP Requirements

1. A SWPPP shall be prepared and implemented by the *owner or operator* of each *construction activity* covered by this permit. The SWPPP must document the selection, design, installation, implementation and maintenance of the control measures and practices that will be used to meet the effluent limitations in Part I.B. of this permit and where applicable, the post-construction stormwater management practice requirements in Part I.C. of this permit. The SWPPP shall be prepared prior to the submittal of the NOI. The NOI shall be submitted to the Department prior to the *commencement of construction activity*. A copy of the completed, final NOI shall be included in the SWPPP.

2. The SWPPP shall describe the erosion and sediment control practices and where required, post-construction stormwater management practices that will be used and/or constructed to reduce the *pollutants* in stormwater *discharges* and to assure compliance with the terms and conditions of this permit. In addition, the SWPPP shall identify potential sources of pollution which may reasonably be expected to affect the quality of stormwater *discharges*.

3. All SWPPPs that require the post-construction stormwater management practice component shall be prepared by a *qualified professional* that is knowledgeable in the principles and practices of stormwater management and treatment.

4. The *owner or operator* must keep the SWPPP current so that it at all times accurately documents the erosion and sediment controls practices that are being used or will be used during construction, and all post-construction stormwater management practices that will be constructed on the site. At a minimum, the *owner or operator* shall amend the SWPPP, including construction drawings:

   a. whenever the current provisions prove to be ineffective in minimizing *pollutants* in stormwater *discharges* from the site;

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

b. whenever there is a change in design, construction, or operation at the *construction site* that has or could have an effect on the *discharge* of *pollutants*;

c. to address issues or deficiencies identified during an inspection by the *qualified inspector,* the Department or other regulatory authority; and

d. to document the final construction conditions.

5. The Department may notify the *owner or operator* at any time that the SWPPP does not meet one or more of the minimum requirements of this permit. The notification shall be in writing and identify the provisions of the SWPPP that require modification. Within fourteen (14) calendar days of such notification, or as otherwise indicated by the Department, the *owner or operator* shall make the required changes to the SWPPP and submit written notification to the Department that the changes have been made. If the *owner or operator* does not respond to the Department's comments in the specified time frame, the Department may suspend the *owner's or operator's* coverage under this permit or require the *owner or operator* to obtain coverage under an individual SPDES permit in accordance with Part II.D.4. of this permit.

6. Prior to the *commencement of construction activity*, the *owner or operator* must identify the contractor(s) and subcontractor(s) that will be responsible for installing, constructing, repairing, replacing, inspecting and maintaining the erosion and sediment control practices included in the SWPPP; and the contractor(s) and subcontractor(s) that will be responsible for constructing the post-construction stormwater management practices included in the SWPPP. The *owner or operator* shall have each of the contractors and subcontractors identify at least one person from their company that will be responsible for implementation of the SWPPP. This person shall be known as the *trained contractor.* The *owner or operator* shall ensure that at least one *trained contractor* is on site on a daily basis when soil disturbance activities are being performed.

   The *owner or operator* shall have each of the contractors and subcontractors identified above sign a copy of the following certification statement below before they commence any *construction activity*:

   "I hereby certify under penalty of law that I understand and agree to comply with the terms and conditions of the SWPPP and agree to implement any corrective actions identified by the *qualified inspector* during a site inspection. I also understand that the *owner or operator* must comply with

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

the terms and conditions of the most current version of the New York State Pollutant Discharge Elimination System ("SPDES") general permit for stormwater *discharge*s from *construction activities* and that it is unlawful for any person to cause or contribute to a violation of *water quality standards*. Furthermore, I am aware that there are significant penalties for submitting false information, that I do not believe to be true, including the possibility of fine and imprisonment for knowing violations"

In addition to providing the certification statement above, the certification page must also identify the specific elements of the SWPPP that each contractor and subcontractor will be responsible for and include the name and title of the person providing the signature; the name and title of the *trained contractor* responsible for SWPPP implementation; the name, address and telephone number of the contracting firm; the address (or other identifying description) of the site; and the date the certification statement is signed. The *owner or operator* shall attach the certification statement(s) to the copy of the SWPPP that is maintained at the *construction site*. If new or additional contractors are hired to implement measures identified in the SWPPP after construction has commenced, they must also sign the certification statement and provide the information listed above.

7. For projects where the Department requests a copy of the SWPPP or inspection reports, the *owner or operator* shall submit the documents in both electronic (PDF only) and paper format within five (5) business days, unless otherwise notified by the Department.

B. Required SWPPP Contents

1. Erosion and sediment control component - All SWPPPs prepared pursuant to this permit shall include erosion and sediment control practices designed in conformance with the technical standard, New York State Standards and Specifications for Erosion and Sediment Control, dated November 2016. Where erosion and sediment control practices are not designed in conformance with the design criteria included in the technical standard, the *owner or operator* must demonstrate *equivalence* to the technical standard. At a minimum, the erosion and sediment control component of the SWPPP shall include the following:

   a. Background information about the scope of the project, including the location, type and size of project

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

b. A site map/construction drawing(s) for the project, including a general location map. At a minimum, the site map shall show the total site area; all improvements; areas of disturbance; areas that will not be disturbed; existing vegetation; on-site and adjacent off-site surface water(s); floodplain/floodway boundaries; wetlands and drainage patterns that could be affected by the *construction activity*; existing and final contours ; locations of different soil types with boundaries; material, waste, borrow or equipment storage areas located on adjacent properties; and location(s) of the stormwater *discharge*(s);

c. A description of the soil(s) present at the site, including an identification of the Hydrologic Soil Group (HSG);

d. A construction phasing plan and sequence of operations describing the intended order of *construction activities*, including clearing and grubbing, excavation and grading, utility and infrastructure installation and any other activity at the site that results in soil disturbance;

e. A description of the minimum erosion and sediment control practices to be installed or implemented for each *construction activity* that will result in soil disturbance. Include a schedule that identifies the timing of initial placement or implementation of each erosion and sediment control practice and the minimum time frames that each practice should remain in place or be implemented;

f. A temporary and permanent soil stabilization plan that meets the requirements of this general permit and the technical standard, New York State Standards and Specifications for Erosion and Sediment Control, dated November 2016, for each stage of the project, including initial land clearing and grubbing to project completion and achievement of *final stabilization*;

g. A site map/construction drawing(s) showing the specific location(s), size(s), and length(s) of each erosion and sediment control practice;

h. The dimensions, material specifications, installation details, and operation and maintenance requirements for all erosion and sediment control practices. Include the location and sizing of any temporary sediment basins and structural practices that will be used to divert flows from exposed soils;

i. A maintenance inspection schedule for the contractor(s) identified in Part III.A.6. of this permit, to ensure continuous and effective operation of the erosion and sediment control practices. The maintenance inspection

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

schedule shall be in accordance with the requirements in the technical standard, New York State Standards and Specifications for Erosion and Sediment Control, dated November 2016;

j. A description of the pollution prevention measures that will be used to control litter, construction chemicals and construction debris from becoming a *pollutant* source in the stormwater *discharges*;

k. A description and location of any stormwater *discharges* associated with industrial activity other than construction at the site, including, but not limited to, stormwater *discharges* from asphalt plants and concrete plants located on the *construction site*; and

l. Identification of any elements of the design that are not in conformance with the design criteria in the technical standard, New York State Standards and Specifications for Erosion and Sediment Control, dated November 2016. Include the reason for the deviation or alternative design and provide information which demonstrates that the deviation or alternative design is *equivalent* to the technical standard.

2. Post-construction stormwater management practice component – The *owner or operator* of any construction project identified in Table 2 of Appendix B as needing post-construction stormwater management practices shall prepare a SWPPP that includes practices designed in conformance with the applicable *sizing criteria* in Part I.C.2.a., c. or d. of this permit and the *performance criteria* in the technical standard, New York State Stormwater Management Design Manual dated January 2015

   Where post-construction stormwater management practices are not designed in conformance with the *performance criteria* in the technical standard, the *owner or operator* must include in the SWPPP the reason(s) for the deviation or alternative design and provide information which demonstrates that the deviation or alternative design is *equivalent* to the technical standard.

   The post-construction stormwater management practice component of the SWPPP shall include the following:

   a. Identification of all post-construction stormwater management practices to be constructed as part of the project. Include the dimensions, material specifications and installation details for each post-construction stormwater management practice;

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

b. A site map/construction drawing(s) showing the specific location and size of each post-construction stormwater management practice;

c. A Stormwater Modeling and Analysis Report that includes:
   (i) Map(s) showing pre-development conditions, including watershed/subcatchments boundaries, flow paths/routing, and design points;

   (ii) Map(s) showing post-development conditions, including watershed/subcatchments boundaries, flow paths/routing, design points and post-construction stormwater management practices;

   (iii) Results of stormwater modeling (i.e. hydrology and hydraulic analysis) for the required storm events. Include supporting calculations (model runs), methodology, and a summary table that compares pre and post-development runoff rates and volumes for the different storm events;

   (iv) Summary table, with supporting calculations, which demonstrates that each post-construction stormwater management practice has been designed in conformance with the *sizing criteria* included in the Design Manual;

   (v) Identification of any *sizing criteria* that is not required based on the requirements included in Part I.C. of this permit; and

   (vi) Identification of any elements of the design that are not in conformance with the *performance criteria* in the Design Manual. Include the reason(s) for the deviation or alternative design and provide information which demonstrates that the deviation or alternative design is *equivalent* to the Design Manual;

d. Soil testing results and locations (test pits, borings);

e. Infiltration test results, when required; and

f. An operations and maintenance plan that includes inspection and maintenance schedules and actions to ensure continuous and effective operation of each post-construction stormwater management practice. The plan shall identify the entity that will be responsible for the long term operation and maintenance of each practice.

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

3. Enhanced Phosphorus Removal Standards - All construction projects identified in Table 2 of Appendix B that are located in the watersheds identified in Appendix C shall prepare a SWPPP that includes post-construction stormwater management practices designed in conformance with the applicable *sizing criteria* in Part I.C.2. b., c. or d. of this permit and the *performance criteria,* Enhanced Phosphorus Removal Standards included in the Design Manual. At a minimum, the post-construction stormwater management practice component of the SWPPP shall include items 2.a - 2.f. above.

C. Required SWPPP Components by Project Type

Unless otherwise notified by the Department, *owners or operators* of *construction activities* identified in Table 1 of Appendix B are required to prepare a SWPPP that only includes erosion and sediment control practices designed in conformance with Part III.B.1 of this permit. *Owners or operators* of the *construction activities* identified in Table 2 of Appendix B shall prepare a SWPPP that also includes post-construction stormwater management practices designed in conformance with Part III.B.2 or 3 of this permit.

Part IV. INSPECTION AND MAINTENANCE REQUIREMENTS

A. General Construction Site Inspection and Maintenance Requirements

1. The *owner or operator* must ensure that all erosion and sediment control practices (including pollution prevention measures) and all post-construction stormwater management practices identified in the SWPPP are inspected and maintained in accordance with Part IV.B. and C. of this permit.

2. The terms of this permit shall not be construed to prohibit the State of New York from exercising any authority pursuant to the ECL, common law or federal law, or prohibit New York State from taking any measures, whether civil or criminal, to prevent violations of the laws of the State of New York or protect the public health and safety and/or the environment.

B. Contractor Maintenance Inspection Requirements

1. The *owner or operator* of each *construction activity* identified in Tables 1 and 2 of Appendix B shall have a *trained contractor* inspect the erosion and sediment control practices and pollution prevention measures being implemented within the active work area daily to ensure that they are being maintained in effective operating condition at all times. If deficiencies are identified, the contractor shall

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

begin implementing corrective actions within one business day and shall complete the corrective actions in a reasonable time frame.

2. For construction sites where soil disturbance activities have been temporarily suspended (e.g. winter shutdown) and *temporary stabilization* measures have been applied to all disturbed areas, the *trained contractor* can stop conducting the maintenance inspections. The *trained contractor* shall begin conducting the maintenance inspections in accordance with Part IV.B.1. of this permit as soon as soil disturbance activities resume.

3. For construction sites where soil disturbance activities have been shut down with partial project completion, the *trained contractor* can stop conducting the maintenance inspections if all areas disturbed as of the project shutdown date have achieved *final stabilization* and all post-construction stormwater management practices required for the completed portion of the project have been constructed in conformance with the SWPPP and are operational.

C. Qualified Inspector Inspection Requirements

The *owner or operator* shall have a *qualified inspector* conduct site inspections in conformance with the following requirements:

[Note: The *trained contractor* identified in Part III.A.6. and IV.B. of this permit **cannot** conduct the *qualified inspector* site inspections unless they meet the *qualified inspector* qualifications included in Appendix A. In order to perform these inspections, the *trained contractor* would have to be a:

- licensed Professional Engineer,
- Certified Professional in Erosion and Sediment Control (CPESC),
- New York State Erosion and Sediment Control Certificate Program holder
- Registered Landscape Architect, or
- someone working under the direct supervision of, and at the same company as, the licensed Professional Engineer or Registered Landscape Architect, provided they have received four (4) hours of Department endorsed training in proper erosion and sediment control principles from a Soil and Water Conservation District, or other Department endorsed entity].

1. A *qualified inspector* shall conduct site inspections for all *construction activities* identified in Tables 1 and 2 of Appendix B, with the exception of:

   a. the construction of a single family residential subdivision with 25% or less *impervious cover* at total site build-out that involves a soil disturbance of one (1) or more acres of land but less than five (5) acres and is not located

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

in one of the watersheds listed in Appendix C and not directly discharging to one of the 303(d) segments listed in Appendix E;

b. the construction of a single family home that involves a soil disturbance of one (1) or more acres of land but less than five (5) acres and is not located in one of the watersheds listed in Appendix C and not directly discharging to one of the 303(d) segments listed in Appendix E;

c. construction on agricultural property that involves a soil disturbance of one (1) or more acres of land but less than five (5) acres; and

d. *construction activities* located in the watersheds identified in Appendix D that involve soil disturbances between five thousand (5,000) square feet and one (1) acre of land.

2. Unless otherwise notified by the Department, the *qualified inspector* shall conduct site inspections in accordance with the following timetable:

a. For construction sites where soil disturbance activities are on-going, the *qualified inspector* shall conduct a site inspection at least once every seven (7) calendar days.

b. For construction sites where soil disturbance activities are on-going and the *owner or operator* has received authorization in accordance with Part II.D.3 to disturb greater than five (5) acres of soil at any one time, the *qualified inspector* shall conduct at least two (2) site inspections every seven (7) calendar days. The two (2) inspections shall be separated by a minimum of two (2) full calendar days.

c. For construction sites where soil disturbance activities have been temporarily suspended (e.g. winter shutdown) and *temporary stabilization* measures have been applied to all disturbed areas, the *qualified inspector* shall conduct a site inspection at least once every thirty (30) calendar days. The *owner or operator* shall notify the DOW Water (SPDES) Program contact at the Regional Office (see contact information in Appendix F) or, in areas under the jurisdiction of a *regulated, traditional land use control MS4,* the *regulated, traditional land use control MS4* (provided the *regulated, traditional land use control MS4* is not the *owner or operator* of the *construction activity*) in writing prior to reducing the frequency of inspections.

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

d. For construction sites where soil disturbance activities have been shut down with partial project completion, the *qualified inspector* can stop conducting inspections if all areas disturbed as of the project shutdown date have achieved *final stabilization* and all post-construction stormwater management practices required for the completed portion of the project have been constructed in conformance with the SWPPP and are operational. The *owner or operator* shall notify the DOW Water (SPDES) Program contact at the Regional Office (see contact information in Appendix F) or, in areas under the jurisdiction of a *regulated, traditional land use control MS4,* the *regulated, traditional land use control MS4* (provided the *regulated, traditional land use control MS4* is not the *owner or operator* of the *construction activity*) in writing prior to the shutdown. If soil disturbance activities are not resumed within 2 years from the date of shutdown, the *owner or operator* shall have the *qualified inspector* perform a final inspection and certify that all disturbed areas have achieved *final stabilization,* and all temporary, structural erosion and sediment control measures have been removed*;* and that all post-construction stormwater management practices have been constructed in conformance with the SWPPP by signing the "*Final Stabilization*" and "Post-Construction Stormwater Management Practice" certification statements on the NOT. The *owner or operator* shall then submit the completed NOT form to the address in Part II.B.1 of this permit.

e. For construction sites that directly *discharge* to one of the 303(d) segments listed in Appendix E or is located in one of the watersheds listed in Appendix C, the *qualified inspector* shall conduct at least two (2) site inspections every seven (7) calendar days. The two (2) inspections shall be separated by a minimum of two (2) full calendar days.

3. At a minimum, the *qualified inspector* shall inspect all erosion and sediment control practices and pollution prevention measures to ensure integrity and effectiveness, all post-construction stormwater management practices under construction to ensure that they are constructed in conformance with the SWPPP, all areas of disturbance that have not achieved *final stabilization,* all points of *discharge* to natural surface waterbodies located within, or immediately adjacent to, the property boundaries of the *construction site*, and all points of *discharge* from the *construction site*.

4. The *qualified inspector* shall prepare an inspection report subsequent to each and every inspection. At a minimum, the inspection report shall include and/or address the following:

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

(Part IV.C.4.a)

a. Date and time of inspection;

b. Name and title of person(s) performing inspection;

c. A description of the weather and soil conditions (e.g. dry, wet, saturated) at the time of the inspection;

d. A description of the condition of the runoff at all points of *discharge* from the *construction site*. This shall include identification of any *discharges* of sediment from the *construction site*. Include *discharges* from conveyance systems (i.e. pipes, culverts, ditches, etc.) and overland flow;

e. A description of the condition of all natural surface waterbodies located within, or immediately adjacent to, the property boundaries of the *construction site* which receive runoff from disturbed areas. This shall include identification of any *discharges* of sediment to the surface waterbody;

f. Identification of all erosion and sediment control practices and pollution prevention measures that need repair or maintenance;

g. Identification of all erosion and sediment control practices and pollution prevention measures that were not installed properly or are not functioning as designed and need to be reinstalled or replaced;

h. Description and sketch of areas with active soil disturbance activity, areas that have been disturbed but are inactive at the time of the inspection, and areas that have been stabilized (temporary and/or final) since the last inspection;

i. Current phase of construction of all post-construction stormwater management practices and identification of all construction that is not in conformance with the SWPPP and technical standards;

j. Corrective action(s) that must be taken to install, repair, replace or maintain erosion and sediment control practices and pollution prevention measures; and to correct deficiencies identified with the construction of the post-construction stormwater management practice(s);

k. Identification and status of all corrective actions that were required by previous inspection; and

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

l. Digital photographs, with date stamp, that clearly show the condition of all practices that have been identified as needing corrective actions. The *qualified inspector* shall attach paper color copies of the digital photographs to the inspection report being maintained onsite within seven (7) calendar days of the date of the inspection. The *qualified inspector* shall also take digital photographs, with date stamp, that clearly show the condition of the practice(s) after the corrective action has been completed. The *qualified inspector* shall attach paper color copies of the digital photographs to the inspection report that documents the completion of the corrective action work within seven (7) calendar days of that inspection.

5. Within one business day of the completion of an inspection, the *qualified inspector* shall notify the *owner or operator* and appropriate contractor or subcontractor identified in Part III.A.6. of this permit of any corrective actions that need to be taken. The contractor or subcontractor shall begin implementing the corrective actions within one business day of this notification and shall complete the corrective actions in a reasonable time frame.

6. All inspection reports shall be signed by the *qualified inspector.* Pursuant to Part II.D.2. of this permit, the inspection reports shall be maintained on site with the SWPPP.

Part V. TERMINATION OF PERMIT COVERAGE

A. Termination of Permit Coverage

1. An *owner or operator* that is eligible to terminate coverage under this permit must submit a completed NOT form to the address in Part II.B.1 of this permit. The NOT form shall be one which is associated with this permit, signed in accordance with Part VII.H of this permit.

2. An *owner or operator* may terminate coverage when one or more the following conditions have been met:

   a. Total project completion - All *construction activity* identified in the SWPPP has been completed; and all areas of disturbance have achieved *final stabilization*; and all temporary, structural erosion and sediment control measures have been removed; and all post-construction stormwater management practices have been constructed in conformance with the SWPPP and are operational;

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

b. Planned shutdown with partial project completion - All soil disturbance activities have ceased; and all areas disturbed as of the project shutdown date have achieved *final stabilization*; and all temporary, structural erosion and sediment control measures have been removed; and all post-construction stormwater management practices required for the completed portion of the project have been constructed in conformance with the SWPPP and are operational;

c. A new *owner or operator* has obtained coverage under this permit in accordance with Part II.F. of this permit.

d. The *owner or operator* obtains coverage under an alternative SPDES general permit or an individual SPDES permit.

3. For *construction activities* meeting subdivision 2a. or 2b. of this Part, the *owner or operator* shall have the *qualified inspector* perform a final site inspection prior to submitting the NOT. The *qualified inspector* shall, by signing the "*Final Stabilization*" and "Post-Construction Stormwater Management Practice certification statements on the NOT, certify that all the requirements in Part V.A.2.a. or b. of this permit have been achieved.

4. For *construction activities* that are subject to the requirements of a *regulated, traditional land use control MS4* and meet subdivision 2a. or 2b. of this Part, the *owner or operator* shall have the *regulated, traditional land use control MS4* sign the "MS4 Acceptance" statement on the NOT in accordance with the requirements in Part VII.H. of this permit. The *regulated, traditional land use control MS4* official, by signing this statement, has determined that it is acceptable for the *owner or operator* to submit the NOT in accordance with the requirements of this Part. The *regulated, traditional land use control MS4* can make this determination by performing a final site inspection themselves or by accepting the *qualified inspector*'s final site inspection certification(s) required in Part V.A.3. of this permit.

5. For *construction activities* that require post-construction stormwater management practices and meet subdivision 2a. of this Part, the *owner or operator* must, prior to submitting the NOT, ensure one of the following:

a. the post-construction stormwater management practice(s) and any right-of-way(s) needed to maintain such practice(s) have been deeded to the municipality in which the practice(s) is located,

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

b. an executed maintenance agreement is in place with the municipality that will maintain the post-construction stormwater management practice(s),

c. for post-construction stormwater management practices that are privately owned, the *owner or operator* has a mechanism in place that requires operation and maintenance of the practice(s) in accordance with the operation and maintenance plan, such as a deed covenant in the *owner or operator's* deed of record,

d. for post-construction stormwater management practices that are owned by a public or private institution (e.g. school, university, hospital), government agency or authority, or public utility; the *owner or operator* has policy and procedures in place that ensures operation and maintenance of the practices in accordance with the operation and maintenance plan.

Part VI. REPORTING AND RETENTION RECORDS

A. Record Retention

The *owner or operator* shall retain a copy of the NOI, NOI Acknowledgment Letter, SWPPP, MS4 SWPPP Acceptance form and any inspection reports that were prepared in conjunction with this permit for a period of at least five (5) years from the date that the Department receives a complete NOT submitted in accordance with Part V. of this general permit.

B. Addresses

With the exception of the NOI, NOT, and MS4 SWPPP Acceptance form (which must be submitted to the address referenced in Part II.B.1 of this permit), all written correspondence requested by the Department, including individual permit applications, shall be sent to the address of the appropriate DOW Water (SPDES) Program contact at the Regional Office listed in Appendix F.

Part VII. STANDARD PERMIT CONDITIONS

A. Duty to Comply

The *owner or operator* must comply with all conditions of this permit. All contractors and subcontractors associated with the project must comply with the terms of the SWPPP. Any non-compliance with this permit constitutes a violation of the Clean Water

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

Act (CWA) and the ECL and is grounds for an enforcement action against the *owner or operator* and/or the contractor/subcontractor; permit revocation, suspension or modification; or denial of a permit renewal application. Upon a finding of significant non-compliance with this permit or the applicable SWPPP, the Department may order an immediate stop to all *construction activity* at the site until the non-compliance is remedied. The stop work order shall be in writing, shall describe the non-compliance in detail, and shall be sent to the *owner or operator*.

If any human remains or archaeological remains are encountered during excavation, the *owner or operator* must immediately cease, or cause to cease, all *construction activity* in the area of the remains and notify the appropriate Regional Water Engineer (RWE). *Construction activity* shall not resume until written permission to do so has been received from the RWE.

B. Continuation of the Expired General Permit

This permit expires five (5) years from the effective date. If a new general permit is not issued prior to the expiration of this general permit, an *owner or operator* with coverage under this permit may continue to operate and *discharge* in accordance with the terms and conditions of this general permit, if it is extended pursuant to the State Administrative Procedure Act and 6 NYCRR Part 621, until a new general permit is issued.

C. Enforcement

Failure of the *owner or operator,* its contractors, subcontractors, agents and/or assigns to strictly adhere to any of the permit requirements contained herein shall constitute a violation of this permit. There are substantial criminal, civil, and administrative penalties associated with violating the provisions of this permit. Fines of up to $37,500 per day for each violation and imprisonment for up to fifteen (15) years may be assessed depending upon the nature and degree of the offense.

D. Need to Halt or Reduce Activity Not a Defense

It shall not be a defense for an *owner or operator* in an enforcement action that it would have been necessary to halt or reduce the *construction activity* in order to maintain compliance with the conditions of this permit.

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

E. Duty to Mitigate

The *owner or operator* and its contractors and subcontractors shall take all reasonable steps to *minimize* or prevent any *discharge* in violation of this permit which has a reasonable likelihood of adversely affecting human health or the environment.

F. Duty to Provide Information

The *owner or operator* shall furnish to the Department, within a reasonable specified time period of a written request, all documentation necessary to demonstrate eligibility and any information to determine compliance with this permit or to determine whether cause exists for modifying or revoking this permit, or suspending or denying coverage under this permit, in accordance with the terms and conditions of this permit. The NOI, SWPPP and inspection reports required by this permit are public documents that the *owner or operator* must make available for review and copying by any person within five (5) business days of the *owner or operator* receiving a written request by any such person to review these documents. Copying of documents will be done at the requester's expense.

G. Other Information

When the *owner or operator* becomes aware that they failed to submit any relevant facts, or submitted incorrect information in the NOI or in any of the documents required by this permit , or have made substantive revisions to the SWPPP (e.g. the scope of the project changes significantly, the type of post-construction stormwater management practice(s) changes, there is a reduction in the sizing of the post-construction stormwater management practice, or there is an increase in the disturbance area or *impervious area*), which were not reflected in the original NOI submitted to the Department, they shall promptly submit such facts or information to the Department using the contact information in Part II.A. of this permit. Failure of the *owner or operator* to correct or supplement any relevant facts within five (5) business days of becoming aware of the deficiency shall constitute a violation of this permit.

H. Signatory Requirements

1. All NOIs and NOTs shall be signed as follows:

    a. For a corporation these forms shall be signed by a responsible corporate officer. For the purpose of this section, a responsible corporate officer means:

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

(i) a president, secretary, treasurer, or vice-president of the corporation in charge of a principal business function, or any other person who performs similar policy or decision-making functions for the corporation; or

(ii) the manager of one or more manufacturing, production or operating facilities, provided the manager is authorized to make management decisions which govern the operation of the regulated facility including having the explicit or implicit duty of making major capital investment recommendations, and initiating and directing other comprehensive measures to assure long term environmental compliance with environmental laws and regulations; the manager can ensure that the necessary systems are established or actions taken to gather complete and accurate information for permit application requirements; and where authority to sign documents has been assigned or delegated to the manager in accordance with corporate procedures;

b. For a partnership or sole proprietorship these forms shall be signed by a general partner or the proprietor, respectively; or

c. For a municipality, State, Federal, or other public agency these forms shall be signed by either a principal executive officer or ranking elected official. For purposes of this section, a principal executive officer of a Federal agency includes:

(i) the chief executive officer of the agency, or

(ii) a senior executive officer having responsibility for the overall operations of a principal geographic unit of the agency (e.g., Regional Administrators of EPA).

2. The SWPPP and other information requested by the Department shall be signed by a person described in Part VII.H.1. of this permit or by a duly authorized representative of that person. A person is a duly authorized representative only if:

a. The authorization is made in writing by a person described in Part VII.H.1. of this permit;

b. The authorization specifies either an individual or a position having responsibility for the overall operation of the regulated facility or activity, such as the position of plant manager, operator of a well or a well field,

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

superintendent, position of *equivalent* responsibility, or an individual or position having overall responsibility for environmental matters for the company. (A duly authorized representative may thus be either a named individual or any individual occupying a named position) and,

c. The written authorization shall include the name, title and signature of the authorized representative and be attached to the SWPPP.

3. All inspection reports shall be signed by the *qualified inspector* that performs the inspection.

4. The MS4 SWPPP Acceptance form shall be signed by the principal executive officer or ranking elected official from the *regulated, traditional land use control MS4,* or by a duly authorized representative of that person.

   It shall constitute a permit violation if an incorrect and/or improper signatory authorizes any required forms, SWPPP and/or inspection reports.

I. Property Rights

The issuance of this permit does not convey any property rights of any sort, nor any exclusive privileges, nor does it authorize any injury to private property nor any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations. *Owners or operators* must obtain any applicable conveyances, easements, licenses and/or access to real property prior to *commencing construction activity*.

J. Severability

The provisions of this permit are severable, and if any provision of this permit, or the application of any provision of this permit to any circumstance, is held invalid, the application of such provision to other circumstances, and the remainder of this permit shall not be affected thereby.

K. Requirement to Obtain Coverage Under an Alternative Permit

1. The Department may require any owner or operator authorized by this permit to apply for and/or obtain either an individual SPDES permit or another SPDES general permit. When the Department requires any discharger authorized by a general permit to apply for an individual SPDES permit, it shall notify the discharger in writing that a permit application is required. This notice shall

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

include a brief statement of the reasons for this decision, an application form, a statement setting a time frame for the owner or operator to file the application for an individual SPDES permit, and a deadline, not sooner than 180 days from owner or operator receipt of the notification letter, whereby the authorization to discharge under this general permit shall be terminated. Applications must be submitted to the appropriate Permit Administrator at the Regional Office. The Department may grant additional time upon demonstration, to the satisfaction of the Department, that additional time to apply for an alternative authorization is necessary or where the Department has not provided a permit determination in accordance with Part 621 of this Title.

2. When an individual SPDES permit is issued to a discharger authorized to *discharge* under a general SPDES permit for the same *discharge*(s), the general permit authorization for outfalls authorized under the individual SPDES permit is automatically terminated on the effective date of the individual permit unless termination is earlier in accordance with 6 NYCRR Part 750.

L. Proper Operation and Maintenance

The *owner or operator* shall at all times properly operate and maintain all facilities and systems of treatment and control (and related appurtenances) which are installed or used by the *owner or operator* to achieve compliance with the conditions of this permit and with the requirements of the SWPPP.

M. Inspection and Entry

The *owner or operator* shall allow an authorized representative of the Department, EPA, applicable county health department, or, in the case of a *construction site* which *discharges* through an *MS4*, an authorized representative of the *MS4* receiving the discharge, upon the presentation of credentials and other documents as may be required by law, to:

1. Enter upon the owner’s or operator's premises where a regulated facility or activity is located or conducted or where records must be kept under the conditions of this permit;

2. Have access to and copy at reasonable times, any records that must be kept under the conditions of this permit; and

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

3. Inspect at reasonable times any facilities or equipment (including monitoring and control equipment), practices or operations regulated or required by this permit.

4. Sample or monitor at reasonable times, for purposes of assuring permit compliance or as otherwise authorized by the Act or ECL, any substances or parameters at any location.

N. Permit Actions

This permit may, at any time, be modified, suspended, revoked, or renewed by the Department in accordance with 6 NYCRR Part 621. The filing of a request by the *owner or operator* for a permit modification, revocation and reissuance, termination, a notification of planned changes or anticipated noncompliance does not limit, diminish and/or stay compliance with any terms of this permit.

O. Definitions

Definitions of key terms are included in Appendix A of this permit.

P. Re-Opener Clause

1. If there is evidence indicating potential or realized impacts on water quality due to any stormwater discharge associated with construction activity covered by this permit, the owner or operator of such discharge may be required to obtain an individual permit or alternative general permit in accordance with Part VII.K. of this permit or the permit may be modified to include different limitations and/or requirements.

2. Any Department initiated permit modification, suspension or revocation will be conducted in accordance with 6 NYCRR Part 621, 6 NYCRR 750-1.18, and 6 NYCRR 750-1.20.

Q. Penalties for Falsification of Forms and Reports

In accordance with 6NYCRR Part 750-2.4 and 750-2.5, any person who knowingly makes any false material statement, representation, or certification in any application, record, report or other document filed or required to be maintained under this permit, including reports of compliance or noncompliance shall, upon conviction, be punished in accordance with ECL §71-1933 and or Articles 175 and 210 of the New York State Penal Law.

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

(Part VII.R)

R. Other Permits

Nothing in this permit relieves the *owner or operator* from a requirement to obtain any other permits required by law.

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

APPENDIX A – Acronyms and Definitions

Acronyms

APO – Agency Preservation Officer
BMP – Best Management Practice
CPESC – Certified Professional in Erosion and Sediment Control
Cpv – Channel Protection Volume
CWA – Clean Water Act (or the Federal Water Pollution Control Act, 33 U.S.C. §1251 et seq)
DOW – Division of Water
EAF – Environmental Assessment Form
ECL - Environmental Conservation Law
EPA – U. S. Environmental Protection Agency
HSG – Hydrologic Soil Group
MS4 – Municipal Separate Storm Sewer System
NOI – Notice of Intent
NOT – Notice of Termination
NPDES – National Pollutant Discharge Elimination System
OPRHP – Office of Parks, Recreation and Historic Places
Qf – Extreme Flood
Qp – Overbank Flood
RRv – Runoff Reduction Volume
RWE – Regional Water Engineer
SEQR – State Environmental Quality Review
SEQRA - State Environmental Quality Review Act
SHPA – State Historic Preservation Act
SPDES – State Pollutant Discharge Elimination System
SWPPP – Stormwater Pollution Prevention Plan
TMDL – Total Maximum Daily Load
UPA – Uniform Procedures Act
USDA – United States Department of Agriculture
WQv – Water Quality Volume

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

Definitions

All definitions in this section are solely for the purposes of this permit.

Agricultural Building – a structure designed and constructed to house farm implements, hay, grain, poultry, livestock or other horticultural products; excluding any structure designed, constructed or used, in whole or in part, for human habitation, as a place of employment where agricultural products are processed, treated or packaged, or as a place used by the public.

Agricultural Property –means the land for construction of a barn, *agricultural building*, silo, stockyard, pen or other structural practices identified in Table II in the "Agricultural Management Practices Catalog for Nonpoint Source Pollution in New York State" prepared by the Department in cooperation with agencies of New York Nonpoint Source Coordinating Committee (dated June 2007).

Alter Hydrology from Pre to Post-Development Conditions - means the post-development peak flow rate(s) has increased by more than 5% of the pre-developed condition for the design storm of interest (e.g. 10 yr and 100 yr).

Combined Sewer - means a sewer that is designed to collect and convey both "sewage" and "stormwater".

Commence (Commencement of) Construction Activities - means the initial disturbance of soils associated with clearing, grading or excavation activities; or other construction related activities that disturb or expose soils such as demolition, stockpiling of fill material, and the initial installation of erosion and sediment control practices required in the SWPPP. See definition for "*Construction Activity(ies)*" also.

Construction Activity(ies) - means any clearing, grading, excavation, filling, demolition or stockpiling activities that result in soil disturbance. Clearing activities can include, but are not limited to, logging equipment operation, the cutting and skidding of trees, stump removal and/or brush root removal. Construction activity does not include routine maintenance that is performed to maintain the original line and grade, hydraulic capacity, or original purpose of a facility.

Construction Site – means the land area where *construction activity(ies)* will occur. See definition for "*Commence (Commencement of) Construction Activities"* and "*Larger Common Plan of Development or Sale" also.*

Dewatering – means the act of draining rainwater and/or groundwater from building foundations, vaults or excavations/trenches.

Direct Discharge (to a specific surface waterbody) - means that runoff flows from a *construction site* by overland flow and the first point of discharge is the specific surface waterbody, or runoff flows from a *construction site* to a separate storm sewer system

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

and the first point of discharge from the separate storm sewer system is the specific surface waterbody.

Discharge(s) - means any addition of any pollutant to waters of the State through an outlet or *point source*.

Embankment –means an earthen or rock slope that supports a road/highway.

Endangered or Threatened Species – see 6 NYCRR Part 182 of the Department's rules and regulations for definition of terms and requirements.

Environmental Conservation Law (ECL) - means chapter 43-B of the Consolidated Laws of the State of New York, entitled the Environmental Conservation Law.

Equivalent (Equivalence) – means that the practice or measure meets all the performance, longevity, maintenance, and safety objectives of the technical standard and will provide an equal or greater degree of water quality protection.

Final Stabilization - means that all soil disturbance activities have ceased and a uniform, perennial vegetative cover with a density of eighty (80) percent over the entire pervious surface has been established; or other equivalent stabilization measures, such as permanent landscape mulches, rock rip-rap or washed/crushed stone have been applied on all disturbed areas that are not covered by permanent structures, concrete or pavement.

General SPDES permit - means a SPDES permit issued pursuant to 6 NYCRR Part 750-1.21 and Section 70-0117 of the ECL authorizing a category of discharges.

Groundwater(s) - means waters in the saturated zone. The saturated zone is a subsurface zone in which all the interstices are filled with water under pressure greater than that of the atmosphere. Although the zone may contain gas-filled interstices or interstices filled with fluids other than water, it is still considered saturated.

Historic Property – means any building, structure, site, object or district that is listed on the State or National Registers of Historic Places or is determined to be eligible for listing on the State or National Registers of Historic Places.

Impervious Area (Cover) - means all impermeable surfaces that cannot effectively infiltrate rainfall. This includes paved, concrete and gravel surfaces (i.e. parking lots, driveways, roads, runways and sidewalks); building rooftops and miscellaneous impermeable structures such as patios, pools, and sheds.

Infeasible – means not technologically possible, or not economically practicable and achievable in light of best industry practices.

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

Larger Common Plan of Development or Sale - means a contiguous area where multiple separate and distinct *construction activities* are occurring, or will occur, under one plan. The term "plan" in "larger common plan of development or sale" is broadly defined as any announcement or piece of documentation (including a sign, public notice or hearing, marketing plan, advertisement, drawing, permit application, State Environmental Quality Review Act (SEQRA) environmental assessment form or other documents, zoning request, computer design, etc.) or physical demarcation (including boundary signs, lot stakes, surveyor markings, etc.) indicating that *construction activities* may occur on a specific plot.

For discrete construction projects that are located within a larger common plan of development or sale that are at least 1/4 mile apart, each project can be treated as a separate plan of development or sale provided any interconnecting road, pipeline or utility project that is part of the same "common plan" is not concurrently being disturbed.

Minimize – means reduce and/or eliminate to the extent achievable using control measures (including best management practices) that are technologically available and economically practicable and achievable in light of best industry practices.

Municipal Separate Storm Sewer (MS4) - a conveyance or system of conveyances (including roads with drainage systems, municipal streets, catch basins, curbs, gutters, ditches, man-made channels, or storm drains):

(i) Owned or operated by a State, city, town, borough, county, parish, district, association, or other public body (created by or pursuant to State law) having jurisdiction over disposal of sewage, industrial wastes, stormwater, or other wastes, including special districts under State law such as a sewer district, flood control district or drainage district, or similar entity, or an Indian tribe or an authorized Indian tribal organization, or a designated and approved management agency under section 208 of the CWA that discharges to surface waters of the State*;*
(ii) Designed or used for collecting or conveying stormwater;
(iii) Which is not a *combined sewer*; and
(iv) Which is not part of a Publicly Owned Treatment Works (POTW) as defined at 40 CFR 122.2.

National Pollutant Discharge Elimination System (NPDES) - means the national system for the issuance of wastewater and stormwater permits under the Federal Water Pollution Control Act (Clean Water Act).

Natural Buffer –means an undisturbed area with natural cover running along a surface water (e.g. wetland, stream, river, lake, etc.).

New Development – means any land disturbance that does not meet the definition of Redevelopment Activity included in this appendix.

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

New York State Erosion and Sediment Control Certificate Program – a certificate program that establishes and maintains a process to identify and recognize individuals who are capable of developing, designing, inspecting and maintaining erosion and sediment control plans on projects that disturb soils in New York State. The certificate program is administered by the New York State Conservation District Employees Association.

NOI Acknowledgment Letter - means the letter that the Department sends to an owner or operator to acknowledge the Department's receipt and acceptance of a complete Notice of Intent. This letter documents the owner's or operator's authorization to discharge in accordance with the general permit for stormwater discharges from *construction activity*.

Nonpoint Source - means any source of water pollution or pollutants which is not a discrete conveyance or *point source* permitted pursuant to Title 7 or 8 of Article 17 of the Environmental Conservation Law (see ECL Section 17-1403).

Overbank –means flow events that exceed the capacity of the stream channel and spill out into the adjacent floodplain.

Owner or Operator - means the person, persons or legal entity which owns or leases the property on which the *construction activity* is occurring; an entity that has operational control over the construction plans and specifications, including the ability to make modifications to the plans and specifications; and/or an entity that has day-to-day operational control of those activities at a project that are necessary to ensure compliance with the permit conditions.

Performance Criteria – means the design criteria listed under the "Required Elements" sections in Chapters 5, 6 and 10 of the technical standard, New York State Stormwater Management Design Manual, dated January 2015. It does not include the Sizing Criteria (i.e. WQv, RRv, Cpv, Qp and Qf) in Part I.C.2. of the permit.

Point Source - means any discernible, confined and discrete conveyance, including but not limited to any pipe, ditch, channel, tunnel, conduit, well, discrete fissure, container, rolling stock, concentrated animal feeding operation, vessel or other floating craft, or landfill leachate collection system from which *pollutants* are or may be discharged.

Pollutant - means dredged spoil, filter backwash, solid waste, incinerator residue, sewage, garbage, sewage sludge, munitions, chemical wastes, biological materials, radioactive materials, heat, wrecked or discarded equipment, rock, sand and industrial, municipal, agricultural waste and ballast discharged into water; which may cause or might reasonably be expected to cause pollution of the waters of the state in contravention of the standards or guidance values adopted as provided in 6 NYCRR Parts 700 et seq .

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

Qualified Inspector - means a person that is knowledgeable in the principles and practices of erosion and sediment control, such as a licensed Professional Engineer, Certified Professional in Erosion and Sediment Control (CPESC), Registered Landscape Architect, New York State Erosion and Sediment Control Certificate Program holder or other Department endorsed individual(s).

It can also mean someone working under the direct supervision of, and at the same company as, the licensed Professional Engineer or Registered Landscape Architect, provided that person has training in the principles and practices of erosion and sediment control. Training in the principles and practices of erosion and sediment control means that the individual working under the direct supervision of the licensed Professional Engineer or Registered Landscape Architect has received four (4) hours of Department endorsed training in proper erosion and sediment control principles from a Soil and Water Conservation District, or other Department endorsed entity. After receiving the initial training, the individual working under the direct supervision of the licensed Professional Engineer or Registered Landscape Architect shall receive four (4) hours of training every three (3) years.

It can also mean a person that meets the *Qualified Professional* qualifications in addition to the *Qualified Inspector* qualifications.

Note: Inspections of any post-construction stormwater management practices that include structural components, such as a dam for an impoundment, shall be performed by a licensed Professional Engineer.

Qualified Professional - means a person that is knowledgeable in the principles and practices of stormwater management and treatment, such as a licensed Professional Engineer, Registered Landscape Architect or other Department endorsed individual(s). Individuals preparing SWPPPs that require the post-construction stormwater management practice component must have an understanding of the principles of hydrology, water quality management practice design, water quantity control design, and, in many cases, the principles of hydraulics. All components of the SWPPP that involve the practice of engineering, as defined by the NYS Education Law (see Article 145), shall be prepared by, or under the direct supervision of, a professional engineer licensed to practice in the State of New York.

Redevelopment Activity(ies) – means the disturbance and reconstruction of existing impervious area, including impervious areas that were removed from a project site within five (5) years of preliminary project plan submission to the local government (i.e. site plan, subdivision, etc.).

Regulated, Traditional Land Use Control MS4 - means a city, town or village with land use control authority that is authorized to discharge under New York State DEC's

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

SPDES General Permit For Stormwater Discharges from Municipal Separate Stormwater Sewer Systems (MS4s) or the City of New York's Individual SPDES Permit for their Municipal Separate Storm Sewer Systems (NY-0287890).

Routine Maintenance Activity - means *construction activity* that is performed to maintain the original line and grade, hydraulic capacity, or original purpose of a facility, including, but not limited to:

- Re-grading of gravel roads or parking lots,
- Cleaning and shaping of existing roadside ditches and culverts that maintains the approximate original line and grade, and hydraulic capacity of the ditch,
- Cleaning and shaping of existing roadside ditches that does not maintain the approximate original grade, hydraulic capacity and purpose of the ditch if the changes to the line and grade, hydraulic capacity or purpose of the ditch are installed to improve water quality and quantity controls (e.g. installing grass lined ditch),
- Placement of aggregate shoulder backing that stabilizes the transition between the road shoulder and the ditch or *embankment*,
- Full depth milling and filling of existing asphalt pavements, replacement of concrete pavement slabs, and similar work that does not expose soil or disturb the bottom six (6) inches of subbase material,
- Long-term use of equipment storage areas at or near highway maintenance facilities,
- Removal of sediment from the edge of the highway to restore a previously existing sheet-flow drainage connection from the highway surface to the highway ditch or *embankment*,
- Existing use of Canal Corp owned upland disposal sites for the canal, and
- Replacement of curbs, gutters, sidewalks and guide rail posts.

Site limitations – means site conditions that prevent the use of an infiltration technique and or infiltration of the total WQv. Typical site limitations include: seasonal high groundwater, shallow depth to bedrock, and soils with an infiltration rate less than 0.5 inches/hour. The existence of site limitations shall be confirmed and documented using actual field testing (i.e. test pits, soil borings, and infiltration test) or using information from the most current United States Department of Agriculture (USDA) Soil Survey for the County where the project is located.

Sizing Criteria – means the criteria included in Part I.C.2 of the permit that are used to size post-construction stormwater management control practices. The criteria include; Water Quality Volume (WQv), Runoff Reduction Volume (RRv), Channel Protection Volume (Cpv), *Overbank* Flood (Qp), and Extreme Flood (Qf).

State Pollutant Discharge Elimination System (SPDES) - means the system established pursuant to Article 17 of the ECL and 6 NYCRR Part 750 for issuance of permits authorizing discharges to the waters of the state.

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

Steep Slope – means land area designated on the current United States Department of Agriculture ("USDA") Soil Survey as Soil Slope Phase "D", (provided the map unit name is inclusive of slopes greater than 25%) , or Soil Slope Phase E or F, (regardless of the map unit name), or a combination of the three designations.

Streambank – as used in this permit, means the terrain alongside the bed of a creek or stream. The bank consists of the sides of the channel, between which the flow is confined.

Stormwater Pollution Prevention Plan (SWPPP) – means a project specific report, including construction drawings, that among other things: describes the construction activity(ies), identifies the potential sources of pollution at the *construction site*; describes and shows the stormwater controls that will be used to control the pollutants (i.e. erosion and sediment controls; for many projects, includes post-construction stormwater management controls); and identifies procedures the *owner or operator* will implement to comply with the terms and conditions of the permit. See Part III of the permit for a complete description of the information that must be included in the SWPPP.

Surface Waters of the State - shall be construed to include lakes, bays, sounds, ponds, impounding reservoirs, springs, rivers, streams, creeks, estuaries, marshes, inlets, canals, the Atlantic ocean within the territorial seas of the state of New York and all other bodies of surface water, natural or artificial, inland or coastal, fresh or salt, public or private (except those private waters that do not combine or effect a junction with natural surface waters), which are wholly or partially within or bordering the state or within its jurisdiction. Waters of the state are further defined in 6 NYCRR Parts 800 to 941.

Temporarily Ceased – means that an existing disturbed area will not be disturbed again within 14 calendar days of the previous soil disturbance.

Temporary Stabilization - means that exposed soil has been covered with material(s) as set forth in the technical standard, New York Standards and Specifications for Erosion and Sediment Control, to prevent the exposed soil from eroding. The materials can include, but are not limited to, mulch, seed and mulch, and erosion control mats (e.g. jute twisted yarn, excelsior wood fiber mats).

Total Maximum Daily Loads (TMDLs) - A TMDL is the sum of the allowable loads of a single pollutant from all contributing point and *nonpoint source*s. It is a calculation of the maximum amount of a pollutant that a waterbody can receive on a daily basis and still meet *water quality standards*, and an allocation of that amount to the pollutant's sources. A TMDL stipulates wasteload allocations (WLAs) for *point source* discharges, load allocations (LAs) for *nonpoint source*s, and a margin of safety (MOS).

Trained Contractor - means an employee from the contracting (construction) company, identified in Part III.A.6., that has received four (4) hours of Department endorsed

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

training in proper erosion and sediment control principles from a Soil and Water Conservation District, or other Department endorsed entity. After receiving the initial training, the *trained contractor* shall receive four (4) hours of training every three (3) years.

It can also mean an employee from the contracting (construction) company, identified in Part III.A.6., that meets the *qualified inspector* qualifications (e.g. licensed Professional Engineer, Certified Professional in Erosion and Sediment Control (CPESC), Registered Landscape Architect, New York State Erosion and Sediment Control Certificate Program holder, or someone working under the direct supervision of, and at the same company as, the licensed Professional Engineer or Registered Landscape Architect, provided they have received four (4) hours of Department endorsed training in proper erosion and sediment control principles from a Soil and Water Conservation District, or other Department endorsed entity).

The *trained contractor* is responsible for the day to day implementation of the SWPPP.

Uniform Procedures Act (UPA) Permit - means a permit required under 6 NYCRR Part 621 of the Environmental Conservation Law (ECL), Article 70.

Water Quality Standard - means such measures of purity or quality for any waters in relation to their reasonable and necessary use as promulgated in 6 NYCRR Part 700 et seq.

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

APPENDIX B – Required SWPPP Components by Project Type

Table 1
Construction Activities that Require the Preparation of a SWPPP That Only Includes Erosion and Sediment Controls

The following construction activities that involve soil disturbances of one (1) or more acres of land, but less than five (5) acres:

- Single family home not located in one of the watersheds listed in Appendix C or not *directly discharging* to one of the 303(d) segments listed in Appendix E
- Single family residential subdivisions with 25% or less impervious cover at total site build-out and not located in one of the watersheds listed in Appendix C and not directly discharging to one of the 303(d) segments listed in Appendix E
- Construction of a barn or other *agricultural building*, silo, stock yard or pen.

The following construction activities that involve soil disturbances between five thousand (5000) square feet and one (1) acre of land:

All construction activities located in the watersheds identified in Appendix D that involve soil disturbances between five thousand (5,000) square feet and one (1) acre of land.

The following construction activities that involve soil disturbances of one (1) or more acres of land:

- Installation of underground, linear utilities; such as gas lines, fiber-optic cable, cable TV, electric, telephone, sewer mains, and water mains
- Environmental enhancement projects, such as wetland mitigation projects, stormwater retrofits and stream restoration projects
- Pond construction
- Linear bike paths running through areas with vegetative cover, including bike paths surfaced with an impervious cover
- Cross-country ski trails and walking/hiking trails
- Sidewalk, bike path or walking path projects, surfaced with an impervious cover, that are not part of residential, commercial or institutional development;
- Sidewalk, bike path or walking path projects, surfaced with an impervious cover, that include incidental shoulder or curb work along an existing highway to support construction of the sidewalk, bike path or walking path.
- Slope stabilization projects
- Slope flattening that changes the grade of the site, but does not significantly change the runoff characteristics

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

Table 1 (Continued) CONSTRUCTION ACTIVITIES THAT REQUIRE THE PREPARATION OF A SWPPP THAT ONLY INCLUDES EROSION AND SEDIMENT CONTROLS

The following construction activities that involve soil disturbances of one (1) or more acres of land:

- Spoil areas that will be covered with vegetation
- Vegetated open space projects (i.e. recreational parks, lawns, meadows, fields, downhill ski trails) excluding projects that *alter hydrology from pre to post development* conditions,
- Athletic fields (natural grass) that do not include the construction or reconstruction of *impervious area* and do not *alter hydrology from pre to post development* conditions
- Demolition project where vegetation will be established, and no redevelopment is planned
- Overhead electric transmission line project that does not include the construction of permanent access roads or parking areas surfaced with *impervious cover*
- Structural practices as identified in Table II in the "Agricultural Management Practices Catalog for Nonpoint Source Pollution in New York State", excluding projects that involve soil disturbances of greater than five acres and construction activities that include the construction or reconstruction of impervious area
- Temporary access roads, median crossovers, detour roads, lanes, or other temporary impervious areas that will be restored to pre-construction conditions once the construction activity is complete

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

Table 2

CONSTRUCTION ACTIVITIES THAT REQUIRE THE PREPARATION OF A SWPPP THAT INCLUDES POST-CONSTRUCTION STORMWATER MANAGEMENT PRACTICES

The following construction activities that involve soil disturbances of one (1) or more acres of land:

- Single family home located in one of the watersheds listed in Appendix C or *directly discharging* to one of the 303(d) segments listed in Appendix E
- Single family home that disturbs five (5) or more acres of land
- Single family residential subdivisions located in one of the watersheds listed in Appendix C or *directly discharging* to one of the 303(d) segments listed in Appendix E
- Single family residential subdivisions that involve soil disturbances of between one (1) and five (5) acres of land with greater than 25% impervious cover at total site build-out
- Single family residential subdivisions that involve soil disturbances of five (5) or more acres of land, and single family residential subdivisions that involve soil disturbances of less than five (5) acres that are part of a larger common plan of development or sale that will ultimately disturb five or more acres of land
- Multi-family residential developments; includes duplexes, townhomes, condominiums, senior housing complexes, apartment complexes, and mobile home parks
- Airports
- Amusement parks
- Breweries, cideries, and wineries, including establishments constructed on agricultural land
- Campgrounds
- Cemeteries that include the construction or reconstruction of impervious area (>5% of disturbed area) or *alter the hydrology from pre to post development* conditions
- Commercial developments
- Churches and other places of worship
- Construction of a barn or other *agricultural building* (e.g. silo) and structural practices as identified in Table II in the "Agricultural Management Practices Catalog for Nonpoint Source Pollution in New York State" that include the construction or reconstruction of *impervious area*, excluding projects that involve soil disturbances of less than five acres.
- Golf courses
- Institutional development; includes hospitals, prisons, schools and colleges
- Industrial facilities; includes industrial parks
- Landfills
- Municipal facilities; includes highway garages, transfer stations, office buildings, POTW's, water treatment plants, and water storage tanks
- Office complexes
- Playgrounds that include the construction or reconstruction of impervious area
- Sports complexes
- Racetracks; includes racetracks with earthen (dirt) surface
- Road construction or reconstruction, including roads constructed as part of the construction activities listed in Table 1

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

Table 2 (Continued)

CONSTRUCTION ACTIVITIES THAT REQUIRE THE PREPARATION OF A SWPPP THAT INCLUDES POST-CONSTRUCTION STORMWATER MANAGEMENT PRACTICES

The following construction activities that involve soil disturbances of one (1) or more acres of land:

- Parking lot construction or reconstruction, including parking lots constructed as part of the construction activities listed in Table 1
- Athletic fields (natural grass) that include the construction or reconstruction of impervious area (>5% of disturbed area) or *alter the hydrology from pre to post development* conditions
- Athletic fields with artificial turf
- Permanent access roads, parking areas, substations, compressor stations and well drilling pads, surfaced with *impervious cover,* and constructed as part of an over-head electric transmission line project, wind-power project, cell tower project, oil or gas well drilling project, sewer or water main project or other linear utility project
- Sidewalk, bike path or walking path projects, surfaced with an impervious cover, that are part of a residential, commercial or institutional development
- Sidewalk, bike path or walking path projects, surfaced with an impervious cover, that are part of a highway construction or reconstruction project
- All other construction activities that include the construction or reconstruction of *impervious area* or *alter the hydrology from pre to post development* conditions, and are not listed in Table 1

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

APPENDIX C – Watersheds Requiring Enhanced Phosphorus Removal

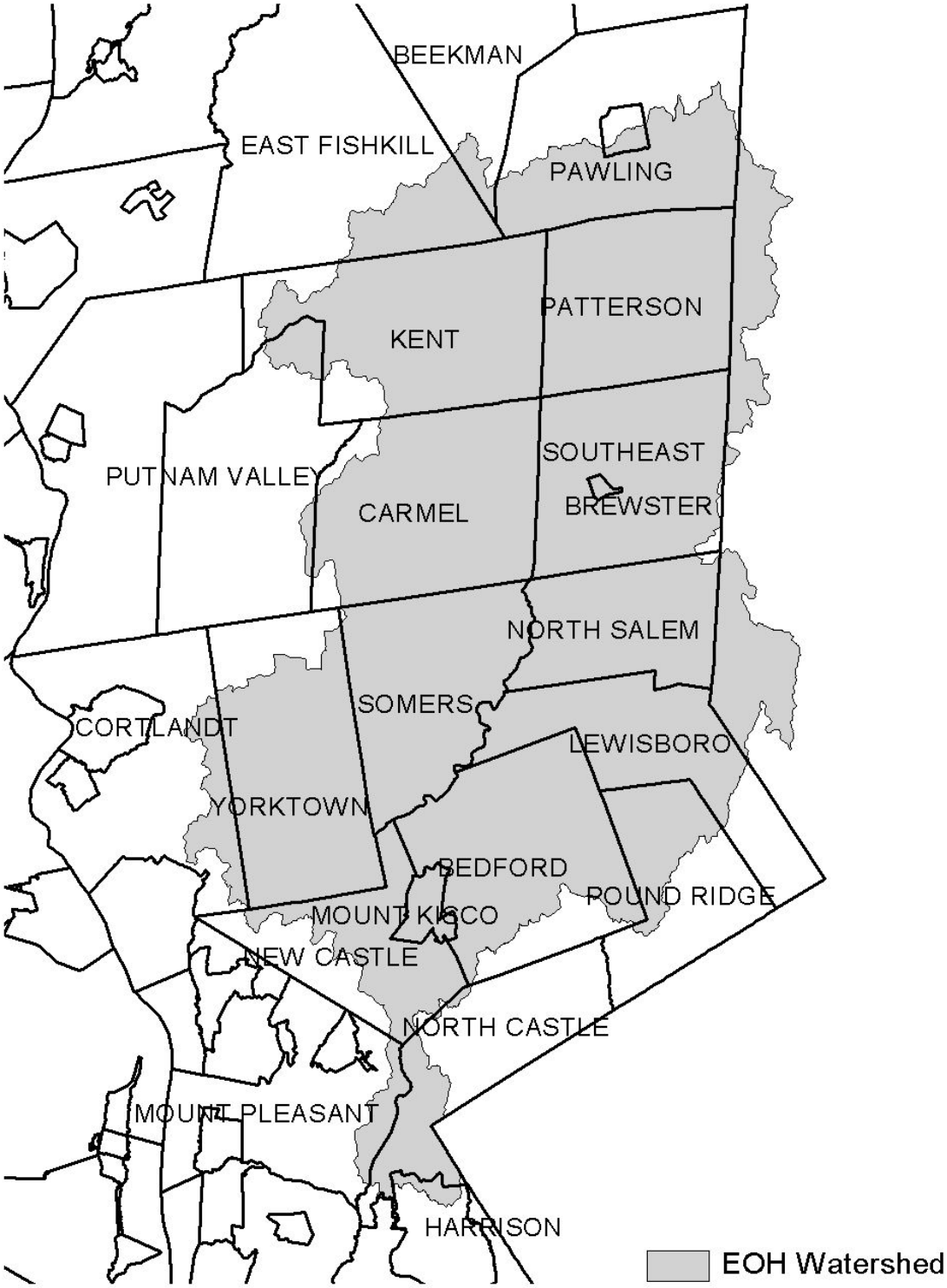
Watersheds where *owners or operators* of construction activities identified in Table 2 of Appendix B must prepare a SWPPP that includes post-construction stormwater management practices designed in conformance with the Enhanced Phosphorus Removal Standards included in the technical standard, New York State Stormwater Management Design Manual ("Design Manual").

- Entire New York City Watershed located east of the Hudson River - Figure 1
- Onondaga Lake Watershed - Figure 2
- Greenwood Lake Watershed -Figure 3
- Oscawana Lake Watershed – Figure 4
- Kinderhook Lake Watershed – Figure 5

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

Appendix C

Figure 1 - New York City Watershed East of the Hudson



Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

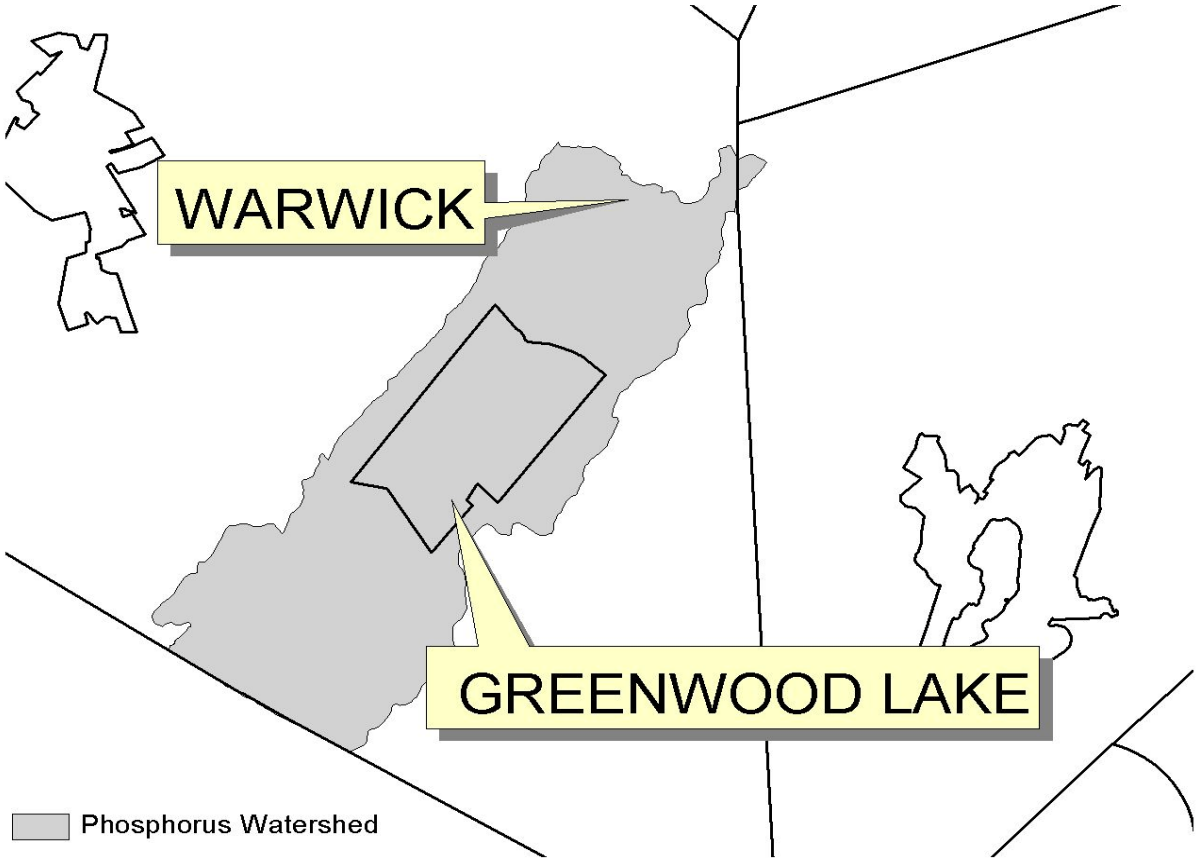
Appendix C

Figure 2 - Onondaga Lake Watershed



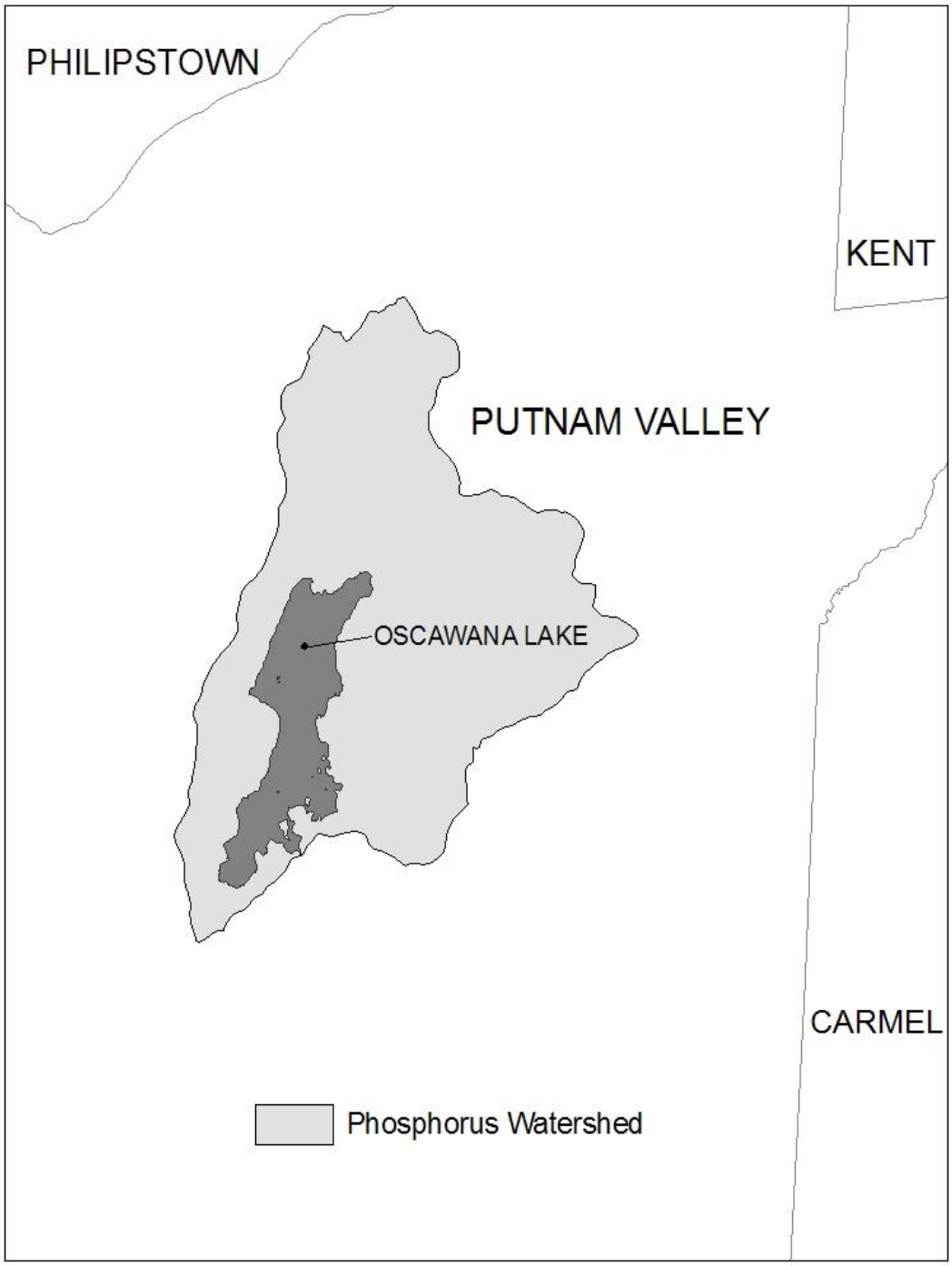
Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

Figure 3 - Greenwood Lake Watershed



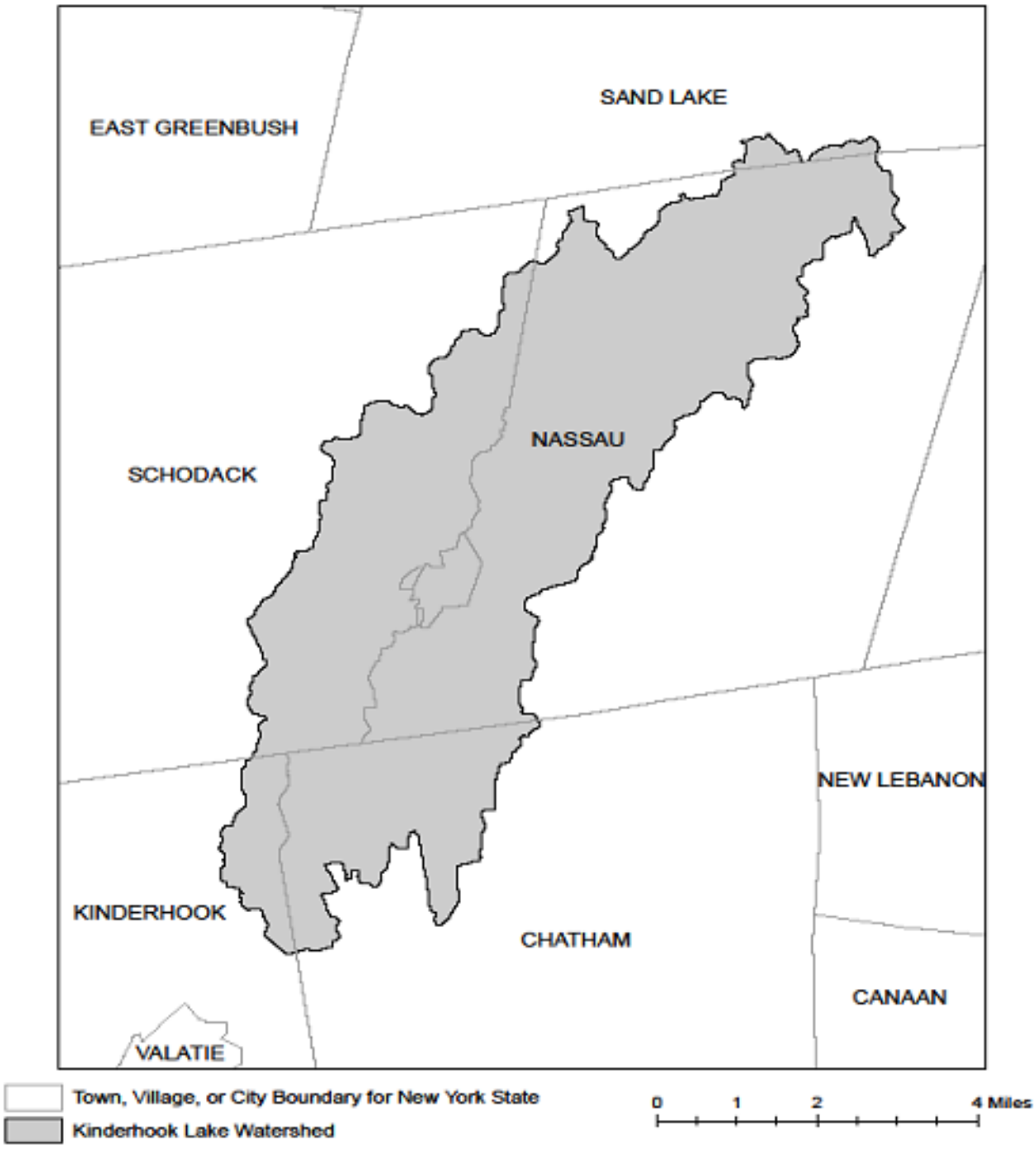
Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

Figure 4 - Oscawana Lake Watershed



Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

Figure 5 - Kinderhook Lake Watershed



Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

APPENDIX D – Watersheds with Lower Disturbance Threshold

Watersheds where *owners or operators* of construction activities that involve soil disturbances between five thousand (5000) square feet and one (1) acre of land must obtain coverage under this permit.

Entire New York City Watershed that is located east of the Hudson River - See Figure 1 in Appendix C

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

APPENDIX E – 303(d) Segments Impaired by Construction Related Pollutant(s)

List of 303(d) segments impaired by pollutants related to *construction activity* (e.g. silt, sediment or nutrients). The list was developed using "The Final New York State 2016 Section 303(d) List of Impaired Waters Requiring a TMDL/Other Strategy" dated November 2016. *Owners or operators* of single family home and single family residential subdivisions with 25% or less total impervious cover at total site build-out that involve soil disturbances of one or more acres of land, but less than 5 acres, and *directly discharge* to one of the listed segments below shall prepare a SWPPP that includes post-construction stormwater management practices designed in conformance with the New York State Stormwater Management Design Manual ("Design Manual"), dated January 2015.

COUNTY	WATERBODY	POLLUTANT
Albany	Ann Lee (Shakers) Pond, Stump Pond	Nutrients
Albany	Basic Creek Reservoir	Nutrients
Allegany	Amity Lake, Saunders Pond	Nutrients
Bronx	Long Island Sound, Bronx	Nutrients
Bronx	Van Cortlandt Lake	Nutrients
Broome	Fly Pond, Deer Lake, Sky Lake	Nutrients
Broome	Minor Tribs to Lower Susquehanna (north)	Nutrients
Broome	Whitney Point Lake/Reservoir	Nutrients
Cattaraugus	Allegheny River/Reservoir	Nutrients
Cattaraugus	Beaver (Alma) Lake	Nutrients
Cattaraugus	Case Lake	Nutrients
Cattaraugus	Linlyco/Club Pond	Nutrients
Cayuga	Duck Lake	Nutrients
Cayuga	Little Sodus Bay	Nutrients
Chautauqua	Bear Lake	Nutrients
Chautauqua	Chadakoin River and tribs	Nutrients
Chautauqua	Chautauqua Lake, North	Nutrients
Chautauqua	Chautauqua Lake, South	Nutrients
Chautauqua	Findley Lake	Nutrients
Chautauqua	Hulburt/Clymer Pond	Nutrients
Clinton	Great Chazy River, Lower, Main Stem	Silt/Sediment
Clinton	Lake Champlain, Main Lake, Middle	Nutrients
Clinton	Lake Champlain, Main Lake, North	Nutrients
Columbia	Kinderhook Lake	Nutrients
Columbia	Robinson Pond	Nutrients
Cortland	Dean Pond	Nutrients

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

303(d) Segments Impaired by Construction Related Pollutant(s)

Dutchess	Fall Kill and tribs	Nutrients
Dutchess	Hillside Lake	Nutrients
Dutchess	Wappingers Lake	Nutrients
Dutchess	Wappingers Lake	Silt/Sediment
Erie	Beeman Creek and tribs	Nutrients
Erie	Ellicott Creek, Lower, and tribs	Silt/Sediment
Erie	Ellicott Creek, Lower, and tribs	Nutrients
Erie	Green Lake	Nutrients
Erie	Little Sister Creek, Lower, and tribs	Nutrients
Erie	Murder Creek, Lower, and tribs	Nutrients
Erie	Rush Creek and tribs	Nutrients
Erie	Scajaquada Creek, Lower, and tribs	Nutrients
Erie	Scajaquada Creek, Middle, and tribs	Nutrients
Erie	Scajaquada Creek, Upper, and tribs	Nutrients
Erie	South Branch Smoke Cr, Lower, and tribs	Silt/Sediment
Erie	South Branch Smoke Cr, Lower, and tribs	Nutrients
Essex	Lake Champlain, Main Lake, South	Nutrients
Essex	Lake Champlain, South Lake	Nutrients
Essex	Willsboro Bay	Nutrients
Genesee	Bigelow Creek and tribs	Nutrients
Genesee	Black Creek, Middle, and minor tribs	Nutrients
Genesee	Black Creek, Upper, and minor tribs	Nutrients
Genesee	Bowen Brook and tribs	Nutrients
Genesee	LeRoy Reservoir	Nutrients
Genesee	Oak Orchard Cr, Upper, and tribs	Nutrients
Genesee	Tonawanda Creek, Middle, Main Stem	Nutrients
Greene	Schoharie Reservoir	Silt/Sediment
Greene	Sleepy Hollow Lake	Silt/Sediment
Herkimer	Steele Creek tribs	Silt/Sediment
Herkimer	Steele Creek tribs	Nutrients
Jefferson	Moon Lake	Nutrients
Kings	Hendrix Creek	Nutrients
Kings	Prospect Park Lake	Nutrients
Lewis	Mill Creek/South Branch, and tribs	Nutrients
Livingston	Christie Creek and tribs	Nutrients
Livingston	Conesus Lake	Nutrients
Livingston	Mill Creek and minor tribs	Silt/Sediment
Monroe	Black Creek, Lower, and minor tribs	Nutrients
Monroe	Buck Pond	Nutrients
Monroe	Cranberry Pond	Nutrients

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

303(d) Segments Impaired by Construction Related Pollutant(s)

Monroe	Lake Ontario Shoreline, Western	Nutrients
Monroe	Long Pond	Nutrients
Monroe	Mill Creek and tribs	Nutrients
Monroe	Mill Creek/Blue Pond Outlet and tribs	Nutrients
Monroe	Minor Tribs to Irondequoit Bay	Nutrients
Monroe	Rochester Embayment - East	Nutrients
Monroe	Rochester Embayment - West	Nutrients
Monroe	Shipbuilders Creek and tribs	Nutrients
Monroe	Thomas Creek/White Brook and tribs	Nutrients
Nassau	Beaver Lake	Nutrients
Nassau	Camaans Pond	Nutrients
Nassau	East Meadow Brook, Upper, and tribs	Silt/Sediment
Nassau	East Rockaway Channel	Nutrients
Nassau	Grant Park Pond	Nutrients
Nassau	Hempstead Bay	Nutrients
Nassau	Hempstead Lake	Nutrients
Nassau	Hewlett Bay	Nutrients
Nassau	Hog Island Channel	Nutrients
Nassau	Long Island Sound, Nassau County Waters	Nutrients
Nassau	Massapequa Creek and tribs	Nutrients
Nassau	Milburn/Parsonage Creeks, Upp, and tribs	Nutrients
Nassau	Reynolds Channel, west	Nutrients
Nassau	Tidal Tribs to Hempstead Bay	Nutrients
Nassau	Tribs (fresh) to East Bay	Nutrients
Nassau	Tribs (fresh) to East Bay	Silt/Sediment
Nassau	Tribs to Smith/Halls Ponds	Nutrients
Nassau	Woodmere Channel	Nutrients
New York	Harlem Meer	Nutrients
New York	The Lake in Central Park	Nutrients
Niagara	Bergholtz Creek and tribs	Nutrients
Niagara	Hyde Park Lake	Nutrients
Niagara	Lake Ontario Shoreline, Western	Nutrients
Niagara	Lake Ontario Shoreline, Western	Nutrients
Oneida	Ballou, Nail Creeks and tribs	Nutrients
Onondaga	Harbor Brook, Lower, and tribs	Nutrients
Onondaga	Ley Creek and tribs	Nutrients
Onondaga	Minor Tribs to Onondaga Lake	Nutrients
Onondaga	Ninemile Creek, Lower, and tribs	Nutrients
Onondaga	Onondaga Creek, Lower, and tribs	Nutrients
Onondaga	Onondaga Creek, Middle, and tribs	Nutrients

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

303(d) Segments Impaired by Construction Related Pollutant(s)

Onondaga	Onondaga Lake, northern end	Nutrients
Onondaga	Onondaga Lake, southern end	Nutrients
Ontario	Great Brook and minor tribs	Silt/Sediment
Ontario	Great Brook and minor tribs	Nutrients
Ontario	Hemlock Lake Outlet and minor tribs	Nutrients
Ontario	Honeoye Lake	Nutrients
Orange	Greenwood Lake	Nutrients
Orange	Monhagen Brook and tribs	Nutrients
Orange	Orange Lake	Nutrients
Orleans	Lake Ontario Shoreline, Western	Nutrients
Orleans	Lake Ontario Shoreline, Western	Nutrients
Oswego	Lake Neatahwanta	Nutrients
Oswego	Pleasant Lake	Nutrients
Putnam	Bog Brook Reservoir	Nutrients
Putnam	Boyd Corners Reservoir	Nutrients
Putnam	Croton Falls Reservoir	Nutrients
Putnam	Diverting Reservoir	Nutrients
Putnam	East Branch Reservoir	Nutrients
Putnam	Lake Carmel	Nutrients
Putnam	Middle Branch Reservoir	Nutrients
Putnam	Oscawana Lake	Nutrients
Putnam	Palmer Lake	Nutrients
Putnam	West Branch Reservoir	Nutrients
Queens	Bergen Basin	Nutrients
Queens	Flushing Creek/Bay	Nutrients
Queens	Jamaica Bay, Eastern, and tribs (Queens)	Nutrients
Queens	Kissena Lake	Nutrients
Queens	Meadow Lake	Nutrients
Queens	Willow Lake	Nutrients
Rensselaer	Nassau Lake	Nutrients
Rensselaer	Snyders Lake	Nutrients
Richmond	Grasmere Lake/Bradys Pond	Nutrients
Rockland	Congers Lake, Swartout Lake	Nutrients
Rockland	Rockland Lake	Nutrients
Saratoga	Ballston Lake	Nutrients
Saratoga	Dwaas Kill and tribs	Silt/Sediment
Saratoga	Dwaas Kill and tribs	Nutrients
Saratoga	Lake Lonely	Nutrients
Saratoga	Round Lake	Nutrients
Saratoga	Tribs to Lake Lonely	Nutrients

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

303(d) Segments Impaired by Construction Related Pollutant(s)

Schenectady	Collins Lake	Nutrients
Schenectady	Duane Lake	Nutrients
Schenectady	Mariaville Lake	Nutrients
Schoharie	Engleville Pond	Nutrients
Schoharie	Summit Lake	Nutrients
Seneca	Reeder Creek and tribs	Nutrients
St.Lawrence	Black Lake Outlet/Black Lake	Nutrients
St.Lawrence	Fish Creek and minor tribs	Nutrients
Steuben	Smith Pond	Nutrients
Suffolk	Agawam Lake	Nutrients
Suffolk	Big/Little Fresh Ponds	Nutrients
Suffolk	Canaan Lake	Silt/Sediment
Suffolk	Canaan Lake	Nutrients
Suffolk	Flanders Bay, West/Lower Sawmill Creek	Nutrients
Suffolk	Fresh Pond	Nutrients
Suffolk	Great South Bay, East	Nutrients
Suffolk	Great South Bay, Middle	Nutrients
Suffolk	Great South Bay, West	Nutrients
Suffolk	Lake Ronkonkoma	Nutrients
Suffolk	Long Island Sound, Suffolk County, West	Nutrients
Suffolk	Mattituck (Marratooka) Pond	Nutrients
Suffolk	Meetinghouse/Terrys Creeks and tribs	Nutrients
Suffolk	Mill and Seven Ponds	Nutrients
Suffolk	Millers Pond	Nutrients
Suffolk	Moriches Bay, East	Nutrients
Suffolk	Moriches Bay, West	Nutrients
Suffolk	Peconic River, Lower, and tidal tribs	Nutrients
Suffolk	Quantuck Bay	Nutrients
Suffolk	Shinnecock Bay and Inlet	Nutrients
Suffolk	Tidal tribs to West Moriches Bay	Nutrients
Sullivan	Bodine, Montgomery Lakes	Nutrients
Sullivan	Davies Lake	Nutrients
Sullivan	Evens Lake	Nutrients
Sullivan	Pleasure Lake	Nutrients
Tompkins	Cayuga Lake, Southern End	Nutrients
Tompkins	Cayuga Lake, Southern End	Silt/Sediment
Tompkins	Owasco Inlet, Upper, and tribs	Nutrients
Ulster	Ashokan Reservoir	Silt/Sediment
Ulster	Esopus Creek, Upper, and minor tribs	Silt/Sediment
Warren	Hague Brook and tribs	Silt/Sediment

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

303(d) Segments Impaired by Construction Related Pollutant(s)

Warren	Huddle/Finkle Brooks and tribs	Silt/Sediment
Warren	Indian Brook and tribs	Silt/Sediment
Warren	Lake George	Silt/Sediment
Warren	Tribs to L.George, Village of L George	Silt/Sediment
Washington	Cossayuna Lake	Nutrients
Washington	Lake Champlain, South Bay	Nutrients
Washington	Tribs to L.George, East Shore	Silt/Sediment
Washington	Wood Cr/Champlain Canal and minor tribs	Nutrients
Wayne	Port Bay	Nutrients
Westchester	Amawalk Reservoir	Nutrients
Westchester	Blind Brook, Upper, and tribs	Silt/Sediment
Westchester	Cross River Reservoir	Nutrients
Westchester	Lake Katonah	Nutrients
Westchester	Lake Lincolndale	Nutrients
Westchester	Lake Meahagh	Nutrients
Westchester	Lake Mohegan	Nutrients
Westchester	Lake Shenorock	Nutrients
Westchester	Long Island Sound, Westchester (East)	Nutrients
Westchester	Mamaroneck River, Lower	Silt/Sediment
Westchester	Mamaroneck River, Upper, and minor tribs	Silt/Sediment
Westchester	Muscoot/Upper New Croton Reservoir	Nutrients
Westchester	New Croton Reservoir	Nutrients
Westchester	Peach Lake	Nutrients
Westchester	Reservoir No.1 (Lake Isle)	Nutrients
Westchester	Saw Mill River, Lower, and tribs	Nutrients
Westchester	Saw Mill River, Middle, and tribs	Nutrients
Westchester	Sheldrake River and tribs	Silt/Sediment
Westchester	Sheldrake River and tribs	Nutrients
Westchester	Silver Lake	Nutrients
Westchester	Teatown Lake	Nutrients
Westchester	Titicus Reservoir	Nutrients
Westchester	Truesdale Lake	Nutrients
Westchester	Wallace Pond	Nutrients
Wyoming	Java Lake	Nutrients
Wyoming	Silver Lake	Nutrients

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

APPENDIX F – List of NYS DEC Regional Offices

Region	Covering the following counties:	DIVISION OF ENVIRONMENTAL PERMITS (DEP) Permit Administrators	DIVISION OF WATER (DOW) Water (SPDES) Program
1	Nassau and Suffolk	50 Circle Road Stony Brook, NY 11790 Tel. (631) 444-0365	50 Circle Road Stony Brook, NY 11790-3409 Tel. (631) 444-0405
2	Bronx, Kings, New York, Queens and Richmond	1 Hunters Point Plaza, 47-40 21st St. Long Island City, NY 11101-5407 Tel. (718) 482-4997	1 Hunters Point Plaza, 47-40 21st St. Long Island City, NY 11101-5407 Tel. (718) 482-4933
3	Dutchess, Orange, Putnam, Rockland, Sullivan, Ulster and Westchester	21 South Putt Corners Road New Paltz, NY 12561-1696 Tel. (845) 256-3059	100 Hillside Avenue, Suite 1W White Plains, NY 10603 Tel. (914) 428 - 2505
4	Albany, Columbia, Delaware, Greene, Montgomery, Otsego, Rensselaer, Schenectady and Schoharie	1150 North Westcott Road Schenectady, NY 12306-2014 Tel. (518) 357-2069	1130 North Westcott Road Schenectady, NY 12306-2014 Tel. (518) 357-2045
5	Clinton, Essex, Franklin, Fulton, Hamilton, Saratoga, Warren and Washington	1115 State Route 86, Po Box 296 Ray Brook, NY 12977-0296 Tel. (518) 897-1234	232 Golf Course Road Warrensburg, NY 12885-1172 Tel. (518) 623-1200
6	HERKIMER, JEFFERSON, LEWIS, ONEIDA AND ST. LAWRENCE	STATE OFFICE BUILDING 317 WASHINGTON STREET WATERTOWN, NY 13601-3787 TEL. (315) 785-2245	STATE OFFICE BUILDING 207 GENESEE STREET UTICA, NY 13501-2885 TEL. (315) 793-2554
7	BROOME, CAYUGA, CHENANGO, CORTLAND, MADISON, ONONDAGA, OSWEGO, TIOGA AND TOMPKINS	615 ERIE BLVD. WEST SYRACUSE, NY 13204-2400 TEL. (315) 426-7438	615 ERIE BLVD. WEST SYRACUSE, NY 13204-2400 TEL. (315) 426-7500
8	CHEMUNG, GENESEE, LIVINGSTON, MONROE, ONTARIO, ORLEANS, SCHUYLER, SENECA, STEUBEN, WAYNE AND YATES	6274 EAST AVON-LIMA ROADAVON, NY 14414-9519 TEL. (585) 226-2466	6274 EAST AVON-LIMA RD. AVON, NY 14414-9519 TEL. (585) 226-2466
9	ALLEGANY, CATTARAUGUS, CHAUTAUQUA, ERIE, NIAGARA AND WYOMING	270 MICHIGAN AVENUE BUFFALO, NY 14203-2999 TEL. (716) 851-7165	270 MICHIGAN AVENUE BUFFALO, NY 14203-2999 TEL. (716) 851-7070

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

ATTACHMENT G

ARMY CORPS JURISDICTIONAL DETERMINATION

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

DEPARTMENT OF THE ARMY
BUFFALO DISTRICT, CORPS OF ENGINEERS
1776 NIAGARA STREET
BUFFALO, NEW YORK 14207-3199

REPLY TO

March 26, 2020

Regulatory Branch

SUBJECT: Preliminary Jurisdictional Determination and Approved Jurisdictional Determination for Department of the Army Application No. 2003-00052 (Uniland Construction - 3750 and 3800 Millersport Highway)

David Reilly
Uniland Construction
University Corporate Centre
100 Corporate Parkway, Suite 500
Amherst, New York 14226

Dear Mr. Reilly:

I have reviewed the wetland delineation report submitted on your behalf by Wilson Environmental Technologies for a wetland boundary verification for a parcel located at 3750 & 3800 Millersport Highway, Town of Amherst, Erie County, New York.

Section 404 of the Clean Water Act establishes Corps of Engineers jurisdiction over the discharge of dredged or fill material into waters of the United States, including wetlands, as defined in 33 CFR Part 328.3.

I have evaluated your submitted wetland delineation map and have determined that the wetland and water boundaries shown on the map accurately represent on-site conditions. I am hereby verifying the wetland and water boundaries depicted on Sheet 1 of 1 with a preliminary and an approved jurisdictional determination.

1. <u>Approved Jurisdictional Determination, Attachment A, for Wetlands A & C</u>

Based upon our evaluation of the subject project site, we have determined that there is no clear surface water connection or ecological continuum between wetland A (1.52 acres) and wetland C (0.03 acres) on the parcel and a surface tributary system to a navigable water of the United States. Therefore, this water is considered isolated, non-navigable, intrastate water and not regulated under Section 404 of the Clean Water Act. Accordingly, you do not need Department of the Army authorization to commence work in these areas.

This determination for wetlands A & C will remain valid for a period of 5 years from the date of this correspondence unless new information warrants revision of the delineation before the expiration. At the end of this period, a new delineation may be required. If you object to this

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

determination, you may request an administrative appeal under Corps regulations at 33 CFR Part 331. Enclosed you will find a Notification of Appeal Process (NAP) fact sheet and Request for Appeal (RFA) form. If you request to appeal the above determination, you must submit a completed RFA form within 60 days of the date on this letter to the Great Lakes/Ohio River Division Office at the following address:

Attn: Jacob Siegrist
Great Lakes and Ohio River Division
CELRD-PDS-O
550 Main Street, Room 10524
Cincinnati, OH 45202-3222
Phone: 513-684-2699; FAX 513-684-2460

In order for an RFA to be accepted by the Corps, the Corps must determine that it is complete, that it meets the criteria for appeal under 33 C.F.R. part 331.5, and that it has been received by the Division Office within 60 days of the date of the NAP. Should you decide to submit an RFA form, it must be received at the above address by May 25, 2020.

It is not necessary to submit an RFA to the Division office if you do not object to the determination in this letter.

2. Preliminary Jurisdictional Determination, Attachment B, for Unnamed Tributary to Ransom Creek; Wetland B

Please note that this is a Preliminary Jurisdictional Determination (JD) for an Unnamed Tributary to Ransom Creek (1027 linear feet) and Wetland B (0.204 Acres). Preliminary JDs are non-binding written indications that there may be waters of the United States (WOUS) on your parcel and approximate locations of those waters. Preliminary JDs are advisory in nature and may not be appealed.

Pursuant to Regulatory Guidance Letter 16-01, any permit application made in reliance on this Preliminary JD will be evaluated as though all wetlands or waters on the site are regulated by the Corps. Further, all waters, including wetlands will be used for purposes of assessing the area of project related impacts and compensatory mitigation. If you require a definitive response regarding Department of the Army jurisdiction for any or all of the waters identified on the submitted drawings, you may request an approved jurisdictional determination (AJD) from this office. If an AJD is requested, please be aware that this is often a lengthy process and we may require the submittal of additional information.

I have enclosed the Preliminary JD Form with this letter. The form and attached table identifies the extent of waters on the site and specific terms and conditions of the Preliminary JD. Please sign and return a copy of this form to my attention. If you do not respond within 15

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

days, we will presume concurrence and no additional follow up is necessary prior to finalizing an action.

In accordance with Regulatory Guidance Letter 05-02, "Preliminary jurisdictional determinations are not definitive determinations of areas within regulatory jurisdiction and do not have expirations dates." However, I strongly recommend that the boundaries of all aquatic resources on the parcel be re-evaluated by a qualified wetland biologist after five years of the date of this letter. This will ensure that any changes are appropriately identified and you do not inadvertently incur a violation of Federal law while constructing your project or working on your project site.

Lastly, the Preliminary and Approved Jurisdictional Determinations have been conducted only to identify the limits of waters that may be subject to Corps Clean Water Act or Rivers and Harbors Act jurisdiction. This delineation/determination may not be valid for the wetland conservation provisions of the Food Security Act of 1985, as amended. If you or your tenant are USDA program participants, or anticipate participation in USDA programs, you should request a certified wetland determination from the local office of the Natural Resource Conservation Service prior to starting work.

Questions pertaining to this matter should be directed to me by calling (716) 879-4279, by writing to the following address: U.S. Army Corps of Engineers, 1776 Niagara Street, Buffalo, New York 14207, or by e-mail at: joseph.m.rowley@usace.army.mil

Sincerely,



Joseph Rowley
Physical Scientist

Enclosure
cc: Mr. Don Wilson of Wilson Environmental Technologies

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

NOTIFICATION OF ADMINISTRATIVE APPEAL OPTIONS AND PROCESS AND REQUEST FOR APPEAL

Applicant: Uniland Development	File Number: 2003-00052	Date: 3/26/2020
Attached is:		See Section below
	INITIAL PROFFERED PERMIT (Standard Permit or Letter of permission)	A
	PROFFERED PERMIT (Standard Permit or Letter of permission)	B
	PERMIT DENIAL	C
X	APPROVED JURISDICTIONAL DETERMINATION for Wetlands B and D	D
X	PRELIMINARY JURISDICTIONAL DETERMINATION for Tributary 1 & 2; Wetlands A,C,E	E

SECTION I - The following identifies your rights and options regarding an administrative appeal of the above decision. Additional information may be found at http://usace.army.mil/inet/functions/cw/cecwo/reg or Corps regulations at 33 CFR Part 331.

A: INITIAL PROFFERED PERMIT: You may accept or object to the permit.

- **ACCEPT:** If you received a Standard Permit, you may sign the permit document and return it to the district engineer for final authorization. If you received a Letter of Permission (LOP), you may accept the LOP and your work is authorized. Your signature on the Standard Permit or acceptance of the LOP means that you accept the permit in its entirety, and waive all rights to appeal the permit, including its terms and conditions, and approved jurisdictional determinations associated with the permit.

- **OBJECT:** If you object to the permit (Standard or LOP) because of certain terms and conditions therein, you may request that the permit be modified accordingly. You must complete Section II of this form and return the form to the district engineer. Your objections must be received by the district engineer within 60 days of the date of this notice, or you will forfeit your right to appeal the permit in the future. Upon receipt of your letter, the district engineer will evaluate your objections and may: (a) modify the permit to address all of your concerns, (b) modify the permit to address some of your objections, or (c) not modify the permit having determined that the permit should be issued as previously written. After evaluating your objections, the district engineer will send you a proffered permit for your reconsideration, as indicated in Section B below.

B: PROFFERED PERMIT: You may accept or appeal the permit

- **ACCEPT:** If you received a Standard Permit, you may sign the permit document and return it to the district engineer for final authorization. If you received a Letter of Permission (LOP), you may accept the LOP and your work is authorized. Your signature on the Standard Permit or acceptance of the LOP means that you accept the permit in its entirety, and waive all rights to appeal the permit, including its terms and conditions, and approved jurisdictional determinations associated with the permit.
- **APPEAL:** If you choose to decline the proffered permit (Standard or LOP) because of certain terms and conditions therein, you may appeal the declined permit under the Corps of Engineers Administrative Appeal Process by completing Section II of this form and sending the form to the division engineer. This form must be received by the division engineer within 60 days of the date of this notice.

C: PERMIT DENIAL: You may appeal the denial of a permit under the Corps of Engineers Administrative Appeal Process by completing Section II of this form and sending the form to the division engineer. This form must be received by the division engineer within 60 days of the date of this notice.

D: APPROVED JURISDICTIONAL DETERMINATION: You may accept or appeal the approved JD or provide new information.

- **ACCEPT:** You do not need to notify the Corps to accept an approved JD. Failure to notify the Corps within 60 days of the date of this notice, means that you accept the approved JD in its entirety, and waive all rights to appeal the approved JD.
- **APPEAL:** If you disagree with the approved JD, you may appeal the approved JD under the Corps of Engineers Administrative Appeal Process by completing Section II of this form and sending the form to the division engineer. This form must be received by the division engineer within 60 days of the date of this notice.

E: PRELIMINARY JURISDICTIONAL DETERMINATION: You do not need to respond to the Corps regarding the preliminary JD. The Preliminary JD is not appealable. If you wish, you may request an approved JD (which may be appealed), by contacting the Corps district for further instruction. Also you may provide new information for further consideration by the Corps to reevaluate the JD.

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

SECTION II - REQUEST FOR APPEAL or OBJECTIONS TO AN INITIAL PROFFERED PERMIT

REASONS FOR APPEAL OR OBJECTIONS: (Describe your reasons for appealing the decision or your objections to an initial proffered permit in clear concise statements. You may attach additional information to this form to clarify where your reasons or objections are addressed in the administrative record.)

ADDITIONAL INFORMATION: The appeal is limited to a review of the administrative record, the Corps memorandum for the record of the appeal conference or meeting, and any supplemental information that the review officer has determined is needed to clarify the administrative record. Neither the appellant nor the Corps may add new information or analyses to the record. However, you may provide additional information to clarify the location of information that is already in the administrative record.

POINT OF CONTACT FOR QUESTIONS OR INFORMATION:

If you have questions regarding this decision and/or the appeal process you may contact:	If you only have questions regarding the appeal process you may also contact:
Joseph Rowley U.S. Army Corps of Engineers 1776 Niagara Street Buffalo, New York 14207 (716)879-4279 joseph.m.rowley@usace.army.mil	Attn: Jacob Siegrist Great Lakes and Ohio River Division CELRD-PDS-O 550 Main Street, Room 10524 Cincinnati, OH 45202-3222 Phone: 513-684-2699; FAX 513-684-2460

RIGHT OF ENTRY: Your signature below grants the right of entry to Corps of Engineers personnel, and any government consultants, to conduct investigations of the project site during the course of the appeal process. You will be provided a 15 day notice of any site investigation, and will have the opportunity to participate in all site investigations.

	Date:	Telephone number:
_____ Signature of appellant or agent.		

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

APPROVED JURISDICTIONAL DETERMINATION FORM
U.S. Army Corps of Engineers

This form should be completed by following the instructions provided in Section IV of the JD Form Instructional Guidebook.

SECTION I: BACKGROUND INFORMATION

A. REPORT COMPLETION DATE FOR APPROVED JURISDICTIONAL DETERMINATION (JD):

B. DISTRICT OFFICE, FILE NAME, AND NUMBER: LRB 2003-00052 Uniland Development (Citi Bank) Wetland A = 1.52 acres; Wetland C = 0.03 acres From 1 of 1

C. PROJECT LOCATION AND BACKGROUND INFORMATION:
State: New York County/parish/borough: Erie City: Amherst
Center coordinates of site (lat/long in degree decimal format): Lat. 43.042789 ° N, Long. -78.740869° W
Universal Transverse Mercator:
Name of nearest waterbody: Roadside drainage ditch to Ransom Creek
Name of nearest Traditional Navigable Water (TNW) into which the aquatic resource flows: None
Name of watershed or Hydrologic Unit Code (HUC):

- [x] Check if map/diagram of review area and/or potential jurisdictional areas is/are available upon request.
- [ ] Check if other sites (e.g., offsite mitigation sites, disposal sites, etc…) are associated with this action and are recorded on a different JD form

D. REVIEW PERFORMED FOR SITE EVALUATION (CHECK ALL THAT APPLY):

- [x] Office (Desk) Determination. Date: March 4, 2020
- [x] Field Determination. Date(s): October 30, 2019

SECTION II: SUMMARY OF FINDINGS

A. RHA SECTION 10 DETERMINATION OF JURISDICTION.

There are no "*navigable waters of the U.S.*" within Rivers and Harbors Act (RHA) jurisdiction (as defined by 33 CFR part 329) in the review area. [*Required*]

- [ ] Waters subject to the ebb and flow of the tide.
- [ ] Waters are presently used, or have been used in the past, or may be susceptible for use to transport interstate or foreign commerce.
  Explain: *Click here to enter text.*

B. CWA SECTION 404 DETERMINATION OF JURISDICTION.

There are "*waters of the U.S.*" within Clean Water Act (CWA) jurisdiction (as defined by 33 CFR part 328) in the review area. ***[Required]***

1. **Waters of the U.S.**
   a. **Indicate presence of waters of U.S. in review area (check all that apply):** [1]

- [ ] TNWs, including territorial seas
- [ ] Wetlands adjacent to TNWs
- [ ] Relatively permanent waters[2] (RPWs) that flow directly or indirectly into TNWs
- [ ] Non-RPWs that flow directly or indirectly into TNWs
- [ ] Wetlands directly abutting RPWs that flow directly or indirectly into TNWs
- [ ] Wetlands adjacent to but not directly abutting RPWs that flow directly or indirectly into TNWs
- [ ] Wetlands adjacent to non-RPWs that flow directly or indirectly into TNWs
- [ ] Impoundments of jurisdictional waters
- [x] Isolated (interstate or intrastate) waters, including isolated wetlands

   b. **Identify (estimate) size of waters of the U.S. in the review area:**
   Non-wetland waters: linear feet: width (ft) and/or # acres.
   Wetlands: acres

   c. **Limits (boundaries) of jurisdiction** based on: 1987 Delineation Manual

   Elevation of established OHWM (if known): Unknown

2. **Non-regulated waters/wetlands (check if applicable):**[3]

- [x] Potentially jurisdictional waters and/or wetlands were assessed within the review area and determined to be not jurisdictional.
  Explain: A site visit was conducted on October 30, 2019 at the 13 acre parcel located at the corner of Millersport Highway and Hopkins Road, Town of Amherst, Erie County, New York. In addition, a review of in-house resources including, topographical maps, aerial photography and soils maps were checked. The boundary of Wetland A (1.52 acres) and Wetland C (0.03 acres) were walked and no surface flows or culverts were observed going away from the wetland. Finally, almost an inch of rain fell throughout the Buffalo area the night before and during the day of the site visit, October 30, 2019.

[1] Boxes checked below shall be supported by completing the appropriate sections in Section III below.
[2] For purposes of this form, an RPW is defined as a tributary that is not a TNW and that typically flows year-round or has continuous flow at least "seasonally" (e.g.,
[3] Supporting documentation is presented in Section III.F.

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

Wetland A (1.52 acres total, PFO Wetland) boundary was walked and based on the on-site walkover and review of in-house res was determined the wetland is a closed depressional wetland that was not abutting or adjacent to a drainage-way nor appeared to flow directly into a drainage-way or a TNW. The wetland is approximately 50 linear feet away from a roadside drainage ditch along Millersport Highway, 75 linear feet away from a roadside drainage ditch along Hopkins Road and 200-250 feet away from the Unnamed Tributary to Ransom Creek to the West. No other drainageways were located coming or going from the wetland during the site visit or from a desktop review. During the site visit, no surface flow from Wetland A to the two (2) drainage ditches was observed and no drainage patterns were found around the wetland. The wetland is a shallow surface concave depression that collects water and hold it long enough to provide wetland characteristics but do not drain from any surface connections and any subsurface connection would be speculative but based on tl topography would not be expected to occur. During the October 30, 2019 site visit, approximately inch of water was found to be pooling i areas throughout the wetland.

Wetland C (0.03 acres, PEM Wetland) boundary was walked and based on the on-site walkover and review of in-house resources it was determined the wetland is a closed depressional wetland that was not abutting or adjacent to a drainage-way nor appeared to flow directly into a drainage-way or a TNW. No drainage ditch was located along Hopkins Road within the vicinity of Wetland C. The wetland is over 250 feet away from the Unnamed Tributary to Ransom Creek to the West and there is no roadside drainage ditch along Hopkins Road to the North of the wetland. During the site visit, no surface flow from Wetland C was observed and there were no drainage patterns or were found around the wetland. The wetland is a shallow surface concave depression that collects water and hold it long enough to provide wetland characteristics but do not drain from any surface connections and any subsurface connection would be speculative but based on tl topography would not be expected to occur. During the October 30, 2019 site visit, approximately an inch of water was found to be pooli in the wetland.

No ecological nexus to any wetlands or drainageways were seen in the vicinity of the wetlands. With the excessive rain during the early morning and throughout the day on October 30, approximately an inch, hydrology was present within the wetlands. However, there was n evidence of drainage or flow from the wetlands to the roadside drainage ditches or the ditch along the western side of the parcel. In addition, the consultant who performed the delineation, WET,Inc., visited the site on November 1, 2019 after an additional 1.50 inches of rain fell within the Buffalo area. The consultant indicated no flow or the appearance of overland sheet flow was observed from the wetlands to the roadside drainage ditches or the Unnamed Tributary to Ransom Creek along the western side of the parcel. Due to the distance to the nearest drainageway and on-site soil conditions, it is unlikely that any shallow subsurface connection exists between the wetlands and the nearest drainageways. The wetlands are physically and geographically isolated within depressions on the landscape and water would not make it to a TNW.

SECTION III: CWA ANALYSIS

A. TNWs AND WETLANDS ADJACENT TO TNWs

The agencies will assert jurisdiction over TNWs and wetlands adjacent to TNWs. If the aquatic resource is a TNW, complete Section III.A.1 and Section III.D.1. only; if the aquatic resource is a wetland adjacent to a TNW, complete Sections III.A.1 and 2 and Section III.D.1.; otherwise, see Section III.B below.

1. TNW

Identify TNW: *Click here to enter text.*

Summarize rationale supporting determination: *Click here to enter text.*

2. Wetland adjacent to TNW

Summarize rationale supporting conclusion that wetland is "adjacent": *Click here to enter text.*

B. CHARACTERISTICS OF TRIBUTARY (THAT IS NOT A TNW) AND ITS ADJACENT WETLANDS (IF ANY):

This section summarizes information regarding characteristics of the tributary and its adjacent wetlands, if any, and it helps determine whether or not the standards for jurisdiction established under *Rapanos* have been met.

The agencies will assert jurisdiction over non-navigable tributaries of TNWs where the tributaries are "relatively permanent waters" (RPWs), i.e. tributaries that typically flow year-round or have continuous flow at least seasonally (e.g., typically 3 months). A wetland that directly abuts an RPW is also jurisdictional. If the aquatic resource is not a TNW, but has year-round (perennial) flow, skip to Section III.D.2. If the aquatic resource is a wetland directly abutting a tributary with perennial flow, skip to Section III.D.4.

A wetland that is adjacent to but that does not directly abut an RPW requires a significant nexus evaluation. Corps districts and EPA regions will include in the record any available information that documents the existence of a significant nexus between a relatively permanent tributary that is not perennial (and its adjacent wetlands if any) and a traditional navigable water, even though a significant nexus finding is not required as a matter of law.

If the waterbody[4] is not an RPW, or a wetland directly abutting an RPW, a JD will require additional data to determine if the waterbody has a significant nexus with a TNW. If the tributary has adjacent wetlands, the significant nexus evaluation must consider the tributary in combination with all of its adjacent wetlands. This significant nexus evaluation that combines, for analytical purposes, the tributary and all of its adjacent wetlands is used whether the review area identified in the JD request is the tributary, or its adjacent wetlands, or both. If the JD covers a tributary with adjacent wetlands, complete Section III.B.1 for the tributary, Section III.B.2 for any onsite wetlands, and Section III.B.3 for all wetlands adjacent to that tributary, both onsite and offsite. The determination whether a significant nexus exists is determined in Section III.C below.

1. Characteristics of non-TNWs that flow directly or indirectly into TNW

(i) General Area Conditions:

Watershed size: acres

[4] Note that the Instructional Guidebook contains additional information regarding swales, ditches, washes, and erosional features generally and in the arid West.

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

Drainage area: acres
Average annual rainfall: inches
Average annual snowfall: inches

(ii) Physical Characteristics:

(a) Relationship with TNW:

☐ Tributary flows directly into TNW.

☐ Tributary flows through tributaries before entering TNW.

Project waters are *Choose an item.* river miles from TNW.
Project waters are *Choose an item.* river miles from RPW.
Project waters are *Choose an item.* aerial (straight) miles from TNW.
Project waters are *Choose an item.* aerial (straight) miles from RPW.
Project waters cross or serve as state boundaries. Explain:

Identify flow route to TNW[5]:
Tributary stream order, if known:

(b) General Tributary Characteristics (check all that apply):

Tributary is: ☐ Natural

☐ Artificial (man-made). Explain: *Click here to enter text.*

☐ Manipulated (man-altered). Explain:

Tributary properties with respect to top of bank (estimate):
Average width: feet
Average depth: feet
Average side slopes: *Choose an item.*

Primary tributary substrate composition (check all that apply):

☐ Silts ☐ Sands ☐ Concrete
☐ Cobbles ☐ Gravel ☐ Muck
☐ Bedrock ☐ Vegetation. Type/% cover:
☐ Other. Explain: Detritus

Tributary condition/stability [e.g., highly eroding, sloughing banks]. Explain: .
Presence of run/riffle/pool complexes. Explain: .
Tributary geometry: *Choose an item.*
Tributary gradient (approximate average slope):

(c) Flow:

Tributary provides for: *Choose an item.*
Estimate average number of flow events in review area/year: *Choose an item.*
Describe flow regime:.
Other information on duration and volume:

Surface flow is: *Choose an item.* Characteristics: .

Subsurface flow: Unknown Explain findings: *Click here to enter text.*
☐ Dye (or other) test performed: *Click here to enter text.*

Tributary has (check all that apply):
☐ Bed and banks
☐ OHWM[6] (check all indicators that apply):
☐ clear, natural line impressed on the bank ☐ the presence of litter and debris
☐ changes in the character of soil ☐ destruction of terrestrial vegetation
☐ shelving ☐ the presence of wrack line
☐ vegetation matted down, bent, or absent ☐ sediment sorting
☐ leaf litter disturbed or washed away ☐ scour
☐ sediment deposition ☐ multiple observed or predicted flow events
☐ water staining ☐ abrupt change in plant community *Click here to enter text.*
☐ other (list): *Click here to enter text.*
☐ Discontinuous OHWM.[7] Explain: *Click here to enter text.*

If factors other than the OHWM were used to determine lateral extent of CWA jurisdiction (check all that apply):

[5] Flow route can be described by identifying, e.g., tributary a, which flows through the review area, to flow into tributary b, which then flows into TNW.
[6] A natural or man-made discontinuity in the OHWM does not necessarily sever jurisdiction (e.g., where the stream temporarily flows underground, or where the OHWM has been removed by development or agricultural practices). Where there is a break in the OHWM that is unrelated to the waterbody's flow regime (e.g., flow over a rock outcrop or through a culvert), the agencies will look for indicators of flow above and below the break.
[7] Ibid.

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

- ☐ High Tide Line indicated by:
  - ☐ oil or scum line along shore objects
  - ☐ fine shell or debris deposits (foreshore)
  - ☐ physical markings/characteristics
  - ☐ tidal gauges
  - ☐ other (list): *Click here to enter text.*
- ☐ Mean High Water Mark indicated by:
  - ☐ survey to available datum;
  - ☐ physical markings;
  - ☐ vegetation lines/changes in vegetation types.

(iii) Chemical Characteristics:

Characterize tributary (e.g., water color is clear, discolored, oily film; water quality; general watershed characteristics, etc.).
Explain:
Identify specific pollutants, if known:

(iv) Biological Characteristics. Channel supports (check all that apply):

- ☐ Riparian corridor. Characteristics (type, average width):
- ☐ Wetland fringe. Characteristics: .
- ☐ Habitat for:
  - ☐ Federally Listed species. Explain findings: *Click here to enter text.*
  - ☐ Fish/spawn areas. Explain findings: *Click here to enter text.*
  - ☐ Other environmentally-sensitive species. Explain findings: *Click here to enter text.*
  - ☐ Aquatic/wildlife diversity. Explain findings: .

2. Characteristics of wetlands adjacent to non-TNW that flow directly or indirectly into TNW

(i) Physical Characteristics:

(a) General Wetland Characteristics:
Properties:
Wetland size:
Wetland type. Explain:
Wetland quality. Explain:
Project wetlands cross or serve as state boundaries. Explain:

(b) General Flow Relationship with Non-TNW:
Flow is: Intermittent and Ephemeral Flow Explain:

Surface flow is: Discrete and Confined
Characteristics:.

Subsurface flow: *Choose an item.* Explain findings: *Click here to enter text.*
- ☐ Dye (or other) test performed: *Click here to enter text.*

(c) Wetland Adjacency Determination with Non-TNW:
- ☐ Directly abutting:
- ☐ Not directly abutting:
  - ☐ Discrete wetland hydrologic connection. Explain:
  - ☐ Ecological connection. Explain:
  - ☐ Separated by berm/barrier. Explain: *Click here to enter text.*

(d) Proximity (Relationship) to TNW
Project wetlands are *Choose an item.* river miles from TNW.
Project waters are *Choose an item.* aerial (straight) miles from TNW.
Flow is from: *Choose an item.*
Estimate approximate location of wetland as within the *Choose an item.* floodplain.

(ii) Chemical Characteristics:

Characterize wetland system (e.g., water color is clear, brown, oil film on surface; water quality; general watershed characteristics; etc.). Explain:

(iii) Biological Characteristics. Wetland supports (check all that apply):

- ☐ Riparian buffer. Characteristics (type, average width):
- ☐ Vegetation type/percent cover. Explain:
- ☐ Habitat for:
- ☐ Federally Listed species. Explain findings: *Click here to enter text.*
- ☐ Fish/spawn areas. Explain findings: *Click here to enter text.*
- ☐ Other environmentally-sensitive species. Explain findings: *Click here to enter text.*
- ☐ Aquatic/wildlife diversity. Explain findings:

3. Characteristics of all wetlands adjacent to the tributary (if any)

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

All wetland(s) being considered in the cumulative analysis: *Choose an item.*
Approximately (#) acres in total are being considered in the cumulative analysis.
For each wetland, specify the following:

Directly abuts? (Y/N)	Size (in acres)	Directly abuts? (Y/N)	Size (in acres)

Summarize overall biological, chemical and physical functions being performed:

C. SIGNIFICANT NEXUS DETERMINATION

A significant nexus analysis will assess the flow characteristics and functions of the tributary itself and the functions performed by any wetlands adjacent to the tributary to determine if they significantly affect the chemical, physical, and biological integrity of a TNW. For each of the following situations, a significant nexus exists if the tributary, in combination with all of its adjacent wetlands, has more than a speculative or insubstantial effect on the chemical, physical and/or biological integrity of a TNW. Considerations when evaluating significant nexus include, but are not limited to the volume, duration, and frequency of the flow of water in the tributary and its proximity to a TNW, and the functions performed by the tributary and all its adjacent wetlands. It is not appropriate to determine significant nexus based solely on any specific threshold of distance (e.g. between a tributary and its adjacent wetland or between a tributary and the TNW). Similarly, the fact an adjacent wetland lies within or outside of a floodplain is not solely determinative of significant nexus.

Draw connections between the features documented and the effects on the TNW, as identified in the *Rapanos* Guidance and discussed in the Instructional Guidebook. Factors to consider include, for example:

- Does the tributary, in combination with its adjacent wetlands (if any), have the capacity to carry pollutants or flood waters to TNWs, or to reduce the amount of pollutants or flood waters reaching a TNW?
- Does the tributary, in combination with its adjacent wetlands (if any), provide habitat and lifecycle support functions for fish and other species, such as feeding, nesting, spawning, or rearing young for species that are present in the TNW?
- Does the tributary, in combination with its adjacent wetlands (if any), have the capacity to transfer nutrients and organic carbon that support downstream foodwebs?
- Does the tributary, in combination with its adjacent wetlands (if any), have other relationships to the physical, chemical, or biological integrity of the TNW?

Note: the above list of considerations is not inclusive and other functions observed or known to occur should be documented below:

1. **Significant nexus findings for non-RPW that has no adjacent wetlands and flows directly or indirectly into TNWs.** Explain findings of presence or absence of significant nexus below, based on the tributary itself, then go to Section III.D: *Click here to enter text.*

2. **Significant nexus findings for non-RPW and its adjacent wetlands, where the non-RPW flows directly or indirectly into TNWs.** Explain findings of presence or absence of significant nexus below, based on the tributary in combination with all of its adjacent wetlands, then go to Section III.D: *Click here to enter text.*

3. **Significant nexus findings for wetlands adjacent to an RPW but that do not directly abut the RPW.** Explain findings of presence or absence of significant nexus below, based on the tributary in combination with all of its adjacent wetlands, then go to Section III.D:

D. DETERMINATIONS OF JURISDICTIONAL FINDINGS. THE SUBJECT WATERS/WETLANDS ARE (CHECK ALL THAT APPLY):

1. **TNWs and Adjacent Wetlands.** Check all that apply and provide size estimates in review area:
   - ☐ TNWs: # linear feet # width (ft), Or, # acres.
   - ☐ Wetlands adjacent to TNWs: # acres.

2. **RPWs that flow directly or indirectly into TNWs.**
   - ☐ Tributaries of TNWs where tributaries typically flow year-round are jurisdictional. Provide data and rationale indicating that tributary is perennial: *Click here to enter text.*.
   - ☐ Tributaries of TNW where tributaries have continuous flow "seasonally" (e.g., typically three months each year) are jurisdictional. Data supporting this conclusion is provided at Section III.B. Provide rationale indicating that tributary flows seasonally:

     Provide estimates for jurisdictional waters in the review area (check all that apply):
     - ☐ Tributary waters: linear feet width (ft).
     - ☐ Other non-wetland waters: # acres.
       Identify type(s) of waters: *Click here to enter text.*

3. **Non-RPWs[8] that flow directly or indirectly into TNWs.**
   - ☐ Waterbody that is not a TNW or an RPW, but flows directly or indirectly into a TNW, and it has a significant nexus with a TNW is jurisdictional. Data supporting this conclusion is provided at Section III.C.

   Provide estimates for jurisdictional waters within the review area (check all that apply):
   - ☐ Tributary waters: # linear feet # width (ft).
   - ☐ Other non-wetland waters: # acres.
     Identify type(s) of waters: *Click here to enter text.*

4. **Wetlands directly abutting an RPW that flow directly or indirectly into TNWs.**

[8]See Footnote # 3.

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

☐ Wetlands directly abut RPW and thus are jurisdictional as adjacent wetlands.

☐ Wetlands directly abutting an RPW where tributaries typically flow year-round. Provide data and rationale indicating that tributary is perennial in Section III.D.2, above. Provide rationale indicating that wetland is directly abutting an RPW:

☐ Wetlands directly abutting an RPW where tributaries typically flow "seasonally." Provide data indicating that tributary is seasonal in Section III.B and rationale in Section III.D.2, above. Provide rationale indicating that wetland is directly abutting an RPW:

Provide acreage estimates for jurisdictional wetlands in the review area: .

5. **Wetlands adjacent to but not directly abutting an RPW that flow directly or indirectly into TNWs.**

☐ Wetlands that do not directly abut an RPW, but when considered in combination with the tributary to which they are adjacent and with similarly situated adjacent wetlands, have a significant nexus with a TNW are jurisidictional. Data supporting this conclusion is provided at Section III.C.

Provide acreage estimates for jurisdictional wetlands in the review area:

Wetlands adjacent to non-RPWs that flow directly or indirectly into TNWs.

☐ Wetlands adjacent to such waters, and have when considered in combination with the tributary to which they are adjacent and with similarly situated adjacent wetlands, have a significant nexus with a TNW are jurisdictional. Data supporting this conclusion is provided at Section III.C.

Provide estimates for jurisdictional wetlands in the review area: # acres.

7. **Impoundments of jurisdictional waters.**[9]

As a general rule, the impoundment of a jurisdictional tributary remains jurisdictional.

☐ Demonstrate that impoundment was created from "waters of the U.S.," or

☐ Demonstrate that water meets the criteria for one of the categories presented above (1-6), or

☐ Demonstrate that water is isolated with a nexus to commerce (see E below).

E. ISOLATED [INTERSTATE OR INTRA-STATE] WATERS, INCLUDING ISOLATED WETLANDS, THE USE, DEGRADATION OR DESTRUCTION OF WHICH COULD AFFECT INTERSTATE COMMERCE, INCLUDING ANY SUCH WATERS (CHECK ALL THAT APPLY):[10]

☐ which are or could be used by interstate or foreign travelers for recreational or other purposes.

☐ from which fish or shellfish are or could be taken and sold in interstate or foreign commerce.

☐ which are or could be used for industrial purposes by industries in interstate commerce.

☐ Interstate isolated waters. Explain: *Click here to enter text.*

☐ Other factors. Explain: *Click here to enter text.*

Identify water body and summarize rationale supporting determination: *Click here to enter text.*

Provide estimates for jurisdictional waters in the review area (check all that apply):

☐ Tributary waters: # linear feet # width (ft).

☐ Other non-wetland waters: # acres.

Identify type(s) of waters: *Click here to enter text.*

☐ Wetlands: # acres.

F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS (CHECK ALL THAT APPLY):

☐ If potential wetlands were assessed within the review area, these areas did not meet the criteria in the 1987 Corps of Engineers Wetland Delineation Manual and/or appropriate Regional Supplements.

☑ Review area included isolated waters with no substantial nexus to interstate (or foreign) commerce.

☑ Prior to the Jan 2001 Supreme Court decision in "*SWANCC*," the review area would have been regulated based solely on the "Migratory Bird Rule" (MBR).

☐ Waters do not meet the "Significant Nexus" standard, where such a finding is required for jurisdiction. Explain: *Click here to enter text.*

☐ Other: (explain, if not covered above): *Click here to enter text.*

Provide acreage estimates for non-jurisdictional waters in the review area, where the sole potential basis of jurisdiction is the MBR factors (i.e., presence of migratory birds, presence of endangered species, use of water for irrigated agriculture), using best professional judgment (check all that apply):

☐ Non-wetland waters (i.e., rivers, streams): # linear feet # width (ft).

☐ Lakes/ponds: # acres.

☐ Other non-wetland waters: # acres. List type of aquatic resource: *Click here to enter text.*.

☑ Wetlands: 1.55 acres.

[9] To complete the analysis refer to the key in Section III.D.6 of the Instructional Guidebook.

[10] Prior to asserting or declining CWA jurisdiction based solely on this category, Corps Districts will elevate the action to Corps and EPA HQ for review consistent with the process described in the Corps/EPA *Memorandum Regarding CWA Act Jurisdiction Following Rapanos.*

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

Provide acreage estimates for non-jurisdictional waters in the review area that do not meet the "Significant Nexus" standard, where su finding is required for jurisdiction (check all that apply):

- ☐ Non-wetland waters (i.e., rivers, streams): # linear feet # width (ft).
- ☐ Lakes/ponds: # acres.
- ☐ Other non-wetland waters: # acres. List type of aquatic resource: *Click here to enter text.*.
- ☐ Wetlands: acres.

SECTION IV: DATA SOURCES.

A. SUPPORTING DATA. Data reviewed for JD (check all that apply - checked items shall be included in case file and, where checked and requested, appropriately reference sources below):

- ☑ Maps, plans or plots submitted by or on behalf of the applicant/consultant: Delineation report submitted by WET, Inc dated July 2019; Additional information from WET dated November 15, 2019 .
- ☑ Data sheets prepared/submitted by or on behalf of the applicant/consultant.
  - ☑ Office concurs with data sheets/delineation report.
  - ☐ Office does not concur with data sheets/delineation report.
- ☐ Data sheets prepared by the Corps:
- ☐ Corps navigable waters' study: *Click here to enter text.*
- ☐ U.S. Geological Survey Hydrologic Atlas: *Click here to enter text.*
  - ☐ USGS NHD data.
  - ☐ USGS 8 and 12 digit HUC maps.
- ☑ U.S. Geological Survey map(s). Cite scale & quad name: Clarence Center USGS Quad, delineated parcel located.
- ☑ USDA Natural Resources Conservation Service Soil Survey: USDA-NRCS Web Soil Survey – Mapped Hydric/Potentially Hydric soils are found within the delineated boundary.
- ☑ National wetlands inventory map(s). Cite name: USFWS Wetland Mapper – No mapped Federal wetlands are found within the delineated boundary.
- ☑ State/Local wetland inventory map(s): NYSDEC Environmental Resource Mapper – No mapped State regulated wetland is located within the vicinity of the delineated parcel
- ☐ FEMA/FIRM maps: *Click here to enter text.*
- ☐ 100-year Floodplain Elevation is: *Click here to enter text.* (National Geodectic Vertical Datum of 1929)
- ☑ Photographs: ☑ Aerial (Name & Date): Google Earth, Bing Maps
  - ☐ or ☑ Other (Name & Date): Photos included with the delineation report and additional information
- ☐ Previous determination(s). File no. and date of response letter: *Click here to enter text.*
- ☐ Applicable/supporting case law: *Click here to enter text.*
- ☐ Applicable/supporting scientific literature: *Click here to enter text.*
- ☐ Other information (please specify): *Click here to enter text.*

B. ADDITIONAL COMMENTS TO SUPPORT JD: Isolated wetlands A (1.52 acres) and C (0.03 acres) were field verified by the Corps of Engineers on October 30, 2019. The perimeter of the wetlands were walked and no evidence of any connections to other waters were identified. There were no connections between the wetlands and any other waters on the Clarence Center USGS Quad or the USDA/NRCS Web Soil Survey. The Wetlands are isolated and outside the Department of the Army's jurisdiction. The determination is supported by the review of in-house resources and field verified. None of the 328.3(a)(3)(i-iii) factors are relevant in this case. The wetlands don't support recreational or other use by interstate travelers, nor provide habitat for amphibians or other aquatic species. The wetlands offer no use for industrial or commercial purposes. The wetlands were determined to be isolated and therefore non-jurisdictional. The Unnamed Tributary to Ransom Creek and Wetland B will be verified under a Preliminary Jurisdictional Determination.

Joseph Rowley

March 26, 2020

Joseph M. Rowley
Project Manager

Date

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

Appendix 2 - PRELIMINARY JURISDICTIONAL DETERMINATION (PJD) FORM

BACKGROUND INFORMATION

A. REPORT COMPLETION DATE FOR PJD: March 26, 2020

B. NAME AND ADDRESS OF PERSON REQUESTING PJD:

David J. Reilly
Uniland Construction
University Corporate Centre
100 Corporate Pkwy, Suite 500
Amherst, New York 14226

C. DISTRICT OFFICE, FILE NAME, AND NUMBER: 2003-00052 Uniland Construction (3750/3800 Millersport Highway)

D. PROJECT LOCATION(S) AND BACKGROUND INFORMATION:
(USE THE TABLE BELOW TO DOCUMENT MULTIPLE AQUATIC RESOURCES AND/OR AQUATIC RESOURCES AT DIFFERENT SITES)

State: New York County/parish/borough: Erie City: Amherst

Center coordinates of site (lat/long in degree decimal format):

Lat.: 43.0427 Long.: -78.7408

Universal Transverse Mercator:

Name of nearest waterbody: Ransom Creek

E. REVIEW PERFORMED FOR SITE EVALUATION (CHECK ALL THAT APPLY):

☒ Office (Desk) Determination. Date: July 15, 2019

☐ Field Determination. Date(s):

TABLE OF AQUATIC RESOURCES IN REVIEW AREA WHICH "MAY BE" SUBJECT TO REGULATORY JURISDICTION.

Site number	Latitude (decimal degrees)	Longitude (decimal degrees)	Estimated amount of aquatic resource in review area (acreage and linear feet, if applicable)	Type of aquatic resource (i.e., wetland vs. non-wetland waters)	Geographic authority to which the aquatic resource "may be" subject (i.e., Section 404 or Section 10/404
Wetland B (2019)	43.0426	-78.7396	0.204 acres	Wetland	Sec 404
Unnamed Tributary to Ransom Creek	43.0428	-78.7401	1027 LF	Non-wetland	Sec 404

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

1) The Corps of Engineers believes that there may be jurisdictional aquatic resources in the review area, and the requestor of this PJD is hereby advised of his or her option to request and obtain an approved JD (AJD) for that review area based on an informed decision after having discussed the various types of JDs and their characteristics and circumstances when they may be appropriate.

2) In any circumstance where a permit applicant obtains an individual permit, or a Nationwide General Permit (NWP) or other general permit verification requiring "pre-construction notification" (PCN), or requests verification for a non-reporting NWP or other general permit, and the permit applicant has not requested an AJD for the activity, the permit applicant is hereby made aware that: (1) the permit applicant has elected to seek a permit authorization based on a PJD, which does not make an official determination of jurisdictional aquatic resources; (2) the applicant has the option to request an AJD before accepting the terms and conditions of the permit authorization, and that basing a permit authorization on an AJD could possibly result in less compensatory mitigation being required or different special conditions; (3) the applicant has the right to request an individual permit rather than accepting the terms and conditions of the NWP or other general permit authorization; (4) the applicant can accept a permit authorization and thereby agree to comply with all the terms and conditions of that permit, including whatever mitigation requirements the Corps has determined to be necessary; (5) undertaking any activity in reliance upon the subject permit authorization without requesting an AJD constitutes the applicant's acceptance of the use of the PJD; (6) accepting a permit authorization (e.g., signing a proffered individual permit) or undertaking any activity in reliance on any form of Corps permit authorization based on a PJD constitutes agreement that all aquatic resources in the review area affected in any way by that activity will be treated as jurisdictional, and waives any challenge to such jurisdiction in any administrative or judicial compliance or enforcement action, or in any administrative appeal or in any Federal court; and (7) whether the applicant elects to use either an AJD or a PJD, the JD will be processed as soon as practicable. Further, an AJD, a proffered individual permit (and all terms and conditions contained therein), or individual permit denial can be administratively appealed pursuant to 33 C.F.R. Part 331. If, during an administrative appeal, it becomes appropriate to make an official determination whether geographic jurisdiction exists over aquatic resources in the review area, or to provide an official delineation of jurisdictional aquatic resources in the review area, the Corps will provide an AJD to accomplish that result, as soon as is practicable. This PJD finds that there *"may be"* waters of the U.S. and/or that there *"may be"* navigable waters of the U.S. on the subject review area, and identifies all aquatic features in the review area that could be affected by the proposed activity, based on the following information:

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

SUPPORTING DATA. Data reviewed for PJD (check all that apply)

Checked items should be included in subject file. Appropriately reference sources below where indicated for all checked items:

☒ Maps, plans, plots or plat submitted by or on behalf of the PJD requestor:
Map: Delineation report submitted by WET dated July 11, 2019_____
☒ Data sheets prepared/submitted by or on behalf of the PJD requestor.
☒ Office concurs with data sheets/delineation report.
☐ Office does not concur with data sheets/delineation report. Rationale: _____.
☐ Data sheets prepared by the Corps: _____.
☐ Corps navigable waters' study: _____.
☐ U.S. Geological Survey Hydrologic Atlas: _____.
☐ USGS NHD data.
☐ USGS 8 and 12 digit HUC maps.
☒ U.S. Geological Survey map(s). Cite scale & quad name: USGS Clarence Center-delineated parcel located_____.
☒ Natural Resources Conservation Service Soil Survey. Citation: USDA/NRCS Web Soil Survey-mapped hydric/potential hydric soils located on the delineated parcel_____.
☒ National wetlands inventory map(s). Cite name: USFWS Wetland Mapper-mapped Federal located on delineated parcel_____.
☒ State/local wetland inventory map(s): NYSDEC Environmental Resource Mapper-no mapped State regulated wetlands located on delineated parcel_____.
☐ FEMA/FIRM maps: _____
☐ 100-year Floodplain Elevation is: ____. (National Geodetic Vertical Datum of 1929)
☒ Photographs:
☒ Aerial (Name & Date): Bing/Google Maps-delineated parcel located___.
☒ Other (Name & Date): Photos included with delineation report_____.
☐ Previous determination(s). File no. and date of response letter: _____.
☐ Other information (please specify): _____.

IMPORTANT NOTE: The information recorded on this form has not necessarily been verified by the Corps and should not be relied upon for later jurisdictional determinations.

Joseph Rowley 3/26/2020

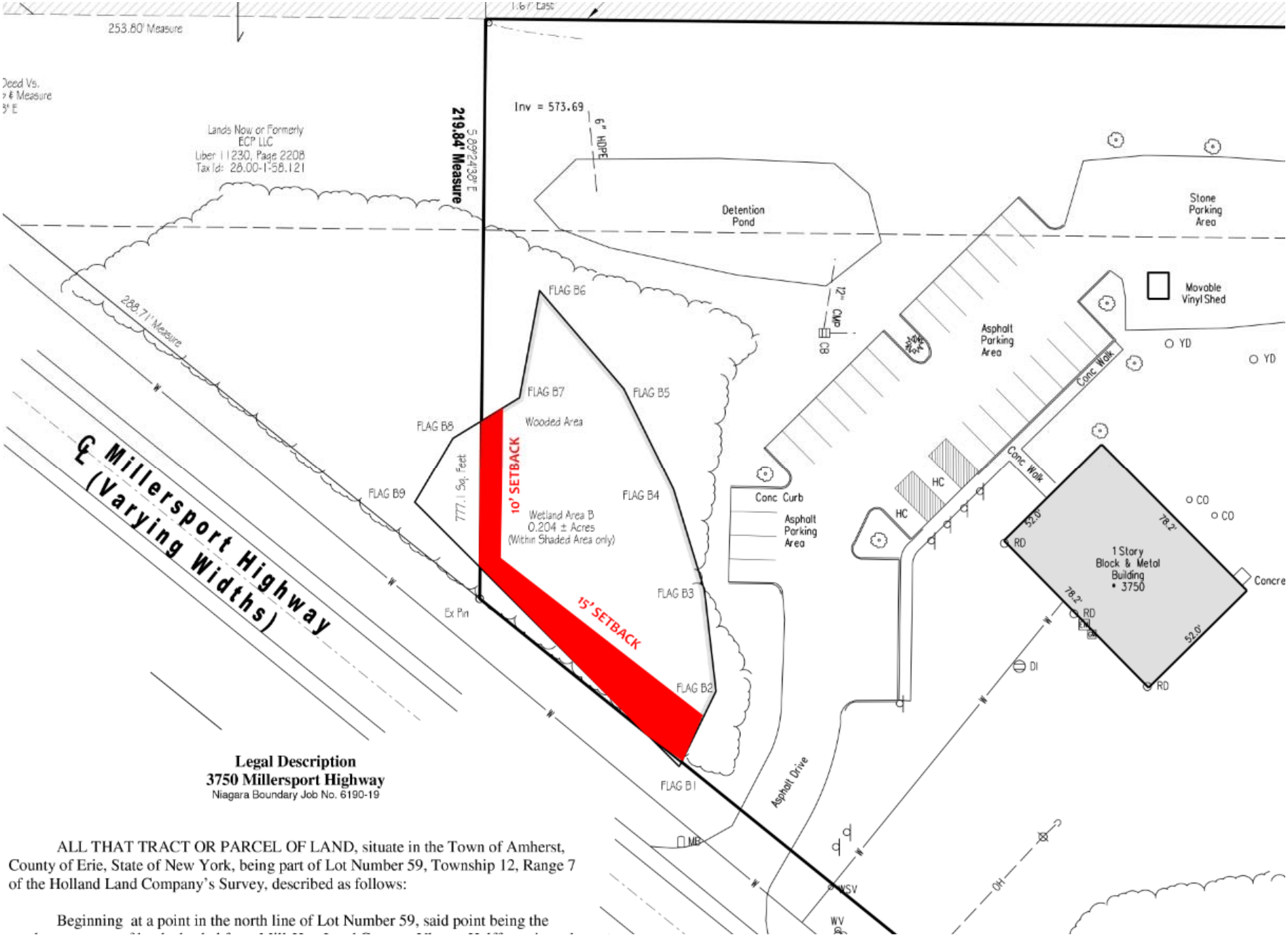
Signature and date of Regulatory staff member completing PJD

Signature and date of person requesting PJD (REQUIRED, unless obtaining the signature is impracticable)[1]

[1] Districts may establish timeframes for requestor to return signed PJD forms. If the requestor does not respond within the established time frame, the district may presume concurrence and no additional follow up is necessary prior to finalizing an action.

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

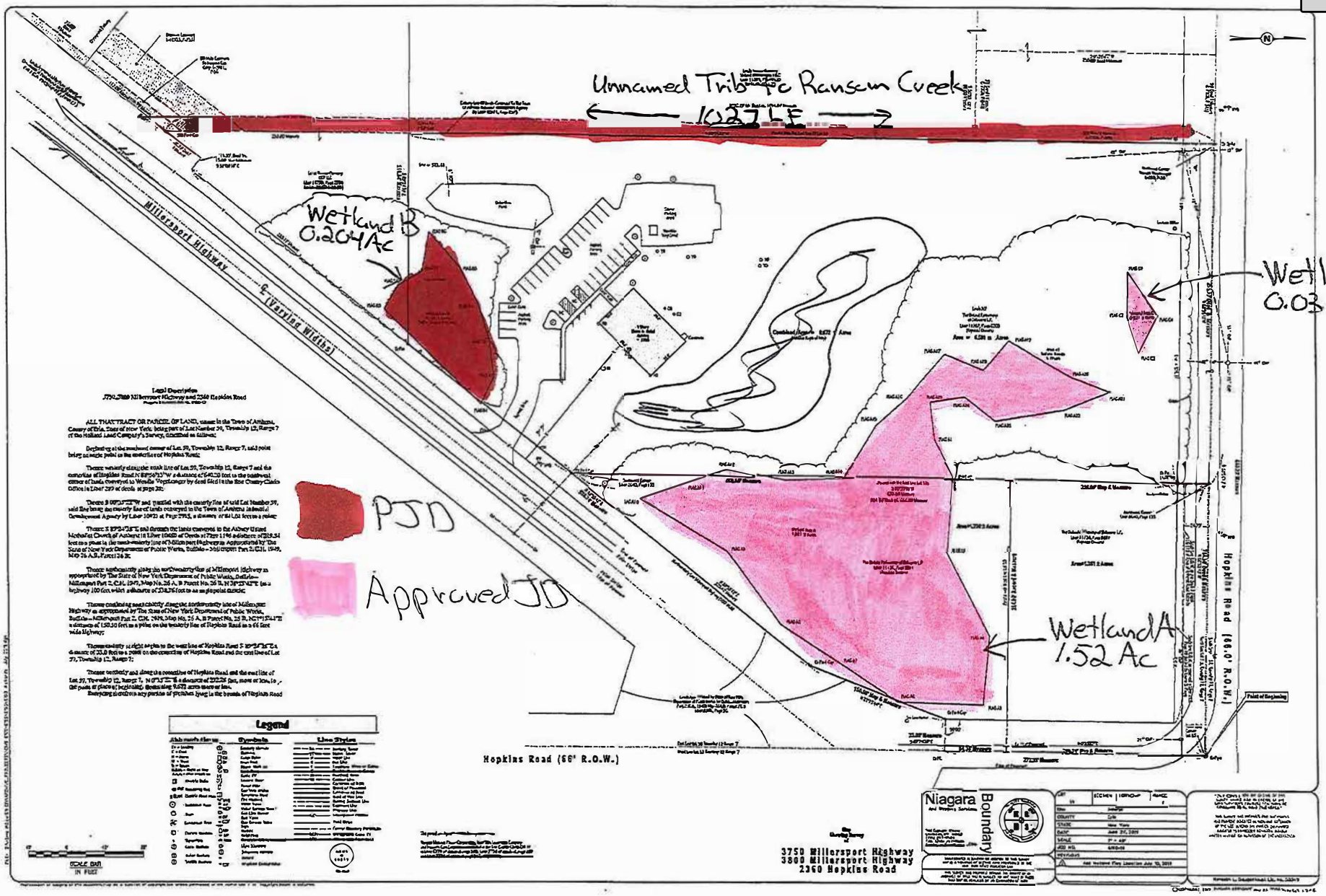


Legal Description
3750 Millersport Highway
Niagara Boundary Job No. 6190-19

ALL THAT TRACT OR PARCEL OF LAND, situate in the Town of Amherst, County of Erie, State of New York, being part of Lot Number 59, Township 12, Range 7 of the Holland Land Company's Survey, described as follows:

Beginning at a point in the north line of Lot Number 59, said point being the

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport,



Uniland Development
DA# 2003-00052
Erie County
USGS: Clarence Center
Sheet 1 of 1

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport,

ATTACHMENT H

NYSDEC MSGP No Exposure Certification Filing

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

APPENDIX A

Pre-Construction Documents and Certifications

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

PRE-CONSTRUCTION DOCUMENTS

Project Name: 3750 Millersport Highway
Name of Operator: Citigroup Technology LLC
Name of Preparer: Ware Malcomb
Preamble to Site Assessment and Inspections

The following information to be read by all person's involved in the construction of stormwater related activities:

A qualified professional[1] shall conduct an assessment of the site prior to the development activity[2] and certify in this inspection report that the appropriate erosion and sediment controls described in the SWPPP have been adequately installed or implemented to ensure overall preparedness of the site for the commencement of construction.

Prior to the commencement of construction, the Preparer shall certify in this site logbook that the SWPPP has been prepared in accordance with the State's standards and meets all Federal, State and local erosion and sediment control requirements.

When construction starts, site inspections shall be conducted by the qualified professional at least once every 7 calendar days (Construction Duration Inspections), except as otherwise required during "winter frequency". The Operator shall maintain a record of all inspection reports in this site logbook. The site logbook shall be maintained on site and be made available to the permitting authorities upon request. The Operator shall post at the site, in a publicly accessible location, a summary of the site inspection activities on a monthly basis (Monthly Summary Report).

A qualified professional shall perform a final site inspection. The qualified professional shall certify that the site had undergone final stabilization[3] using either vegetative or structural stabilization methods and that all temporary erosion and sediment controls (such as silt fencing) not needed for long-term erosion control have been removed. In addition, the Preparer must identify and certify that all permanent structures described in the SWPPP have been constructed and provide the owner(s) with an operation and maintenance plan that ensures the structure(s) continuously functions as designed.

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

[1] "Qualified Professional" means a person that is knowledgeable in the principles and practice of stormwater management and treatment, such as a licensed Professional Engineer, Registered Landscape Architect, or other Department endorsed individual(s). Individuals preparing SWPPPs that require the post-construction stormwater management practice component must have an understanding of the principles of hydrology, water quality management practice design, water quality control design, and, in many cases, the principles of hydraulics. All components of the SWPPP that involve the practice of engineering, as defined by the NYS Education Law (see Article 145), shall be prepared by, or under the direct supervision of, a professional engineer licensed to practice in the State of New York.

[2] "Development activity" means soil disturbance on a site including but not limited to land contour work, clearing, grading, excavation, demolition, construction, reconstruction, new development, redevelopment, creation or replacement of impervious surface, stockpiling activities or placement of fill. Clearing activities include but are not limited to the cutting and skidding of trees, stump removal and/or brush root removal. Such term does not include routine maintenance (such as road resurfacing) that is performed to maintain the original line and grade, hydraulic capacity, or original purpose of a facility.

[3] "Final stabilization" means that all soil-disturbing activities at the site have been completed and a uniform, perennial vegetative cover with a density of eighty (80) percent has been established or equivalent stabilization measures (such as the use of mulches or geotextiles) have been employed on all unpaved areas and areas not covered by permanent structures.

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

PRE-CONSTRUCTION CERTIFICATIONS
Preparer's Certification

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated in the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. Further, I hereby certify that the SWPPP meets all Federal, State, and local erosion and sediment control requirements and post-construction stormwater management requirements. I am aware that false statements made herein are punishable as a class A misdemeanor pursuant to Section 210.45 of the Penal Law.

Name (please print): Ed Wilkes – Ware Malcomb
Title: Civil Engineering Manager **Date:** 5/25/2024
Address: 45 West 21st Street, 6th Floor, New York, NY 10010
Phone: (848) 999-3987 **Email:** ewilkes@waremalcomb.com

Signature: 

Owner's Certification

"I certify that I am the Owner of this property and understand that "DEVELOPER" is submitting an application in compliance with RCNY Title 15 Chapter 19.1. I have read or been advised of my responsibilities as owner of the property under the rules and believe that I understand them.

Name (please print): Jasmine Baker
Title: Project Manager **Date**
Address: 227 West Monroe Chicago, Illinois 60606
Phone: 312-933-0137 **Email:** jasmine.baker@citi.com

Signature:

Developer's Certification

"I have read or been advised of the applicable sections of RCNY Title 15 Chapter 19.1 and believe that I understand them. I also understand that, under the RCNY I am responsible for submitting a fee to initiate review of this application. I hereby certify that this document and the corresponding documents were prepared under my direction or supervision. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. I further understand that I will receive an MS4 SWPPP acceptance form or a Notice of Rejection as a result of submitting this application and the review can be as long as forty-five (45) calendar days as provided for in the RCNY. I also understand that, by submitting this application, I am acknowledging that the SWPPP has been developed and will be implemented as the first element of construction.

Name (please print): Jasmine Baker
Title: Project Manager **Date:**
Address: 227 West Monroe Chicago, Illinois 60606
Phone: 312-933-0137 **Email:** jasmine.baker@citi.com

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

Signature: _____

Qualified Professional's (Design) Credentials & Certification

"I hereby certify that the Stormwater Pollution Prevention Plan (SWPPP) for this project has been prepared in accordance with the RCNY Title 15 Chapter 19.1 and terms and conditions of the most recent NYSDEC SPDES General Permit for Stormwater Discharges from Construction Sites. Furthermore, I understand that certifying false, incorrect or inaccurate information is a violation of this permit and the laws of the City New York and could subject me to criminal, civil and/or administrative proceedings."

Name (please print): Ed Wilkes – Ware Malcomb
Title: Civil Engineering Manager **Date:** 5/25/2024
Address: 45 West 21st Street, 6th Floor, New York, NY 10010
Phone: 848) 999-3987 **Email:** ewilkes@waremalcomb.com

Signature: EWJ

Qualified Professional's (Inspection) Credentials & Certification

"I hereby certify that I meet the criteria set forth in the SWPPP to conduct site inspections for this project and that appropriate erosion and sediment controls described in the SWPPP and as described in the following Pre-Construction Site Assessment Checklist have been adequately installed or implemented, ensuring the overall preparedness of this site for the commencement of construction."

Name (please print): _____
Title: _____ **Date:** _____
Address: _____
Phone: _____ **Email:** _____

Signature: _____

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

APPENDIX B

Construction Duration Inspections

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

CONSTRUCTION DURATION INSPECTIONS

Directions:
Inspection Forms will be filled out during the entire construction phase of the project.
Required Elements:

(1) On a site map, indicate the extent of all disturbed site areas and drainage pathways. Indicate site areas that are expected to undergo initial disturbance or significant site work within the next 14-day period;

(2) Indicate on a site map all areas of the site that have undergone temporary or permanent stabilization;

(3) Indicate all disturbed site areas that have not undergone active site work during the previous 14-day period;

(4) Inspect all sediment control practices and record the approximate degree of sediment accumulation as a percentage of sediment storage volume (for example, 10 percent, 20 percent, 50 percent);

(5) Inspect all erosion and sediment control practices and record all maintenance requirements such as verifying the integrity of barrier or diversion systems (earthen berms or silt fencing) and containment systems (sediment basins and sediment traps). Identify any evidence of rill or gully erosion occurring on slopes and any loss of stabilizing vegetation or seeding/mulching. Document any excessive deposition of sediment or ponding water along barrier or diversion systems. Record the depth of sediment within containment structures, any erosion near outlet and overflow structures, and verify the ability of rock filters around perforated risers pipes to pass water; and

(6) Immediately report to the Operator any deficiencies that are identified with the implementation of the SWPPP.

(7) Maintain onsite a record of all inspection documents and reports.

The qualified inspector shall follow this checklist in it's entirety. For daily inspections performed by the trained contractor, please follow checklist items with "(**Trained Contractor)"** adjacent to them. The trained contractor must document (e.g., log), these daily inspections. If deficiencies are identified, the contractor shall begin implementing corrective actions within one business day and shall complete the corrective actions in a reasonable time frame.

Reason for Inspection

- **[ ]** Daily Trained Contractor Inspection
- **[ ]** 7-Day/Weekly Inspection
- **[ ]** Twice Every 7 Days Inspection
- **[ ]** 30-Day Inspection
- **[ ]** Under Temporary Shutdown
- **[ ]** Inspection After Rainfall

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

Current Phase of Construction

Deficiencies and Corrective Actions Addressed

Time and Date of Inspection

Weather and Soil Conditions

Condition of Natural Surface Waterbodies Within or Adjacent to Property Boundaries

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

SITE PLAN/SKETCH

Inspector (Print name)	Date of Inspection
Qualified Professional (print name)	Qualified Professional Signature

The above signed acknowledges that, to the best of his/her knowledge, all information provided on the forms is accurate and complete.

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

Maintaining Water Quality

Yes	No	N/A	
[ ]	[ ]	[ ]	Is there an increase in turbidity causing a substantial visible contrast to natural conditions? (**Trained Contractor)**
[ ]	[ ]	[ ]	Is there residue from oil and floating substances, visible oil film, or globules or grease?
[ ]	[ ]	[ ]	All disturbance is within the limits of the approved plans. (**Trained Contractor)**
[ ]	[ ]	[ ]	Have receiving lake/bay, stream, and/or wetland been impacted by silt from the project?

Housekeeping

General Site Conditions

Yes	No	N/A	
[ ]	[ ]	[ ]	Is construction site litter and debris appropriately managed? (**Trained Contractor)**
[ ]	[ ]	[ ]	Are facilities and equipment necessary for implementation or erosion and sediment control in working order and/or properly maintained?
[ ]	[ ]	[ ]	Is construction impacting the adjacent property?
[ ]	[ ]	[ ]	Is dust adequately controlled? (**Trained Contractor)**

Runoff Control Practices

Excavation Dewatering

Yes	No	N/A	
[ ]	[ ]	[ ]	Upstream and downstream berms (sandbags, inflatable dams, etc.) are installed per plan.
[ ]	[ ]	[ ]	Clean water from upstream pool is being pumped to the downstream pool.
[ ]	[ ]	[ ]	Sediment laden water from work area is being discharged to a silt-trapping device. (**Trained Contractor)**
[ ]	[ ]	[ ]	Constructed upstream berm with one-foot minimum freeboard.

Soil Stabilization

Topsoil and Spoil Stockpiles

Yes	No	N/A	
[ ]	[ ]	[ ]	Stockpiles are stabilized with vegetation and/or mulch.
[ ]	[ ]	[ ]	Sediment control is installed at the toe of the slope.

Revegetation

Yes	No	N/A	
[ ]	[ ]	[ ]	Temporary seedings and mulch have been applied to idle areas.
[ ]	[ ]	[ ]	4 inches minimum of topsoil has been applied under permanent seedings.

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

Sediment Control Practices

Stabilized Construction Entrance

Yes	No	N/A	
[ ]	[ ]	[ ]	Stone is clean enough to effectively remove mud from vehicles. (**Trained Contractor)**
[ ]	[ ]	[ ]	Installed per standards and specifications?
[ ]	[ ]	[ ]	Does all traffic use the stabilized entrance to enter and leave site?
[ ]	[ ]	[ ]	Is adequate drainage provided to prevent ponding at entrance? (**Trained Contractor)**

Silt Fence

Yes	No	N/A	
[ ]	[ ]	[ ]	Installed on Contour, 10 feet from toe of slope (not across conveyance channels).
[ ]	[ ]	[ ]	Joints constructed by wrapping the two ends together for continuous support.
[ ]	[ ]	[ ]	Fabric buried 6 inches minimum. (**Trained Contractor)**
[ ]	[ ]	[ ]	Post are stable, fabric is tight and without rips or frayed areas. Sediment accumulation is ___% of design capacity. (**Trained Contractor)**

Storm Drain Inlet Protection

(Use for Stone & Block, Filter Fabric, Curb, or Excavated practices)

Yes	No	N/A	
[ ]	[ ]	[ ]	Installed concrete blocks lengthwise so open ends face outward, not upward.
[ ]	[ ]	[ ]	Placed wire screen between No. 3 crushed stone and concrete blocks.
[ ]	[ ]	[ ]	Drainage area is 1 acre or less.
[ ]	[ ]	[ ]	Excavated area is 900 cubic feet.
[ ]	[ ]	[ ]	Excavated side slopes should be 2:1.
[ ]	[ ]	[ ]	2” x 4” frame is constructed and structurally sound.
[ ]	[ ]	[ ]	Posts 3-foot maximum spacing between posts.
[ ]	[ ]	[ ]	Fabric is embedded 1 to 1.5 feet below ground and secured to frame/posts with staples at max 8-inch spacing.
[ ]	[ ]	[ ]	Posts are stable, fabric is tight and without rips or frayed areas. Sediments accumulation ___% of design capacity.

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

Winter Stabilization

Yes	No	N/A	
[ ]	[ ]	[ ]	Is snow management plan being followed? (**Trained Contractor)**
[ ]	[ ]	[ ]	Ensure 25-foot buffer from perimeter controls such as silt fence is maintained. Mark silt fence with stakes that are visible above snowpack.
[ ]	[ ]	[ ]	Ensure drainage structures are free of snow and ice dams. All debris from plowing operations that restrict flow of runoff shall be removed. (**Trained Contractor)**
[ ]	[ ]	[ ]	Silt fence and other practices requiring earth disturbance must be installed before the ground freezes

Dust Control

Yes	No	N/A	
[ ]	[ ]	[ ]	Is mulch and/or erosion control blankets being utilized on-site?
[ ]	[ ]	[ ]	If spray adhesives are used in non-driving & driving disturbed area, ensure mixing ratios and application rates are in accordance with manufacturer's recommendations for specific soils on site.
[ ]	[ ]	[ ]	In no case shall spray adhesives be applied on wet soils or if there is a probability of precipitation within 48-hrs. (**Trained Contractor)**
[ ]	[ ]	[ ]	Are driving areas being sprinkled for short term dust control? (**Trained Contractor)**

Geotextile Filter Bag

Yes	No	N/A	
[ ]	[ ]	[ ]	Is filter bag located in an area to minimize interference with construction activities and pedestrian traffic? Should be placed in level and vegetated area, at least 50-ft from wetlands.
[ ]	[ ]	[ ]	Is geotextile filter bag sized in accordance with manufacturers recommendations based on pump rate?
[ ]	[ ]	[ ]	Are materials and installation in accordance with NYS Erosion and Standards and Specifications?
[ ]	[ ]	[ ]	When remaining bag flow area has been reduced by 75% ensure bag is replaced with new bag. (**Trained Contractor)**

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

Concrete Truck Washout

Yes	No	N/A	
[ ]	[ ]	[ ]	Are washout facilities being inspected daily? Damaged or leaking facilities shall be deactivated and repaired or replaced immediately. (**Trained Contractor)**
[ ]	[ ]	[ ]	Accumulated hardened material shall be removed when 75% of the storage capacity of the structure is filled. Any excess wash water shall be pumped into a containment vessel and properly disposed of off site.
[ ]	[ ]	[ ]	Dispose hardened material off-site in a construction/demolition landfill.
[ ]	[ ]	[ ]	Plastic Liner shall be replaced with each cleaning of the washout facility.
[ ]	[ ]	[ ]	Inspect project site frequently to ensure that no concrete discharges are taking place in non-designated areas.

Note: Not all erosion and sediment control practices are included in this listing. Add additional pages to this list as required by site specific design. Construction inspection checklists for post-development stormwater Management practices can be found in Appendix F of the New York Stormwater Management Design Manual.

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

CONSTRUCTION DURATION INSPECTIONS

Modifications to the SWPPP (To be completed as described below)

The Operator shall amend the SWPPP whenever:

14. There is a significant change in design, construction, operation, or maintenance which may have a significant effect on the potential for the discharge of pollutants to the waters of the United States and which has not otherwise been addressed in the SWPPP; or
15. The SWPPP proves to be ineffective in;
    a. Eliminating or significantly minimizing pollutants from sources identified in the SWPPP and as required by this permit; or
    b. Achieving the general objectives of controlling pollutants in stormwater discharges from permitted construction activity; and
16. Additionally, the SWPPP shall be amended to identify any new contractor or subcontractor that will implement any measure of the SWPPP.

Modification & Reason:

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

APPENDIX C

Monthly Summary Reports

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

Monthly Summary of Site Inspection Activities

Name of Facility:	**Today's Date:**	**Reporting Month:**
Location:		
Name and Telephone Number of Site Inspector:		

Date Of Inspection	Regular / Rainfall Based Inspection	Name of Inspector	Items of Concern

Qualified Professional's Certification:

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that false statements made herein are punishable as a class A misdemeanor pursuant to Section 210.45 of the Penal Law."

Qualified Professional (print name)

Qualified Professional Signature

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

APPENDIX D

Contractor's Certifications and Forms

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

CONTRACTOR'S CERTIFICATION STATEMENT

I. SITE INFORMATION

Construction Site Name: 3750 Millersport Highway

Site Location: 3750 Millersport Highway, Amherst, NY 14228

II. CONTRACTORS INFORMATION

Contracting Firm: TBD

Contracting Firm Address:

Telephone Number(s): _____

Contact(s): 1) _____

2) _____

III. STORMWATER MEASURES

Contractor is responsible for all stormwater pollution prevention measures described within the SWPPP and Erosion and Sediment Control Plan, but not limited to the following storm water measures.

1. _____	4. _____	7. _____
2. _____	5. _____	8. _____
3. _____	6. _____	9. _____

IV. CERTIFICATION

"I certify under penalty of law that I understand and agree to comply with the terms and conditions of the SWPPP for the construction site identified in such SWPPP as a condition of authorization to discharge storm water. I also understand that the operator must comply with the terms and conditions of the New York State Pollutant Discharge Elimination System (SPDES) general permit for stormwater discharges from construction activities and that it is unlawful for any person to cause or contribute to a violation of water quality standards."

V. SIGNATURE: _____ **Date:** _____

Name (print): _____

Title: _____

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

SUBCONTRACTOR'S CERTIFICATION STATEMENT

I. SITE INFORMATION

Construction Site Name: 3750 Millersport Highway

Site Location: 3750 Millersport Highway, Amherst, NY 14228

II. CONTRACTORS INFORMATION

Contracting Firm: _____

Contracting Firm Address: _____

Telephone Number(s): _____

Contact(s): 1) _____

2) _____

III. STORMWATER MEASURES

Subcontractor is responsible for all stormwater pollution prevention measures described within the SWPPP and Erosion and Sediment Control Plan, but not limited to the following storm water measures.

1. _____	4. _____	7. _____
2. _____	5. _____	8. _____
3. _____	6. _____	9. _____

IV. CERTIFICATION

"I certify under penalty of law that I understand and agree to comply with the terms and conditions of the SWPPP for the construction site identified in such SWPPP as a condition of authorization to discharge storm water. I also understand that the operator must comply with the terms and conditions of the New York State Pollutant Discharge Elimination System (SPDES) general permit for stormwater discharges from construction activities and that it is unlawful for any person to cause or contribute to a violation of water quality standards."

V. SIGNATURE: _____ **Date:** _____

Name (print): _____

Title: _____

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

CERTIFICATE OF ISSUANCE

As directed by the operator, a copy of the SWPPP will be retained at the site, along with all signed statements, reports and schedules contained herein for completion by the contractor. Upon completion, the SWPPP and all records shall be returned to the operator.

Date of issuance: _____

Name: _____

Title: _____

Firm: _____

Signature: _____

Received from:

Name / Title: Ed Wilkes – Ware Malcomb / Civil Engineering Manager

Address / Phone No: 45 West 21st Street, 6th Floor, New York, NY 10010

(848) 999-3987

Signature: _____

Inquiries in regards to copies of SWPPP by either the State Director or any local agency having jurisdiction to be directed to owner's project representative.

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

EROSION AND WATER QUALITY CONTROL IDENTIFICATION

The contractor and/or subcontractors that will implement each erosion control measure must be identified:

IDENTIFICATION

NAME OF CONTRACTOR AND/OR SUBCONTRACTOR	MEASURE TO BE IMPLEMENTED

Each contractor and subcontractor identified must sign a copy of the certification statement.

This identification does not reassign or remove responsibility for all measures as agreed to the contract documents. The contractor is responsible for all subcontractors.

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

CONSTRUCTION STABILIZATION

The contractor shall initiate stabilization measures as soon as practicable in portions of the site where construction activities have temporarily or permanently ceased, but in no case more than 7 days after the construction activity in that portion of the site has temporarily or permanently ceased. When construction activity is precluded by snow cover, stabilization measures shall be initiated as soon as practicable. When construction activity will resume within 21 days from when activity ceased, then stabilization measures do not have to be initiated on that portion of the site by the 14th day after construction activity temporarily ceased.

THE CONTRACTOR IS RESPONSIBLE TO KEEP THE FOLLOWING RECORDS:

MAJOR GRAVITY ACTIVITY	PORTION OF THE SITE	DATE COMMENCED	DATE CEASED (PERMANENTLY OR TEMPORARILY)	DATE STABILIZATION MEASURES INITITATED

THESE MUST BE KEPT UP TO DATE AND ON-SITE FOR INSPECTION AT ANYTIMECERTIFICATE OF CHANGE BY THE CONTRACTOR

To: _____

_____

_____

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

Project: _____

Site Address: _____
_____

Enclosed, please find your written notification of the following provision(s) of the SWPPP not being met:

_____
_____
_____

Provisions of the plan requiring modification:

_____
_____
_____

Action taken to modify plan to bring project into compliance:

_____
_____
_____

Date Completed: _____

Received By:

Name: _____ Name: _____

Title: _____ Title: _____

Contracting Firm: _____ Contracting Firm: _____

Address: _____ Address: _____
_____ _____
_____ _____

Phone Number: _____ Phone Number: _____

Signature: _____ Signature: _____

Note: Plan amendments – major and minor need to be filed on-line. Major amendments include changes to structural components that would require design review. All others shall be filed, but will not require review.

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

APPENDIX E

End of Construction Documents

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

FINAL STABILZATION AND RETENTION OF RECORDS

A. Qualified Professional Certification: A qualified professional shall perform a final site inspection.

Yes	No	N/A	
[ ]	[ ]	[ ]	Final site drainage will prevent erosion, concentrated flows to adjacent properties, uncontrolled overflow, and ponding.
[ ]	[ ]	[ ]	Conveyance systems are stabilized.
[ ]	[ ]	[ ]	Channels and stream banks are seeded at the outlet points.

"I hereby certify that the site has undergone final stabilization. Final stabilization means that all soil disturbing activities have been completed and a uniform, perennial vegetative cover with a density of eighty (80) percent has been established or equivalent stabilization measures (such as the use of mulches or geotextiles) have been employed on all unpaved areas and areas not covered by permanent structures. Further, all temporary erosion and sediment controls (such as silt fence) not specified for permanent erosion control have been removed."

Name of Qualified Professional: _____

Signature: _____

B. Retention of Records: The operator shall retain copies of SWPPPs, all reports, and records of all data for a period of at least three years from the date that the site is finally stabilized.

C. Maintenance of SWPPP and Reports at the Construction Site: The operator shall retain a copy of the SWPPP at the construction site from the data of initiation of construction activities to the date of final stabilization.

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

POST-CONSTRUCTION STORMWATER MANAGEMENT FORM

A. Qualified Professional Certification: A qualified professional shall certify to the installation of all SMPs.

"I hereby certify that all post-construction stormwater management practices have been constructed in conformance with the SWPPP. Furthermore, I understand that certifying false, incorrect or inaccurate information is a violation of the referenced permit and the laws of the City and State of New York and could subject me to criminal, civil and/or administrative proceedings".

Name of Qualified Professional: _____

Signature: _____

B. Retention of Records: The developer shall retain copies of SWPPPs, all reports, and records of all data for a period of at least five years from the date that the site is finally stabilized.

C. Maintenance of SWPPP and Reports at the Construction Site: The operator shall retain a copy of the SWPPP at the construction site from the data of initiation of construction activities to the date of final stabilization.

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

CERTIFICATE OF RETURN

As directed by the owner's representative, the copy of the storm water pollution prevention plan retained at the site, along with all signed statements, reports and schedules contained herein for completion by the contractor are to be returned to the owner. The owner shall retain the plan, reports and records of all data for a period of three years from the date that the site is stabilized. This period may be extended by the State director at any time upon written notification.

Date of issuance: _____

Name: _____

Title: _____

Firm: _____

Signature: _____

Received by:

Name / Title: _____

Address / Phone No: _____

_____

Signature: _____

Inquiries in regards to copies of pollution prevention plan by either the State Director or any local agency having jurisdiction to be directed to owner's project representative.

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

APPENDIX F

Operations & Maintenance Manual

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

APPENDIX G

Notice of Intent Form (SWPTS eFiling)

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

GLYNN GROUP
ENGINEERING & ARCHITECTURE, PLLC

Civil • Geotechnical
Structural • Architecture
Material Testing • Consulting

Crosspoint Business Park Expansion
Amherst, New York

Preliminary Geotechnical Engineering Report

GGEA 19-1065

Prepared for:
Kimley - Horn
200 South Tryon Street, Suite 200
Charlotte, North Carolina 28202

Prepared by:
Glynn Group Engineering & Architecture, PLLC
415 South Transit Street
Lockport, New York 14094





5.17.19

May 16, 2019

GLYNN GROUP ENGINEERING & ARCHITECTURE, PLLC
415 South Transit Street, Lockport, New York 14094
voice 716.625.6933 / fax 716.625.6983
www.glynngroup.com

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

TABLE OF CONTENTS

1.0 INTRODUCTION
- 1.1 Scope
- 1.2 Contract
- 1.3 Exclusions

2.0 PROJECT BACKGROUND
- 2.1 Site Description and Proposed Development
- 2.2 Geologic Setting

3.0 FIELD INVESTIGATION AND ANALYSIS
- 3.1 Methodology
- 3.2 Subsurface Conditions
- 3.3 Groundwater
- 3.4 Laboratory Testing

4.0 GEOTECHNICAL EVALUATION AND RECOMMENDATIONS
- 4.1 Foundations
- 4.2 Slab on Grade
- 4.3 Flexible Pavement
- 4.4 Excavation, Stormwater Detention and Backfill
- 4.5 Expansive Soil Mitigation
- 4.6 Liquefaction Mitigation
- 4.7 Settlement
- 4.8 Seismic Site Class and Design Category
- 4.9 General Construction Recommendations
- 4.10 Conclusion

APPENDICES

- A Subsurface Investigation Logs
- B Project Location Plan
- C Soil Boring Location Plan
- D Laboratory Analysis
- E Seismic Site Class and Design Category

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

1.0 INTRODUCTION

1.1 SCOPE

This report provides subsurface investigation data and geotechnical recommendations for the proposed addition to 580 Crosspoint Parkway and associated parking lot development at 3750 Millersport Highway in the Town of Amherst, New York. Specifically, Glynn Group Engineering & Architecture, PLLC (GGEA) has provided the following scope of services:

1. Performed a site visit and establish a total of six (6) soil boring locations, with one boring located within the footprint of the proposed building and the remaining borings located in the proposed parking area.

2. Cleared underground utilities with Dig Safely New York.

3. Mobilized drilling subcontractor, Earth Dimensions, Inc. (EDI) with ATV drill rig and crew.

4. Provided SPT soil sampling in accordance with ASTM D-1586 "Standard Test Method for Penetration Test and Split-Barrel Sampling of Soils". One soil boring was advanced to auger refusal on bedrock with a 5 foot rock core. The remaining borings were advanced to a depth of 10 feet each.

5. Provided soil boring logs, prepared by EDI, to include SPT data, N values, soil classification, refusal depth and encountered groundwater conditions.

6. Provided in house laboratory testing of select recovered soil samples to include natural moisture content, grain size analysis, liquid limit and plasticity index.

7. Prepared a preliminary geotechnical report in accordance with the 2015 International Building Code (IBC) to include foundation recommendations, allowable bearing capacity, total and differential settlement, seismic site class and design category, backfill recommendations, groundwater mitigation, expansive soil mitigation, liquefaction mitigation, slab on grade, pavement and construction recommendations.

1.2 CONTRACT

GGEA performed this study in accordance with a written proposal to Kimley-Horn dated January 14, 2019. Subsequently, Kimley-Horn of New York, PC (KHNY) issued a Standard Agreement for Services on April 5, 2019, for which GGEA received a signed copy from Mr. Adam Gibson of KHNY on April 9, 2019. All services provided by GGEA are subject to the Standard Terms and Conditions included in the GGEA January 14, 2019 geotechnical proposal.

1.3 EXCLUSIONS

The project efforts exercised by GGEA include soil borings, preliminary geotechnical analysis, design recommendations and the preparation of this report. The scope of this report specifically excludes any review of former site use, in particular, environmental or pollution related concerns.

2.0 PROJECT BACKGROUND

2.1 SITE DESCRIPTION AND PROPOSED IMPROVEMENTS

The site is located on the west side of Millersport Highway, south of Hopkins Road and north of Crosspoint Parkway. The site encompasses three main parcels, SBL# 28.00-1-58.1 (3750 Millersport Highway), which is located to the east and is primarily undeveloped, SBL# 28.00-1-70, which is located to the west and is covered primarily by asphalt parking, and SBL# 280-155.112, which is located within parcel SBL# 28.00-1-70 and consists of the building at 580 Crosspoint Parkway. All three properties are relatively flat and covered by mowed grass in undeveloped areas. A small wooded area is located at the northeast corner of the 3750 Millersport Highway property. Refer to the Project Location Plan included in Appendix B.

An existing three (3) story building is located at 580 Crosspoint Parkway, which has a footprint of approximately 50,000 square feet and is surrounded by an extensive asphalt parking lot. The proposed construction is to consist of a +/- 15,500 square foot addition to the southeast corner of the existing 580 building. The addition is presumed to not include a basement and have a slab on grade first floor. Once the addition is constructed it will be given an address of 560 Crosspoint Parkway. Supplemental to the building addition, a significant parking expansion is proposed on the SBL# 28.00-1-58.1 parcel to the east of the current parking lot, which is to include 724 new parking spaces and stormwater detention. Refer to the Boring Location Plans S2A and S2B included in Appendix C.

2.2 GEOLOGIC SETTING

The underlying geological conditions at the site are the result of the last glacial advance of the Pleistocene Epoch, referred to as the Wisconsinan Glacial Stage, which ended approximately 12,000 years ago. As the glacier transgressed across Western New York, the massive weight carved and crushed the underlying soil and rock to form glacial till, which typically consists of a dense matrix of silt, sand, rock and clay. Sediments were deposited from the glacial ice and meltwater as glacial drift. As the climate warmed and the glacier melted, vast quantities of meltwater were generated, which became impounded by the receding glacier and local topography to create proglacial lakes throughout much of the area. Sediments were deposited from these lakes in the form of sands, silts and clays. The soils encountered at the Crosspoint property consist of fine grained glacio-lacustrine sediment overlying glacial drift and glacial till. The soils are underlain by calcareous shale bedrock of the upper Silurian Salina Group at a depth of 38 feet below existing grade.

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

3.0 FIELD INVESTIGATION

3.1 METHODOLOGY

The subsurface investigation consisted of one (1) soil boring advanced to auger refusal within the footprint of the proposed addition and five (5) soil borings advanced to a depth of 10.0 feet each throughout the proposed parking area. A 5.0 foot rock core was extracted from boring B-1 once refusal was encountered.

EDI mobilized a tracked mounted ATV drill rig to the site from April 30, 2019 to May 1, 2019 to perform the subsurface investigation. Soil boring and sampling operations were performed using hollow stem augers to advance through overburden materials in accordance with the Standard Penetration Test Method ASTM D-1586. Resistance values, or blow counts, were recorded for each six-inch advancement of a twenty-four inch long, two inch diameter split spoon sampler. N values were calculated based on the sum of the resistance values for the 6/12 and 12/18 inch sample intervals, which provide for an indication of the in-situ relative density and strength of encountered soils. Rock coring was performed in accordance with ASTM D-2113. All data recorded during drilling operations can be found on the soil boring logs included in Appendix A.

Retrieved soil samples were logged and visually classified by EDI in accordance with the ASEE System of Definition for Visual Identification of Soils (Burmister Classification System) and ASTM D-2488 "Standard Practice for Description and Identification of Soils (Visual – Manual Procedure)". Recovered soil samples were visually examined by GGEA to establish Unified Soil Classification System (USCS) classifications in accordance with ASTM D-2488 "Description and Identification of Soils (Visual-Manual Procedure)". Select samples were subjected to laboratory testing to establish USCS classifications in accordance with ASTM D-2487 "Classification of Soils for Engineering Purposes". Discrepancies observed between classifications noted on the EDI soil boring logs and those identified in this report are due to testing and examination in the GGEA laboratory, which allows for the collection of specific gradation and index property data that was not discerned from visual classification in the field.

3.2 SUBSURFACE CONDITIONS

The native subsurface conditions were found to be typical for the area, but vary slightly from boring B-1 located within the proposed building footprint to borings B-2 through B-6 located throughout the proposed parking area. The soils at boring B-1 were found to consist of a thin layer of topsoil overlying sandy silty clay (CL-ML) and sandy silt (ML) fill to a depth of 5.8 feet, followed by native gray poorly graded sand to a depth of 9.8 feet and native lean clay (CL) to a depth of 12.0 feet. Below this depth, the cohesive soils become wet and lose significant strength to a depth of 34.3 feet, where sandy silty clay (CL) glacial drift is encountered overlying silty gravel with sand (GM) glacial till. Subsurface conditions have been summarized at the proposed building footprint as follows:

0.0 – 0.8 ft	Dark brown, loose, moist, topsoil.
0.8 – 3.6 ft	Brown to light brown, moist to extremely moist, firm to hard, sandy silty clay with gravel (CL-ML) FILL. N values range from 8 to 31.
3.6 – 5.8 ft	Gray, moist, compact, clayey gravel with sand (GC) FILL. N value of 25.
5.8 – 9.8 ft	Brown to gray, faintly mottled, moist, compact, silty sand (SM). N values range from 26 to 16.
9.8 – 12.0 ft	Gray, moist, very stiff, lean clay (CL). N value of 25.
12.0 – 18.0 ft	Gray, extremely moist, stiff to firm, lean clay (CL). N values range from 9 to 5.
18.0 – 34.3 ft	Gray, extremely moist to wet, very soft to soft, lean clay (CL). N values range from 1 to 3.
34.3 – 38.0 ft	Gray, extremely moist, firm, sandy silty clay with gravel (CL-ML). N value of 6.
38.0 – 39.0 ft	Gray, extremely moist, very dense, silty gravel with sand (GM). N value of > 50.
39.0 – 44.0 ft	Dark gray, soft, shale bedrock with gypsum seams. RQD = 36 %.

The soils throughout the proposed parking area were typically found to consist of a thin layer of topsoil overlying surficial sandy silt fill and potential buried topsoil followed by compact native silty sand and stiff cohesive soil. Subsurface conditions throughout the proposed parking area have been generalized as follows:

0.0 – 0.5 ft	Dark brown, loose, moist, topsoil.
0.5 – 1.0 ft	Gray, moist to extremely moist, loose, sandy silt (ML) and silty sand (SM) FILL. N value of 8.
1.0 – 1.3 ft	Dark gray, moist, loose, silty sand (SM) FILL, trace of organics, possible buried topsoil.
1.3 – 4.0 ft	Brown and light gray, moist, compact, silty sand (SM). N value of 20.
4.0 – 10.0 ft	Gray, moist, stiff to very stiff, lean clay (CL). N values range from 13 to 23.

It is GGEA's opinion the extent of this investigation was sufficient to accurately characterize the subsurface conditions and provide information necessary for the preparation of this preliminary report. The subsurface conditions identified on the soil boring logs are typical for the East Amherst area, which is known to have soft clay soils of poor structural quality. The soil borings portray the subsurface conditions encountered at the soil boring locations at the time of investigation. The stratification lines shown on the soil boring logs are approximate, whereas in-situ the changes between strata may be more gradual. Specific subsurface conditions can be found on the soil boring logs included in Appendix A.

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

3.3 GROUNDWATER

Groundwater was not measured in the augers upon the completion of drilling efforts. The augers did not remain in the ground for an extended period of time to allow groundwater to migrate through the soils and stabilize within the augers, nor was the installation of groundwater monitoring wells or piezometers included in the scope of this investigation. However, based on the moisture content and strength of recovered soil samples, the stabilized groundwater elevation is estimated at a depth of approximately 12 feet, where soil strength begins to decrease and soil moisture content increases. Perched groundwater should be anticipated within surficial granular soil strata during seasonal wet periods and after storm events.

3.4 LABORATORY TESTING

A total of three (3) soil samples were selected for geotechnical laboratory testing to establish USCS classifications and index properties for native soils. Testing consisted of Grain Size Analysis (ASTM D-422), Atterberg Limits (ASTM D-4318) and Natural Moisture Content (ASTM D-2216). Specific laboratory test reports have been included in Appendix D. Laboratory test results have been summarized in the following table:

Lab No.	Boring No.	Depth (ft)	USCS	NMC (%)	LL	PL	PI
19-01	B-1-19	0.8 - 5.8	GC	12.2	26	16	10
19-02	B-1-19	5.8 - 8.0	SM	22.1	NV	NP	NP
19-03	B-1-19	12.0 - 16.0	CL	35.6	47	23	24

USCS = Unified Soil Classification System
NMC = Natural Moisture Content
LL = Liquid Limit
PL = Plastic Limit
PI = Plasticity Index
NP = Non-Plastic
NV = Non-Viscous

4.0 GEOTECHNICAL EVALUATION AND RECOMMENDATIONS

4.1 FOUNDATIONS

The soft to very soft cohesive soils encountered at this site below a depth of approximately 15 feet provide significant limitations to the construction of a shallow foundation system due to the potential for long term consolidation settlement. GGEA provides preliminary recommendations and limitations for shallow foundation design as follows:

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

1. Foundation design should be predicated on a net allowable bearing capacity not to exceed 2,000 psf.

2. Dimensions for continuous strip footings and square spread footings should be designed to limit significant load distribution into soft clay soils. The foundation design should include an evaluation of Boussinesq pressure isobars to ensure the majority of the load transmitted is contained within the upper soils of good structural quality (i.e., within 15 feet of the ground surface).

3. Once foundation loads are established, a detailed settlement analysis should be performed based on the soil boring and laboratory data provided herein. Furthermore, additional sampling and testing should be considered, including the extraction of undisturbed Shelby Tube samples of soft cohesive soils and triaxial shear and/or consolidation analysis.

4. Foundation excavations should be advanced through existing topsoil, buried topsoil and fill materials to engage competent undisturbed, native soil. Based on conditions encountered at soil boring B-1, foundation excavations should be advanced to a minimum depth of 5.8 feet below existing grade to engage native soils. The foundation subgrade may be reconstructed to a higher design bearing elevation using properly placed engineered fill.

5. Control of perched groundwater may be necessary during construction and should be provided through the use of temporary sumps and suction pumps.

6. Once excavation has been completed to the design bearing elevation, the foundation subgrade should be compacted to ensure the densification of any loose material that may have been disturbed during the excavation process. Compaction can be performed by "knuckling" with the underside of the excavator bucket. Densification of the subgrade will assure the development of the anticipated bearing strength and reduce settlement potential.

7. Foundations should be constructed to bear at a minimum depth of > 3.5 feet below final grade to provide frost protection in accordance with regional frost depth regulations.

Confining building loads to the shallow foundation design criteria established above may prove difficult, especially if the addition is to match the three story height of the existing building. In the event shallow foundations cannot be designed to the constraints established above, or supplemental testing and settlement analysis yields unacceptable settlement results, a deep foundation system consisting of drilled concrete shafts installed to rock, steel H-piles driven to rock or helical screw anchors installed into glacial till should be considered. Furthermore, investigation into the performance of the foundation system supporting the existing building should be performed. Selection of the foundation system for the proposed addition should consider (1) the foundation system beneath the existing building, (2) if that system has experienced unacceptable settlement and (3) how new foundations may influence or be influenced by the existing foundation system.

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

4.2 SLAB ON GRADE

Although the building may be supported by deep foundations, the subsurface conditions will provide for standard slab on grade construction pending the slab is not subjected to excessive loading. The building interior slab on grade should be designed and constructed in accordance with the following recommendations:

1. All slabs should be designed using a recognized standard procedure, such as identified in the text "Designing Floor Slabs on Grade" by Ringo and Anderson (ISBN 0-924659-34-3). The floor slab should be designed to properly support the intended fork truck traffic, rack post loading or intended usage.
2. Remove topsoil and poor quality subsoil. Existing fill soils may remain if free of organic or deleterious materials. The removal of +/- 2.0 feet of subsoil may be required to engage competent subgrade.
3. Compact the exposed subgrade thoroughly with a smooth drum vibratory roller to produce a uniform density throughout the subgrade.
4. Proof roll the exposed subgrade with a fully loaded 10-wheel dump truck weighing at least 30 tons or a smooth drum roller having an effective force of at least 600 pounds per linear inch of roller width. Any area exhibiting weaving, yielding, rutting or boiling should be reworked and compacted to produce an acceptable response *or* over excavated and replaced with structural fill. The depth of the undercut and type of soil fill will depend on the soil material encountered, weather conditions and the bearing conditions at the base of the undercut. The top surface of the subgrade should be pitched to drain to prevent ponding of stormwater.
5. Install Structural Fill to achieve the design subgrade elevation.
6. Separation geotextile is not required for design, but is suggested to prevent contamination of the granular stone base from underlying soil subgrade as a result of repeated traffic during construction. Any granular stone base that becomes contaminated with soil during construction should be removed and replaced prior to pouring concrete. GGEA recommends US Fabrics US 250 or equivalent.
7. Place Select Structural Fill granular base. The thickness of the Select Structural Fill should be dependent upon the intended slab usage. At a minimum, GGEA recommends the granular base thickness be equivalent to that of the thickness of the slab. Heavily loaded slabs may require additional thickness.
8. Install subsurface utilities.
9. Install the concrete slab, which should be designed based on a subgrade reaction modulus of 125 pci. The subgrade reaction modulus may be increased depending on the installed thickness of Select Structural Fill. The use of a vapor barrier and specification of the concrete finish technique is at the discretion of the architect.

10. Proper joint spacing and reinforcing steel spacing/placement will be critical to the long term performance of slab. The Portland Cement Association recommends joint spacing in feet should be two to three times the slab thickness in inches.

4.3 FLEXIBLE PAVEMENT

GGEA provides design and construction recommendations for flexible pavement as follows:

1. Remove existing topsoil to expose competent, undisturbed native subgrade soil. Considering the existing fill soils and dark slightly organic subsoil (possibly buried topsoil) encountered at borings B-2, B-4 and B-6, the removal of +/- 2.0 feet of subsoil may be required to engage competent subgrade. GGEA recommends performing a series of test pits prior to performing stripping operations.
2. Compact the exposed subgrade thoroughly with a smooth drum vibratory roller to produce a uniform density throughout the subgrade.
3. After the exposed subgrade is thoroughly densified, proof roll the subgrade with a fully loaded 10-wheel dump truck weighing at least 30 tons or a smooth drum roller having an effective force of at least 600 pounds per linear inch of roller width. Any area exhibiting weaving, yielding, rutting or boiling should be reworked and compacted to produce an acceptable response *or* over excavated and replaced with structural fill. The depth of the undercut and type of soil fill will depend on the soil material encountered, weather conditions and the bearing conditions at the base of the undercut. The top surface of the subgrade should be pitched to drain to prevent ponding of stormwater.
4. Install structural fill (if necessary) to achieve the design subgrade elevation.
5. If the design dictates, install ditches, lateral drains, weeps and storm drainage piping.
6. Install a granular base layer composed of properly placed and compacted Select Structural Fill. GGEA recommends a minimum granular base thickness of 10 inches for automobile traffic and 12 inches for bus or truck traffic.
7. If catch basins are installed, special attention should be directed at the compaction of stone around the catch basins and the pipes. Failure to properly compact the stone will result in pavement settlement around the catch basins and ponding of water.
8. Construct a flexible pavement system consisting of asphalt binder followed by asphalt top. GGEA provides recommended pavement sections as follows:

    Light Duty (primarily car traffic)
    - 10 inches select structural fill
    - 2.5 inches of asphalt concrete binder (2008 NYSDOT item number 403.138902)
    - 1.0 inch of asphalt concrete top (2008 NYSDOT item number 403.178902 or 403.198902)

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

Heavy Duty (mixed truck/bus and car traffic)
12 inches select structural fill
3.0 inches of asphalt concrete binder (2008 NYSDOT item number 403.138902)
1.5 inch of asphalt concrete top (2008 NYSDOT item number 403.178902 or 403.198902)

The native subgrade soils may become soft if exposed to moisture, which will contaminate the overlying select structural fill over time through repeated loading. The installation of a separation geotextile will provide additional support and should be considered, especially if the granular base will be used as a working surface during construction. GGEA recommends US 200 beneath light duty pavement and US 250 beneath heavy duty pavement, both of which are manufactured by US Fabrics.

All site contractors should be notified that roadways and parking areas will not support repeated travel by construction loads. Pavement and subgrade failure can be anticipated in areas that receive a high volume of heavy construction traffic. To preclude the overstressing of the pavement system it is recommended that haul roads be located in non-critical areas. As an option, the base course of stone can be overbuilt to a total thickness of 20 inches to serve as a haul route. The additional thickness of stone should be removed prior to paving along with any areas of stone that have been contaminated with soil. Failure to remove fine-grained soils from the stone base may cause pavement distress in the form of heaving resulting from freeze thaw effects.

In the event the binder layer is used as a working surface during construction or there is a prolonged time period between binder and top placement such that daily activities occur over the binder surface, the surface must be power washed, not just swept, and a tack coat should be applied prior to installation of the top course. In addition, any yielding area of pavement binder should be removed and replaced prior to application of the top course.

Design and construction of the pavement system should take care to provide adequate drainage to prevent saturation of the subgrade soil, which may have a high silt content in some areas and provide a high potential for frost heave if exposed to water and freezing temperatures.

4.4 EXCAVATION, STORMWATER DETENTION AND BACKFILL

Excavation within the construction depths of this project is anticipated to require minimal effort from standard excavation equipment. Installation effort for deep foundations will increase significantly below a depth of +/- 34 feet once glacial drift and till soils are penetrated.

Boring B-6 was located within the footprint of the proposed storm detention pond. Construction of the basin will require lining of the upper portion with a compacted low permeability cohesive soil or geosynthetic material due to the silty sand (SM) soil encountered within 4.0 feet of the ground surface. This soil exhibits a high permeability and will result in seepage of detained stormwater beneath the

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

proposed parking area if the upper portion of the basin is not properly lined. The underlying low permeability lean clay (CL) will provide an adequate low permeability basin for stormwater detention and can be used as a liner throughout the upper 4.0 feet.

The soil encountered at this site should be classified by an OSHA competent person in accordance with 29 CFR, Part 1926, OSHA Subpart P, "Excavations and Trenches" prior to and during excavation. GGEA has preliminarily classified the soils as Type C over Type A. However, this classification may change depending on other site criteria and moisture conditions at the time of construction. An OSHA competent person should judge the potential need for excavation bracing and excavation geometry in the field.

Engineered fill materials are defined as follows:

- Select Structural Fill (SSF) is defined as run of crusher stone or gravel in compliance with NYSDOT Item Number 304.12 (Subbase Course Type 2) or NYSDOT Item Number 304.14 (Subbase Course Type 4). Fill should be placed in lifts with a loose thickness of 9 inches and compacted to 95 % of modified proctor density (ASTM D 1557) within 2% of optimum moisture content.
- Controlled Low Strength Material (CLSM), commonly referred to as flowable fill, is typically a fly ash based pozzolanic fill manufactured by local concrete plants. A specific mix design should be provided by the manufacturer and reviewed/approved by the project design professional prior to placement. CLSM should have a minimum 28-day compressive strength of 100 psi and may include fine aggregate materials. The material should be placed in separate lifts not to exceed 30 inches in depth and each lift should be allowed to fully cure (monitor for shrinkage and/or desiccation) prior to placing subsequent lifts or constructing the foundation. CLSM should not be used within 42 inches of final grade due to potential freeze/thaw susceptibility and should not be used if the excavation contains standing water or is subject to water infiltration.
- Structural Fill (SF) is defined as soil materials with the exception of those classified as CH, MH, OH, OL, ML and CL-ML. Pending proper moisture conditioning, stockpiling and blending, native soils may be used for structural fill. Fill should be placed in lifts with a loose thickness of 9 inches and compacted to 95 % of modified proctor density (ASTM D 1557) within 2% of optimum moisture content.
- Engineered Fill – SSF or CLSM.
- Common Fill is defined as soil materials with the exception of those classified as CH, MH, OH and OL. Existing site soils may be used as common fill. The fill should be placed in maximum 12 inch lifts and compacted to 90 % modified proctor density (ASTM D-1557) at a moisture content within 2 % of optimum. The soil material should free of organics or other deleterious materials.

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

Shallow foundations should be backfilled once the frost wall concrete has achieved a nominal compressive strength. The initial lift of backfill placement should be on the outside of the wall, with subsequent lifts balanced along the interior and exterior of the wall perimeter. Foundations should be backfilled with properly placed and compacted Structural Fill and Select Structural Fill in structurally loaded areas (pavement, sidewalk, interior backfill) and Common Fill in non-structural landscaped areas. Select Structural Fill should be used for the upper 12 inches in structurally loaded areas. In place density testing should be performed at a rate of one test per 50 feet of trench or 2500 square feet of area per lift with a minimum of one test per day of placement.

Engineering properties for compacted native soils and Select Structural Fill have been estimated as follows:

Native silty sand (SM), compacted

moist unit weight = 120 pcf

friction angle = 34^0

Rankine theory
- at rest pressure coefficient (Ko) = 0.44
- active pressure coefficient (Ka) = 0.28
- passive pressure coefficient (Kp) = 3.54

2015 IBC Table 1610.1 Lateral Soil Load
- at rest pressure = 60 psf/ft of depth
- active pressure = 45 psf/ft of depth

Select Structural Fill (GW)

moist unit weight = 145 pcf

friction angle = 40 degrees

Rankine theory
- at rest pressure coefficient (Ko) = 0.36
- active pressure coefficient (Ka) = 0.22
- passive pressure coefficient (Kp) = 4.60

2015 IBC Table 1610.1 Lateral Soil Load
- at rest pressure = 60 psf/ft of depth
- active pressure = 30 psf/ft of depth

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

4.5 EXPANSIVE SOIL MITIGATION

Some cohesive soils undergo volumetric change (shrinkage and swelling) with changes in moisture content and degree of saturation, which are commonly referred to as expansive soils. This condition primarily occurs with fat clay (CH) soil, which is a cohesive soil that exhibits a liquid limit of 50 or greater. The liquid limit is the water content, in percent, of a soil that defines the boundary between the plastic and viscous fluid states.

The cohesive soils tested at this site were found to have liquid limits ranging from 26 to 47 and plasticity indices ranging from 10 to 24, providing for a low to moderate potential for volumetric change.

4.6 LIQUEFACTION MITIGATION

Liquefaction is the process where saturated cohesionless (granular) soils, specifically, loose sands and silts, transform from a solid into a liquid as a result of an increase in the pore water pressure caused by repeated disturbance such as experienced during seismic events. Liquefaction results in an immediate loss of shear strength and bearing capacity, causing total and differential settling of the overlying structure.

The granular soils encountered at this site exhibit a high relative density and are not susceptible to liquefaction.

4.7 SETTLEMENT

A detailed settlement analysis is recommended to verify potential settlement once the building loads are established. Considering the poor structural quality of the soft cohesive soils encountered below a depth of +/- 15 feet, total settlement of greater than 1.0 inch is highly probable for shallow foundations designed beyond the limitations established in section 4.1 of this report.

4.8 SEISMIC SITE CLASS AND DESIGN CATEGORY

In accordance with Section 1613 (Earthquake Loads) of the 2015 IBC, GGEA has classified the site as Seismic **Site Class E.** The site classification is based on the summation of N values for the upper 100 feet of soil boring B-1 in accordance with ASCE 7.

The design spectral response accelerations have been calculated as 0.353 g for short period design spectral response acceleration (S_{DS}) and 0.142 g for one second design spectral response acceleration (S_{D1}). In accordance with tables 1613.5.6(1) and 1613.5.6(2), using Risk Category II (estimated), the site is classified as Seismic **Design Category C.** See Appendix E for reference.

4.9 GENERAL CONSTRUCTION RECOMMENDATIONS

GGEA provides general construction recommendations as follows:

1. The exposed subgrade grade should not be allowed to become saturated or inundated with standing water. No fill material or concrete shall be placed in water, over saturated subgrade or over frozen subgrade. Soils may lose considerable strength and bearing capacity if subject to saturation. The foundation subgrade should be pitched to drain and provided with a temporary sump(s), located outside of the structure footprint, to prevent the accumulation of stormwater in the excavation and subsequent deterioration of the foundation subgrade during construction. Likewise, stormwater should not be permitted to remain in the excavation adjacent to foundations after construction and prior to backfill.
2. Prior to placement of overlying stone, pavement and slab on grade soil subgrade soil should be sealed with a smooth drum roller regularly to minimize rutting and weather related deterioration.
3. Backfill foundations prior to applying load.
4. Upon completion of the excavation for shallow foundations, the exposed foundation subgrade should be compacted to densify soil loosened by the excavation process. Proper subgrade preparation will assure the development of the anticipated bearing strength and reduce settlement potential.
5. If additional undercut is necessary, the excavation bottom should be graded to a uniform elevation and gradually sloped back to design elevation. Undercut "pockets" should be avoided.
6. Conformance to OSHA standards is mandatory during excavation and trench work.
7. Topsoil and organic soils should be removed from all load bearing areas.
8. Footing sizes should be proportioned to create nearly equal contact pressures under all foundations, which will serve to minimize differential settlement.
9. Foundation bearing grades should not be allowed to freeze prior to or after placement of concrete. Insulating blankets should be used to cover bearing grades plus a one foot perimeter outside of the forms or completed footings until backfill is placed.
10. The fill placed at grade elevation should be sloped to drain away from the foundation walls to eliminate the potential for standing water to accumulate along the foundation
11. During the excavation process, if encountered soils or moisture contents are found to be different than those identified on the soil boring logs and represented within this report, the allowable bearing capacity and associated design recommendations may need to be reevaluated by a qualified geotechnical engineer to account for varying bearing capacity.

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

4.10 CONCLUSION

This completes the preliminary geotechnical evaluation for the proposed construction of a +/- 15,500 square foot addition with associated parking and stormwater detention at the Crosspoint Business Park in the Town of Amherst, New York. The site soils are of poor structural quality below a depth of 15 feet and provide for limited use of shallow foundations. This report has been prepared based on the encountered subsurface conditions at the soil boring locations and pertinent data supplied by Kimley-Horn and EDI. Alteration of the plans, including relocation of the proposed building may serve to invalidate this report. Note this report has been designated as preliminary. Supplemental geotechnical investigation and evaluation may be necessary at later stages of the design process. Please contact GGEA if major project changes are made or if encountered soils differ from conditions noted herein.

Sincerely,



G. Edward Lover
Senior Geologist

Jesse E. Grossman, P.E.
Engineering Manager

/gel

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

Appendix A

Subsurface Investigation Logs

Crosspoint Business Park Expansion
Amherst, New York

Preliminary Geotechnical Engineering Report

GGEA 19-1065

May 16, 2019

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

EARTH DIMENSIONS, INC.

Soil and Hydrogeologic Investigations • Wetland Delineations

1091 Jamison Road • Elma, NY 14059

(716) 655-1717 • FAX (716) 655-2915

2A95t HOLE NO. B-1-19 SURF. ELEVATION _

PROJECT Crosspoint Business Park LOCATION _

Town of Amherst, Erie County, NY

CLIENT Glynn Group Engineering & Architecture, PLLC DATE STARTED 04/30/19 COMPLETED 04/30/19

DEPTH IN FT	SN / REC	0/6	6/12	12/18	18/24	N	LITH	DESCRIPTION AND CLASSIFICATION	WATER TABLE AND REMARKS
	1	2						Moist dark gray (SANDY-SILT) topsoil fill with 3 to 7% gravel, little sand and organic matter, loose, massive soil structure, (ML). 0.8	Coarse silty topsoil fill with little sand and organic matter, trace gravel to 0.8 feet over silty soil fill with little sand and clay, trace to little gravel, trace brick fragments to 3.6 feet over coarse silty soil fill with little sand and gravel to 5.8 feet over water sorted and deposited sand with trace silt and clay to 9.8 feet over clayey lake sediment with trace sand and gravel to 12.0 feet over clayey lake sediment with trace sand to 34.3 feet over silty glacial drift with little to some clay, little gravel and sand to 38.0 feet over sand and gravel till with trace to little silt to 39.0 feet over shale bedrock to end of coring. Note: Advanced bore hole with 3 1/4" ID x 7" OD hollow stem auger casing with continuous split spoon sampling to 16.0 feet and 5.0-foot interval sampling to 39.0 feet. Continued below with a NQ-2 size double tubed wireline core barrel with diamond bit to end of coring at 44.0 feet. Bore hole was backfilled with cuttings to ground surface upon completion. Note: No water in bore hole prior to coring.
	15		3			8			
				5					
					6				
	2	10							
	16		14			31			
				17					
					15				
	3	18							
5	18		15			25			
				10					
					13				
	4	14							
	15		12			26			
				14					
					10				
	5	6							
	18		6			16			
				10					
					12				
10	6	11						grades downward to 9.8	
	0		11			25		Moist gray (SILTY-CLAY) with 3 to 7% gravel, trace sand, very stiff, thinly laminated with very thin coarse silt lenses, (CL).	
				14					
					10				
	7	5						grades downward to 12.0	
	24		4			9		Extremely moist gray (SILTY-CLAY) with trace sand, firm to stiff, thinly laminated with very thin coarse silt lenses, (CL).	
				5					
					6				
	8	4							
15	22		2			5			
				3					
					2				
								grades downward to 18.0	
	9	2						Extremely moist gray (SILTY-CLAY) with trace sand, very soft to soft, thinly laminated with very thin coarse silt lenses, (CL).	
	19		2			3			
				1					
20					2				

N=NUMBER OF BLOWS TO DRIVE 2 " SPOON 12 " WITH 140 lb. WT. FALLING 30 " PER BLOW

LOGGED BY Jason Kryszak, Geologist, (cns) SHEET 1 OF 3

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

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2A95t HOLE NO. B-1-19 SURF. ELEVATION _

PROJECT Crosspoint Business Park LOCATION _
Town of Amherst, Erie County, NY

CLIENT Glynn Group Engineering & Architecture, PLLC DATE STARTED 04/30/19 COMPLETED 04/30/19

DEPTH IN FT | BLOWS ON SAMPLER

SN REC	0/6	6/12	12/18	18/24	N	LITH	DESCRIPTION AND CLASSIFICATION	WATER TABLE AND REMARKS
10 23	1	1			<2		Extremely moist gray (SILTY-CLAY) with trace sand, very soft to soft, thinly laminated with very thin coarse silt lenses, (CL).	
			1/12					
11 23	1	1			3			
			2					
				1				
12 12	3	3	3		6		grades downward to 34.3	
				8			Extremely moist gray (SAND-SILT-CLAY) with 10 to 20% gravel, little to some clay, little sand, firm to stiff, massive soil structure, (ML-CL).	
							grades downward to 38.0	
13 6	38	100/3					Extremely moist gray very gravelly (SILTY-SAND) with 40 to 60% gravel, trace to little silt, very dense, massive soil structure, (SM), (GM).	Run # 1 Depth (ft) 39.0 to 44.0 Length (ft) 5.0 Rec (ft) 3.1 Rec % 62 RQD % 36
	Run	#1						

25 30 35 40

N=NUMBER OF BLOWS TO DRIVE 2 " SPOON 12 " WITH 140 lb. WT. FALLING 30 " PER BLOW

LOGGED BY Jason Kryszak, Geologist, (cns) SHEET 2 OF 3

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

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2A95t HOLE NO. B-1-19 SURF. ELEVATION _

PROJECT Crosspoint Business Park LOCATION _
Town of Amherst, Erie County, NY

CLIENT Glynn Group Engineering & Architecture, PLLC DATE STARTED 04/30/19 COMPLETED 04/30/19

DEPTH IN FT | BLOWS ON SAMPLER

SN / REC	0/6	6/12	12/18	18/24	N	LITH	DESCRIPTION AND CLASSIFICATION	WATER TABLE AND REMARKS
							Extremely moist gray very gravelly (SILTY-SAND) with 40 to 60% gravel, trace to little silt, very dense, massive soil structure, (SM), (GM).	
	Run	#1					39.0	Run # 1 Depth (ft) 39.0 to 44.0 Length (ft) 5.0 Rec (ft) 3.1 Rec % 62 RQD % 36
							Dark gray shale bedrock, soft, thinly laminated, intensely to moderately fractured horizontally along bedding planes with an occasional vertical fracture, occasional thin lense of gypsum, core lengths range from (0.01-1.4').	EDI Bedrock Hardness Classification
							44.0	Soft: Hand-held specimen crumbles under firm blows with point of geologic pick.
							Coring completed at 44.0 feet.	

45 50 55 60

N=NUMBER OF BLOWS TO DRIVE 2 " SPOON 12 " WITH 140 lb. WT. FALLING 30 " PER BLOW

LOGGED BY Jason Kryszak, Geologist, (cns) SHEET 3 OF 3

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

EARTH DIMENSIONS, INC.

Soil and Hydrogeologic Investigations • Wetland Delineations

1091 Jamison Road • Elma, NY 14059

(716) 655-1717 • FAX (716) 655-2915

2A95t HOLE NO. B-2-19 SURF. ELEVATION _

PROJECT Crosspoint Business Park LOCATION _

Town of Amherst, Erie County, NY

CLIENT Glynn Group Engineering & Architecture, PLLC DATE STARTED 04/30/19 COMPLETED 04/30/19

DEPTH IN FT | BLOWS ON SAMPLER

SN REC	0/6	6/12	12/18	18/24	N	LITH	DESCRIPTION AND CLASSIFICATION	WATER TABLE AND REMARKS
1	6						Moist brown (SANDY-SILT) fill with 10 to 20% gravel, little sand, trace organic matter, compact, massive soil structure, (ML). 0.3	Coarse silty soil fill with little sand and gravel, trace organic matter to 0.3 feet over coarse silty soil fill with trace to little sand, trace clay and organic matter to 1.3 feet over sandy soil fill with trace to little silt, trace organic matter to 1.6 feet over water sorted and deposited sand with trace to litlte silt to 4.0 feet over clayey lake sediment with trace sand to end of boring.
13		5			11			
			6					
				10				
2	7						Moist to extremely moist gray (SANDY-SILT) fill with trace to little sand, trace clay and organic matter, compact, massive soil structure, (ML). 1.3	
12		8			20			
			12					
				14				
3	7						Moist dark gray (SILTY-SAND) fill with mostly very fine to fine size sand, trace to little silt, trace organic matter, compact, massive soil structure, (SM). 1.6	
5 13		7			16			
			9					
				12				
4	7						Moist faintly mottled brown (SILTY-SAND) with mostly very fine to fine size sand, trace to little silt, compact, thinly bedded, (SM). grades downward to 4.0	
11		7			13			
			6					
				12				
5	7						Moist gray (SILTY-CLAY) with trace sand, stiff to very stiff, thinly laminated with very thin coarse silt lenses, (CL). 10.0	
16		8			19			
			11					
10				13			Boring completed at 10.0 feet.	
15								
20								

Note: Advanced bore hole with 3 1/4" ID x 7" OD hollow stem auger casing with continuous split spoon sampling to 10.0 feet. Bore hole was backfilled with cuttings to ground surface upon completion.

No water at completion.

N=NUMBER OF BLOWS TO DRIVE 2 " SPOON 12 " WITH 140 lb. WT. FALLING 30 " PER BLOW

LOGGED BY Jason Kryszak, Geologist, (cns) SHEET 1 OF 1

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

EARTH DIMENSIONS, INC.

Soil and Hydrogeologic Investigations • Wetland Delineations

1091 Jamison Road • Elma, NY 14059

(716) 655-1717 • FAX (716) 655-2915

2A95t HOLE NO. B-3-19 SURF. ELEVATION _

PROJECT Crosspoint Business Park LOCATION _

Town of Amherst, Erie County, NY

CLIENT Glynn Group Engineering & Architecture, PLLC DATE STARTED 05/01/19 COMPLETED 05/01/19

DEPTH IN FT	SN REC	BLOWS ON SAMPLER 0/6	6/12	12/18	18/24	N	LITH	DESCRIPTION AND CLASSIFICATION	WATER TABLE AND REMARKS
	1	WH						Extremely moist to wet gray (SANDY-SILT) topsoil with little sand and organic matter, very loose, granular soil structure, (ML).	Coarse silty topsoil fill with little sand and organic matter to 0.4 feet over clayey slack water sediment with trace sand to 2.0 feet over water sorted and deposited sand with little silt, trace clay and organic matter to 4.0 feet over clayey lake sediment with trace sand to end of boring.
	20		3			6			
				3					
					5			0.4	
	2	6						Moist gray (SILTY-CLAY) with trace sand, firm, blocky soil structure, (CL).	
	19		5			11			
				6					
					10			clear transition to 2.0	
	3	6						Moist faintly mottled to distinctly mottled light gray to orangish brown, (SILTY-SAND) with little silt, trace clay and organic matter, weakly thinly bedded, (SM).	Note: Advanced bore hole with 3 1/4" ID x 7" OD hollow stem auger casing with continuous split spoon sampling to 10.0 feet. Bore hole was backfilled with cuttings to ground surface upon completion.
5	15		6			16			
				10					
					18			grades downward to 4.0	
	4	6							
	17		8			17			
				9					
					10			Moist brownish gray to gray (SILTY-CLAY) with trace sand, very stiff, thinly laminated with very thin coarse silt lenses, (CL).	No water at completion.
	5	6							
	20		9			21			
				12					
					16			10.0	
10								Boring completed at 10.0 feet.	WH: Sampler penetration with weight of rods and hammer.
15									
20									

N=NUMBER OF BLOWS TO DRIVE 2 " SPOON 12 " WITH 140 lb. WT. FALLING 30 " PER BLOW

LOGGED BY Jason Kryszak, Geologist, (cns) SHEET 1 OF 1

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

EARTH DIMENSIONS, INC.

Soil and Hydrogeologic Investigations • Wetland Delineations

1091 Jamison Road • Elma, NY 14059

(716) 655-1717 • FAX (716) 655-2915

2A95t HOLE NO. B-4-19 SURF. ELEVATION _

PROJECT Crosspoint Business Park LOCATION _

Town of Amherst, Erie County, NY

CLIENT Glynn Group Engineering & Architecture, PLLC DATE STARTED 05/01/19 COMPLETED 05/01/19

DEPTH IN FT	SN REC	0/6	6/12	12/18	18/24	N	LITH	DESCRIPTION AND CLASSIFICATION	WATER TABLE AND REMARKS
	1	2						Moist gray (SANDY-SILT) topsoil fill with little sand and organic matter, very loose, massive soil structure, (ML).	Coarse silty topsoil fill with little sand and organic matter to 0.5 feet over sandy soil fill with little silt, trace organic matter to 1.5 feet over water sorted and deposited sand with little silt to 4.0 feet over clayey lake sediment with trace sand to end of boring.
	15		3			9		0.5	
				6					
					6				
	2	6							
	8		8			20		Moist dark gray (SILTY-SAND) fill with mostly fine size sand, little silt, trace organic matter, loose, massive soil structure, (SM).	
				12				1.5	
					14				
	3	5							
5	18		8			17		Moist to extremely moist faintly mottled light gray (SILTY-SAND) with mostly very fine to fine size sand, little silt, compact, weakly thinly bedded, (SM).	Note: Advanced bore hole with 3 1/4" ID x 7" OD hollow stem auger casing with continuous split spoon sampling to 10.0 feet. Bore hole was backfilled with cuttings to ground surface upon completion.
				9				grades downward to 2.0	
					13				
	4	6							
	23		7			18			
				11					
					15				
	5	7							
	19		8			18		Extremely moist to wet light brown (SILTY-SAND) with mostly very fine to fine size sand, little silt, compact, thinly bedded, (SM).	No water at completion.
				10				grades downward to 4.0	
10					10				
								Moist gray (SILTY-CLAY) with trace sand, very stiff, thinly laminated with very thin coarse silt lenses, (CL).	
								10.0	
								Boring completed at 10.0 feet.	
15									
20									

N=NUMBER OF BLOWS TO DRIVE 2 " SPOON 12 " WITH 140 lb. WT. FALLING 30 " PER BLOW

LOGGED BY Jason Kryszak, Geologist, (cns) SHEET 1 OF 1

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

EARTH DIMENSIONS, INC.

Soil and Hydrogeologic Investigations • Wetland Delineations

1091 Jamison Road • Elma, NY 14059

(716) 655-1717 • FAX (716) 655-2915

2A95t HOLE NO. B-5-19 SURF. ELEVATION _

PROJECT Crosspoint Business Park LOCATION _

Town of Amherst, Erie County, NY

CLIENT Glynn Group Engineering & Architecture, PLLC DATE STARTED 05/01/19 COMPLETED 05/01/19

DEPTH IN FT	SN REC	0/6	6/12	12/18	18/24	N	LITH	DESCRIPTION AND CLASSIFICATION	WATER TABLE AND REMARKS
	1	1						Extremely moist to wet light gray (SILTY-SAND) topsoil fill with little to some silt, trace to little organic matter, very loose, massive soil structure, (ML). 0.5	Sandy soil fill with little to some silt, trace to little organic matter to 0.5 feet over clayey slack water sediment with trace gravel and organic matter to 1.0 feet over water sorted and deposited sand with trace to little silt to 4.0 feet over clayey lake sediment to end of boring.
	19		3			8			
				5					
					7				
	2	7							
	23		10			19			
				9					
					12				
	3	6							
5	22		7			16			
				9					
					12				
	4	7							
	23		8			22			
				14					
					17				
	5	7							
	24		8			18			
				10					
10					9				
								Moist faintly mottled dark gray (SILTY-SAND) with mostly very fine to fine size sand, trace to little silt, trace organic matter, loose, (SM). 2.0	Note: Advanced bore hole with 3 1/4" ID x 7" OD hollow stem auger casing with continuous split spoon sampling to 10.0 feet. Bore hole was backfilled with cuttings to ground surface upon completion.
								Moist faintly mottled light gray (SILTY-SAND) with mostly very fine to fine size sand, trace to little silt, compact, weakly thinly bedded, (SM).	No water at completion.
								grades downward to 4.0	
								Moist light gray (SILTY-CLAY) with trace clay, very stiff, thinly laminated with very thin coarse silt lenses, (CL). 10.0	
								Boring completed at 10.0 feet.	
15									
20									

N=NUMBER OF BLOWS TO DRIVE 2 " SPOON 12 " WITH 140 lb. WT. FALLING 30 " PER BLOW

LOGGED BY Jason Kryszak, Geologist, (cns) SHEET 1 OF 1

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

EARTH DIMENSIONS, INC.

Soil and Hydrogeologic Investigations • Wetland Delineations

1091 Jamison Road • Elma, NY 14059

(716) 655-1717 • FAX (716) 655-2915

2A95t HOLE NO. B-6-19 SURF. ELEVATION _

PROJECT Crosspoint Business Park LOCATION _

Town of Amherst, Erie County, NY

CLIENT Glynn Group Engineering & Architecture, PLLC DATE STARTED 05/01/19 COMPLETED 05/01/19

DEPTH IN FT | BLOWS ON SAMPLER

SN / REC	0/6	6/12	12/18	18/24	N	LITH	DESCRIPTION AND CLASSIFICATION	WATER TABLE AND REMARKS
1	2						Extremely moist gray (SANDY-SILT) fill with little sand, trace organic matter, very loose, massive soil structure, (ML).	Coarse silty soil fill with little sand, trace organic matter to 0.4 feet over sandy soil fill with little silt, trace organic matter to 1.2 feet over water sorted and deposited sand with little silt to 4.0 feet over clayey lake sediment with trace sand to end of boring.
15		3			8			
			5					
				7				
2	4						0.4	
14		7			17		Moist dark gray (SILTY-SAND) fill with mostly very fine to fine size sand, little silt, trace organic matter, loose, massive soil structure, (SM).	
			10					
				10				
3	6						1.2	
5 16		9			23		Moist faintly mottled light brown (SILTY-SAND) with mostly very fine to fine size sand, little silt, loose, weakly thinly bedded, (SM).	Note: Advanced bore hole with 3 1/4" ID x 7" OD hollow stem auger casing with continuous split spoon sampling to 10.0 feet. Bore hole was backfilled with cuttings to ground surface upon completion.
			14					
				18				
4	6						grades downward to 4.0	
18		8			21			
			13					
				14				
5	7						Moist brown to light gray (SILTY-CLAY) with trace sand, very stiff, thinly laminated with very thin coarse silt lenses, (CL).	No water at completion.
23		7			13			
			6					
10				8			10.0	
							Boring completed at 10.0 feet.	
15								
20								

N=NUMBER OF BLOWS TO DRIVE 2 " SPOON 12 " WITH 140 lb. WT. FALLING 30 " PER BLOW

LOGGED BY Jason Kryszak, Geologist, (cns) SHEET 1 OF 1

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

Appendix B

Project Location Plan

Crosspoint Business Park Expansion
Amherst, New York

Preliminary Geotechnical Engineering Report

GGEA 19-1065

May 16, 2019

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)



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ENGINEERING · DESIGN
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415 S. TRANSIT STREET
LOCKPORT, NEW YORK 14094
VOICE (716) 625 - 6933 / FAX (716) 625-6983
www.glynngroup.com

PROJECT: CROSSPOINT EXPANSION				SHEET NO.: S1
SUBJECT: PROJECT LOCATION PLAN				
CLIENT: KIMLEY-HORN				
PROJ. NO.: 19-1065	SCALE: 1"= 600'-0"	DATE: 04.08.19	BY: GEL	

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

Appendix C

Soil Boring Location Plan

Crosspoint Business Park Expansion
Amherst, New York

Preliminary Geotechnical Engineering Report

GGEA 19-1065

May 16, 2019

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)



Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

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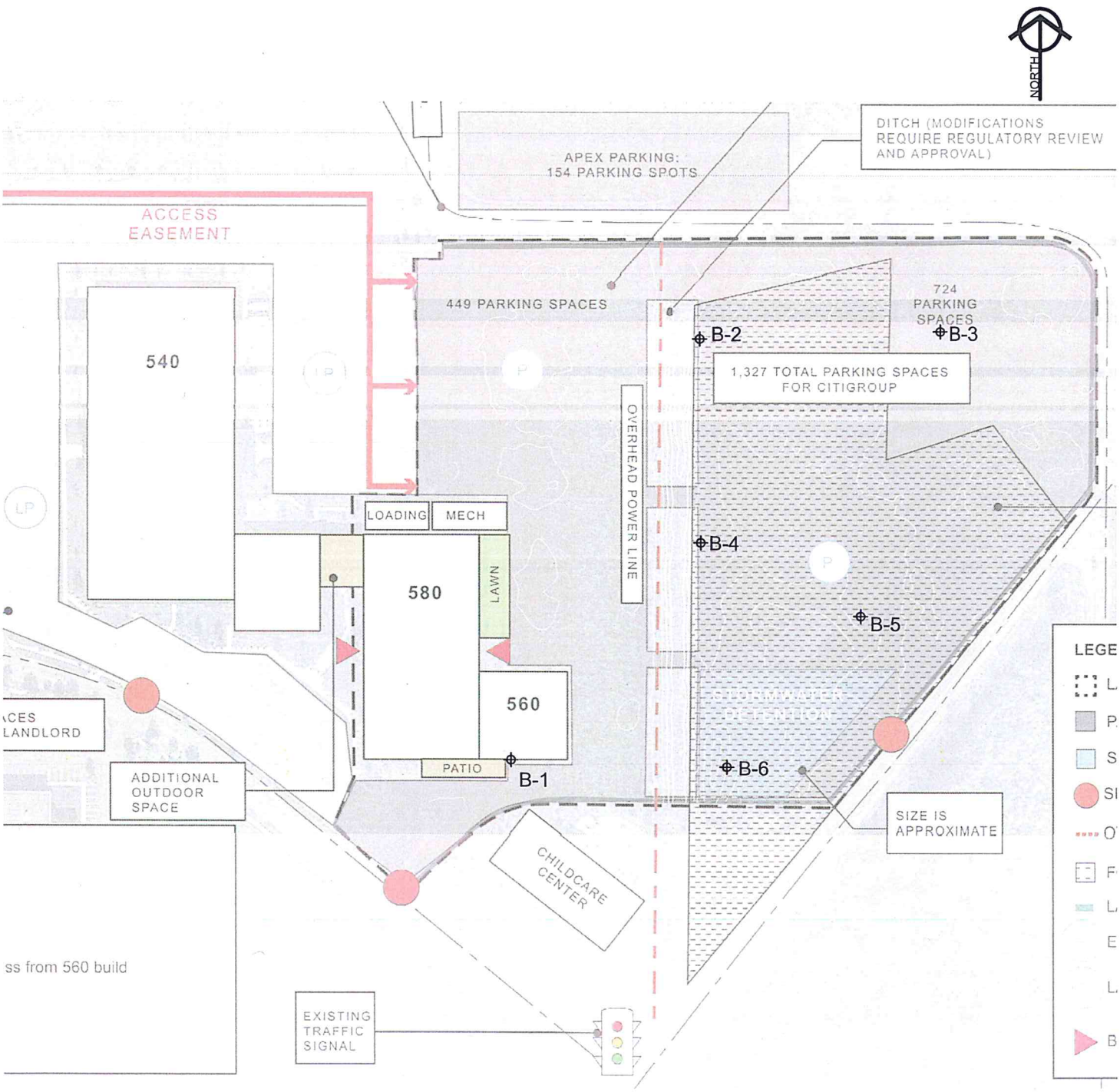
PROJECT: CROSSPOINT EXPANSION			SHEET NO.: S2A
SUBJECT: SOIL BORING LOCATION PLAN			
CLIENT: KIMLEY-HORN			
PROJ. NO.: 19-1065	SCALE: 1"= 200'-0"	DATE: 04.08.19	BY: GEL



GGE ENGINEERING · DESIGN GLYNN GEOTECHNICAL ENGINEERING 415 S. TRANSIT STREET LOCKPORT, NEW YORK 14094 VOICE (716) 625 - 6933 / FAX (716) 625-6983 www.glynngroup.com	PROJECT: CROSSPOINT EXPANSION			SHEET NO.: S2B
	SUBJECT: SOIL BORING LOCATION PLAN			
	CLIENT: KIMLEY-HORN			
	PROJ. NO.: 19-1065	SCALE: 1"= 200'-0"	DATE: 04.08.19	BY: GEL

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

Appendix D

Laboratory Analysis

Crosspoint Business Park Expansion
Amherst, New York

Preliminary Geotechnical Engineering Report

GGEA 19-1065

May 16, 2019

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

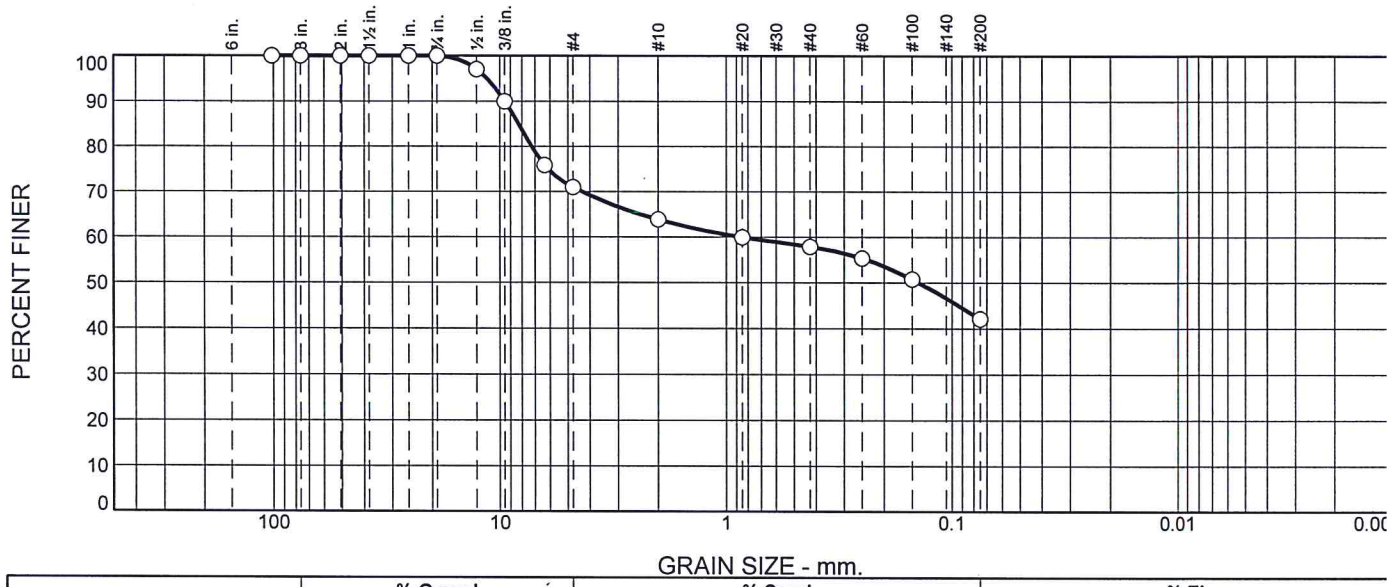
a member of the GLYNN GROUP

GRAIN SIZE ANALYSIS
ASTM D-422

Project: Crosspoint Business Park Expansion **Project No.:** 19-1065

Client: Kimley-Horn

Location: B-1-19 (S2, S3)
Sample Number: 19-01 **Depth:** 0.8 - 5.8 ft **Date:** 5.8.19



% +3"	% Gravel		% Sand			% Fines	
	Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
0.0	0.0	29.0	7.1	6.0	15.8	42.1	

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
4"	100.0		
3"	100.0		
2"	100.0		
1-1/2"	100.0		
1-0"	100.0		
3/4"	100.0		
1/2"	97.0		
3/8"	90.0		
1/4"	75.9		
#4	71.0		
#10	63.9		
#20	60.0		
#40	57.9		
#60	55.4		
#100	50.8		
#200	42.1		

* (no specification provided)

Material Description

clayey gravel with sand

Atterberg Limits

PL= 16 LL= 26 PI= 10

Coefficients

D_{85}= 8.2911 D_{60}= 0.8533 D_{50}= 0.1399
D_{30}= D_{15}= D_{10}=
C_u= C_c=

Classification

USCS= GC AASHTO= A-4(1)

Remarks

Natural Moisture Content = 12.2%

Figure

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Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

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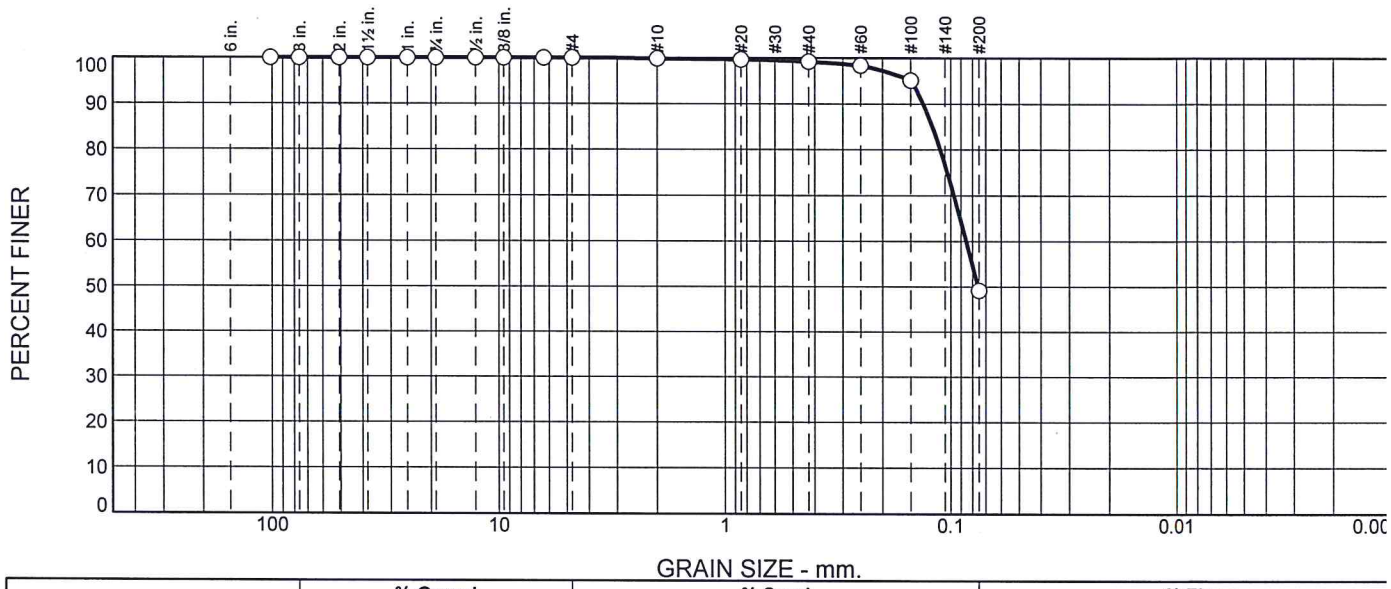
GRAIN SIZE ANALYSIS
ASTM D-422

Project: Crosspoint Business Park Expansion **Project No.:** 19-1065

Client: Kimley-Horn

Location: B-1-19 (S4)
Sample Number: 19-02 **Depth:** 5.8 - 8.0 ft **Date:** 5.8.19



% +3"	% Gravel		% Sand			% Fines	
	Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
0.0	0.0	0.0	0.2	0.6	50.0	49.2	

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
4"	100.0		
3"	100.0		
2"	100.0		
1-1/2"	100.0		
1-0"	100.0		
3/4"	100.0		
1/2"	100.0		
3/8"	100.0		
1/4"	100.0		
#4	100.0		
#10	99.8		
#20	99.6		
#40	99.2		
#60	98.3		
#100	95.1		
#200	49.2		

* (no specification provided)

Material Description

silty sand

Atterberg Limits

PL= NP LL= NV PI= NP

Coefficients

D_{85}= 0.1203 D_{60}= 0.0854 D_{50}= 0.0757
D_{30}= D_{15}= D_{10}=
C_u= C_c=

Classification

USCS= SM AASHTO= A-4(0)

Remarks

Natural Moisture Content = 22.1%

Figure

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Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

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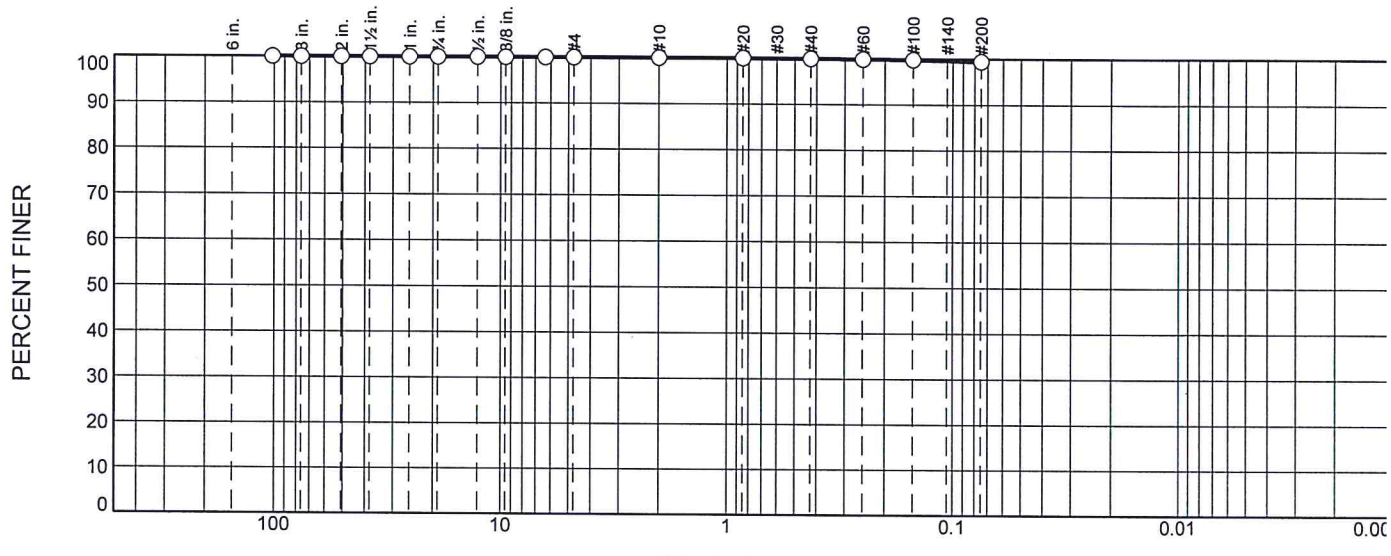
GRAIN SIZE ANALYSIS
ASTM D-422

Project: Crosspoint Business Park Expansion **Project No.:** 19-1065

Client: Kimley-Horn

Location: B-1-19 (S7, S8)
Sample Number: 19-03 **Depth:** 12.0 - 16.0 ft **Date:** 5.8.19



% +3"	% Gravel		% Sand			% Fines	
	Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
0.0	0.0	0.0	0.0	0.1	0.5	99.4	

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
4"	100.0		
3"	100.0		
2"	100.0		
1-1/2"	100.0		
1-0"	100.0		
3/4"	100.0		
1/2"	100.0		
3/8"	100.0		
1/4"	100.0		
#4	100.0		
#10	100.0		
#20	99.9		
#40	99.9		
#60	99.8		
#100	99.7		
#200	99.4		

* (no specification provided)

Material Description

lean clay

Atterberg Limits

PL= 23 LL= 47 PI= 24

Coefficients

D_{85}= D_{60}= D_{50}=
D_{30}= D_{15}= D_{10}=
C_u= C_c=

Classification

USCS= CL AASHTO= A-7-6(27)

Remarks

Natural Moisture Content = 35.6%

Figure

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Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

Appendix E

Seismic Site Class and Design Category

Crosspoint Business Park Expansion
Amherst, New York

Preliminary Geotechnical Engineering Report

GGEA 19-1065

May 16, 2019

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

Project : Crosspoint Business Park Expansion
Client: Kimley-Horn
GGEA # : 19-1065
Date: 05.16.19

B-1-19

Depth (di)	N Value (Ni)
12	21
3	7
19.3	2
3.7	10
1	50
61	100

ASCE 7
Equation 20.4-2

$$N = \frac{100}{\sum \frac{di}{Ni}} = 8.58$$

ASCE 7
Table 20.3-1 $N < 15$ **SITE CLASS E**

2015 IBC Section 1613

F_a =	2.5	Site coefficient Table 1613.3.3(1)
F_v =	3.5	Site coefficient Table 1613.3.3(2)
S_s =	0.212	Mapped accelerations short periods Figure 1613.3.1(1)
S_1 =	0.061	Mapped accelerations 1 sec period Figure 1613.3.1(2)
S_{MS} =	0.530	Maximum spectral response short periods equation 16-37
S_{M1} =	0.214	Maximum spectral response 1 sec periods equation 16-38
S_{DS} =	0.353	Design spectral response short periods equation 16-39
S_{D1} =	0.142	Design spectral response 1 sec periods equation 16-40

Risk Category = II (estimated)

Seismic Design Category = C

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

NEW YORK STATE OF OPPORTUNITY.

Parks, Recreation, and Historic Preservation

ANDREW M. CUOMO
Governor

ERIK KULLESEID
Commissioner

April 11, 2019

Mr. Scott Livingstone
Wetlands Operations Manager
Earth Dimensions, Inc.
1091 Jamison Road
Elma, NY 14059

Re: USACE
Crosspoint Business Park Expansion
Town of Amherst, Erie County, NY
19PR02380

Dear Mr. Livingstone:

Thank you for requesting the comments of the State Historic Preservation Office (SHPO). We have reviewed the project in accordance with Section 106 of the National Historic Preservation Act of 1966. These comments are those of the SHPO and relate only to Historic/Cultural resources. They do not include potential environmental impacts to New York State Parkland that may be involved in or near your project. Such impacts must be considered as part of the environmental review of the project pursuant to the National Environmental Policy Act and/or the State Environmental Quality Review Act (New York Environmental Conservation Law Article 8).

Based upon this review, the New York SHPO has determined that no historic properties will be affected by this undertaking.

If further correspondence is required regarding this project, please be sure to refer to the OPRHP Project Review (PR) number noted above.

Sincerely,

Michael F. Lynch, P.E., AIA
Director, Division for Historic Preservation

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

DEPARTMENT OF THE ARMY
BUFFALO DISTRICT, CORPS OF ENGINEERS
1776 NIAGARA STREET
BUFFALO, NEW YORK 14207-3199

REPLY TO

March 26, 2020

Regulatory Branch

SUBJECT: Preliminary Jurisdictional Determination and Approved Jurisdictional Determination for Department of the Army Application No. 2003-00052 (Uniland Construction - 3750 and 3800 Millersport Highway)

David Reilly
Uniland Construction
University Corporate Centre
100 Corporate Parkway, Suite 500
Amherst, New York 14226

Dear Mr. Reilly:

I have reviewed the wetland delineation report submitted on your behalf by Wilson Environmental Technologies for a wetland boundary verification for a parcel located at 3750 & 3800 Millersport Highway, Town of Amherst, Erie County, New York.

Section 404 of the Clean Water Act establishes Corps of Engineers jurisdiction over the discharge of dredged or fill material into waters of the United States, including wetlands, as defined in 33 CFR Part 328.3.

I have evaluated your submitted wetland delineation map and have determined that the wetland and water boundaries shown on the map accurately represent on-site conditions. I am hereby verifying the wetland and water boundaries depicted on Sheet 1 of 1 with a preliminary and an approved jurisdictional determination.

1. <u>Approved Jurisdictional Determination, Attachment A, for Wetlands A & C</u>

Based upon our evaluation of the subject project site, we have determined that there is no clear surface water connection or ecological continuum between wetland A (1.52 acres) and wetland C (0.03 acres) on the parcel and a surface tributary system to a navigable water of the United States. Therefore, this water is considered isolated, non-navigable, intrastate water and not regulated under Section 404 of the Clean Water Act. Accordingly, you do not need Department of the Army authorization to commence work in these areas.

This determination for wetlands A & C will remain valid for a period of 5 years from the date of this correspondence unless new information warrants revision of the delineation before the expiration. At the end of this period, a new delineation may be required. If you object to this

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

determination, you may request an administrative appeal under Corps regulations at 33 CFR Part 331. Enclosed you will find a Notification of Appeal Process (NAP) fact sheet and Request for Appeal (RFA) form. If you request to appeal the above determination, you must submit a completed RFA form within 60 days of the date on this letter to the Great Lakes/Ohio River Division Office at the following address:

Attn: Jacob Siegrist
Great Lakes and Ohio River Division
CELRD-PDS-O
550 Main Street, Room 10524
Cincinnati, OH 45202-3222
Phone: 513-684-2699; FAX 513-684-2460

In order for an RFA to be accepted by the Corps, the Corps must determine that it is complete, that it meets the criteria for appeal under 33 C.F.R. part 331.5, and that it has been received by the Division Office within 60 days of the date of the NAP. Should you decide to submit an RFA form, it must be received at the above address by May 25, 2020.

It is not necessary to submit an RFA to the Division office if you do not object to the determination in this letter.

2. Preliminary Jurisdictional Determination, Attachment B, for Unnamed Tributary to Ransom Creek; Wetland B

Please note that this is a Preliminary Jurisdictional Determination (JD) for an Unnamed Tributary to Ransom Creek (1027 linear feet) and Wetland B (0.204 Acres). Preliminary JDs are non-binding written indications that there may be waters of the United States (WOUS) on your parcel and approximate locations of those waters. Preliminary JDs are advisory in nature and may not be appealed.

Pursuant to Regulatory Guidance Letter 16-01, any permit application made in reliance on this Preliminary JD will be evaluated as though all wetlands or waters on the site are regulated by the Corps. Further, all waters, including wetlands will be used for purposes of assessing the area of project related impacts and compensatory mitigation. If you require a definitive response regarding Department of the Army jurisdiction for any or all of the waters identified on the submitted drawings, you may request an approved jurisdictional determination (AJD) from this office. If an AJD is requested, please be aware that this is often a lengthy process and we may require the submittal of additional information.

I have enclosed the Preliminary JD Form with this letter. The form and attached table identifies the extent of waters on the site and specific terms and conditions of the Preliminary JD. Please sign and return a copy of this form to my attention. If you do not respond within 15

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

days, we will presume concurrence and no additional follow up is necessary prior to finalizing an action.

In accordance with Regulatory Guidance Letter 05-02, "Preliminary jurisdictional determinations are not definitive determinations of areas within regulatory jurisdiction and do not have expirations dates." However, I strongly recommend that the boundaries of all aquatic resources on the parcel be re-evaluated by a qualified wetland biologist after five years of the date of this letter. This will ensure that any changes are appropriately identified and you do not inadvertently incur a violation of Federal law while constructing your project or working on your project site.

Lastly, the Preliminary and Approved Jurisdictional Determinations have been conducted only to identify the limits of waters that may be subject to Corps Clean Water Act or Rivers and Harbors Act jurisdiction. This delineation/determination may not be valid for the wetland conservation provisions of the Food Security Act of 1985, as amended. If you or your tenant are USDA program participants, or anticipate participation in USDA programs, you should request a certified wetland determination from the local office of the Natural Resource Conservation Service prior to starting work.

Questions pertaining to this matter should be directed to me by calling (716) 879-4279, by writing to the following address: U.S. Army Corps of Engineers, 1776 Niagara Street, Buffalo, New York 14207, or by e-mail at: joseph.m.rowley@usace.army.mil

Sincerely,



Joseph Rowley
Physical Scientist

Enclosure
cc: Mr. Don Wilson of Wilson Environmental Technologies

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

NOTIFICATION OF ADMINISTRATIVE APPEAL OPTIONS AND PROCESS AND REQUEST FOR APPEAL

Applicant: Uniland Development	File Number: 2003-00052	Date: 3/26/2020
Attached is:		See Section below
	INITIAL PROFFERED PERMIT (Standard Permit or Letter of permission)	A
	PROFFERED PERMIT (Standard Permit or Letter of permission)	B
	PERMIT DENIAL	C
X	APPROVED JURISDICTIONAL DETERMINATION for Wetlands B and D	D
X	PRELIMINARY JURISDICTIONAL DETERMINATION for Tributary 1 & 2; Wetlands A,C,E	E

SECTION I - The following identifies your rights and options regarding an administrative appeal of the above decision. Additional information may be found at http://usace.army.mil/inet/functions/cw/cecwo/reg or Corps regulations at 33 CFR Part 331.

A: INITIAL PROFFERED PERMIT: You may accept or object to the permit.

- **ACCEPT:** If you received a Standard Permit, you may sign the permit document and return it to the district engineer for final authorization. If you received a Letter of Permission (LOP), you may accept the LOP and your work is authorized. Your signature on the Standard Permit or acceptance of the LOP means that you accept the permit in its entirety, and waive all rights to appeal the permit, including its terms and conditions, and approved jurisdictional determinations associated with the permit.

- **OBJECT:** If you object to the permit (Standard or LOP) because of certain terms and conditions therein, you may request that the permit be modified accordingly. You must complete Section II of this form and return the form to the district engineer. Your objections must be received by the district engineer within 60 days of the date of this notice, or you will forfeit your right to appeal the permit in the future. Upon receipt of your letter, the district engineer will evaluate your objections and may: (a) modify the permit to address all of your concerns, (b) modify the permit to address some of your objections, or (c) not modify the permit having determined that the permit should be issued as previously written. After evaluating your objections, the district engineer will send you a proffered permit for your reconsideration, as indicated in Section B below.

B: PROFFERED PERMIT: You may accept or appeal the permit

- **ACCEPT:** If you received a Standard Permit, you may sign the permit document and return it to the district engineer for final authorization. If you received a Letter of Permission (LOP), you may accept the LOP and your work is authorized. Your signature on the Standard Permit or acceptance of the LOP means that you accept the permit in its entirety, and waive all rights to appeal the permit, including its terms and conditions, and approved jurisdictional determinations associated with the permit.
- **APPEAL:** If you choose to decline the proffered permit (Standard or LOP) because of certain terms and conditions therein, you may appeal the declined permit under the Corps of Engineers Administrative Appeal Process by completing Section II of this form and sending the form to the division engineer. This form must be received by the division engineer within 60 days of the date of this notice.

C: PERMIT DENIAL: You may appeal the denial of a permit under the Corps of Engineers Administrative Appeal Process by completing Section II of this form and sending the form to the division engineer. This form must be received by the division engineer within 60 days of the date of this notice.

D: APPROVED JURISDICTIONAL DETERMINATION: You may accept or appeal the approved JD or provide new information.

- **ACCEPT:** You do not need to notify the Corps to accept an approved JD. Failure to notify the Corps within 60 days of the date of this notice, means that you accept the approved JD in its entirety, and waive all rights to appeal the approved JD.
- **APPEAL:** If you disagree with the approved JD, you may appeal the approved JD under the Corps of Engineers Administrative Appeal Process by completing Section II of this form and sending the form to the division engineer. This form must be received by the division engineer within 60 days of the date of this notice.

E: PRELIMINARY JURISDICTIONAL DETERMINATION: You do not need to respond to the Corps regarding the preliminary JD. The Preliminary JD is not appealable. If you wish, you may request an approved JD (which may be appealed), by contacting the Corps district for further instruction. Also you may provide new information for further consideration by the Corps to reevaluate the JD.

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

SECTION II - REQUEST FOR APPEAL or OBJECTIONS TO AN INITIAL PROFFERED PERMIT

REASONS FOR APPEAL OR OBJECTIONS: (Describe your reasons for appealing the decision or your objections to an initial proffered permit in clear concise statements. You may attach additional information to this form to clarify where your reasons or objections are addressed in the administrative record.)

ADDITIONAL INFORMATION: The appeal is limited to a review of the administrative record, the Corps memorandum for the record of the appeal conference or meeting, and any supplemental information that the review officer has determined is needed to clarify the administrative record. Neither the appellant nor the Corps may add new information or analyses to the record. However, you may provide additional information to clarify the location of information that is already in the administrative record.

POINT OF CONTACT FOR QUESTIONS OR INFORMATION:

If you have questions regarding this decision and/or the appeal process you may contact:

Joseph Rowley
U.S. Army Corps of Engineers
1776 Niagara Street
Buffalo, New York 14207
(716)879-4279
joseph.m.rowley@usace.army.mil

If you only have questions regarding the appeal process you may also contact:

Attn: Jacob Siegrist
Great Lakes and Ohio River Division
CELRD-PDS-O
550 Main Street, Room 10524
Cincinnati, OH 45202-3222
Phone: 513-684-2699; FAX 513-684-2460

RIGHT OF ENTRY: Your signature below grants the right of entry to Corps of Engineers personnel, and any government consultants, to conduct investigations of the project site during the course of the appeal process. You will be provided a 15 day notice of any site investigation, and will have the opportunity to participate in all site investigations.

	Date:	Telephone number:
_____ Signature of appellant or agent.		

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

APPROVED JURISDICTIONAL DETERMINATION FORM
U.S. Army Corps of Engineers

This form should be completed by following the instructions provided in Section IV of the JD Form Instructional Guidebook.

SECTION I: BACKGROUND INFORMATION

A. REPORT COMPLETION DATE FOR APPROVED JURISDICTIONAL DETERMINATION (JD):

B. DISTRICT OFFICE, FILE NAME, AND NUMBER: LRB 2003-00052 Uniland Development (Citi Bank) Wetland A = 1.52 acres; Wetland C = 0.03 acres From 1 of 1

C. PROJECT LOCATION AND BACKGROUND INFORMATION:
State: New York County/parish/borough: Erie City: Amherst
Center coordinates of site (lat/long in degree decimal format): Lat. 43.042789 ° N, Long. -78.740869° W
Universal Transverse Mercator:
Name of nearest waterbody: Roadside drainage ditch to Ransom Creek
Name of nearest Traditional Navigable Water (TNW) into which the aquatic resource flows: None
Name of watershed or Hydrologic Unit Code (HUC):

- [x] Check if map/diagram of review area and/or potential jurisdictional areas is/are available upon request.
- [ ] Check if other sites (e.g., offsite mitigation sites, disposal sites, etc…) are associated with this action and are recorded on a different JD form

D. REVIEW PERFORMED FOR SITE EVALUATION (CHECK ALL THAT APPLY):

- [x] Office (Desk) Determination. Date: March 4, 2020
- [x] Field Determination. Date(s): October 30, 2019

SECTION II: SUMMARY OF FINDINGS

A. RHA SECTION 10 DETERMINATION OF JURISDICTION.

There are no "*navigable waters of the U.S.*" within Rivers and Harbors Act (RHA) jurisdiction (as defined by 33 CFR part 329) in the review area. [*Required*]

- [ ] Waters subject to the ebb and flow of the tide.
- [ ] Waters are presently used, or have been used in the past, or may be susceptible for use to transport interstate or foreign commerce. Explain: *Click here to enter text.*

B. CWA SECTION 404 DETERMINATION OF JURISDICTION.

There are "*waters of the U.S.*" within Clean Water Act (CWA) jurisdiction (as defined by 33 CFR part 328) in the review area. ***[Required]***

1. **Waters of the U.S.**
   a. **Indicate presence of waters of U.S. in review area (check all that apply):** [1]

- [ ] TNWs, including territorial seas
- [ ] Wetlands adjacent to TNWs
- [ ] Relatively permanent waters[2] (RPWs) that flow directly or indirectly into TNWs
- [ ] Non-RPWs that flow directly or indirectly into TNWs
- [ ] Wetlands directly abutting RPWs that flow directly or indirectly into TNWs
- [ ] Wetlands adjacent to but not directly abutting RPWs that flow directly or indirectly into TNWs
- [ ] Wetlands adjacent to non-RPWs that flow directly or indirectly into TNWs
- [ ] Impoundments of jurisdictional waters
- [x] Isolated (interstate or intrastate) waters, including isolated wetlands

   b. **Identify (estimate) size of waters of the U.S. in the review area:**
   Non-wetland waters: linear feet: width (ft) and/or # acres.
   Wetlands: acres

   c. **Limits (boundaries) of jurisdiction** based on: 1987 Delineation Manual

   Elevation of established OHWM (if known): Unknown

2. **Non-regulated waters/wetlands (check if applicable):**[3]

- [x] Potentially jurisdictional waters and/or wetlands were assessed within the review area and determined to be not jurisdictional. Explain: A site visit was conducted on October 30, 2019 at the 13 acre parcel located at the corner of Millersport Highway and Hopkins Road, Town of Amherst, Erie County, New York. In addition, a review of in-house resources including, topographical maps, aerial photography and soils maps were checked. The boundary of Wetland A (1.52 acres) and Wetland C (0.03 acres) were walked and no surface flows or culverts were observed going away from the wetland. Finally, almost an inch of rain fell throughout the Buffalo area the night before and during the day of the site visit, October 30, 2019.

[1] Boxes checked below shall be supported by completing the appropriate sections in Section III below.
[2] For purposes of this form, an RPW is defined as a tributary that is not a TNW and that typically flows year-round or has continuous flow at least "seasonally" (e.g.,
[3] Supporting documentation is presented in Section III.F.

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

Wetland A (1.52 acres total, PFO Wetland) boundary was walked and based on the on-site walkover and review of in-house res was determined the wetland is a closed depressional wetland that was not abutting or adjacent to a drainage-way nor appeared to flow directly into a drainage-way or a TNW. The wetland is approximately 50 linear feet away from a roadside drainage ditch along Millersport Highway, 75 linear feet away from a roadside drainage ditch along Hopkins Road and 200-250 feet away from the Unnamed Tributary to Ransom Creek to the West. No other drainageways were located coming or going from the wetland during the site visit or from a desktop review. During the site visit, no surface flow from Wetland A to the two (2) drainage ditches was observed and no drainage patterns were found around the wetland. The wetland is a shallow surface concave depression that collects water and hold it long enough to provide wetland characteristics but do not drain from any surface connections and any subsurface connection would be speculative but based on tl topography would not be expected to occur. During the October 30, 2019 site visit, approximately inch of water was found to be pooling i areas throughout the wetland.

Wetland C (0.03 acres, PEM Wetland) boundary was walked and based on the on-site walkover and review of in-house resources it was determined the wetland is a closed depressional wetland that was not abutting or adjacent to a drainage-way nor appeared to flow directly into a drainage-way or a TNW. No drainage ditch was located along Hopkins Road within the vicinity of Wetland C. The wetland is over 250 feet away from the Unnamed Tributary to Ransom Creek to the West and there is no roadside drainage ditch along Hopkins Road to the North of the wetland. During the site visit, no surface flow from Wetland C was observed and there were no drainage patterns or were found around the wetland. The wetland is a shallow surface concave depression that collects water and hold it long enough to provide wetland characteristics but do not drain from any surface connections and any subsurface connection would be speculative but based on tl topography would not be expected to occur. During the October 30, 2019 site visit, approximately an inch of water was found to be pooli in the wetland.

No ecological nexus to any wetlands or drainageways were seen in the vicinity of the wetlands. With the excessive rain during the early morning and throughout the day on October 30, approximately an inch, hydrology was present within the wetlands. However, there was n evidence of drainage or flow from the wetlands to the roadside drainage ditches or the ditch along the western side of the parcel. In addition, the consultant who performed the delineation, WET,Inc., visited the site on November 1, 2019 after an additional 1.50 inches of rain fell within the Buffalo area. The consultant indicated no flow or the appearance of overland sheet flow was observed from the wetlands to the roadside drainage ditches or the Unnamed Tributary to Ransom Creek along the western side of the parcel. Due to the distance to the nearest drainageway and on-site soil conditions, it is unlikely that any shallow subsurface connection exists between the wetlands and the nearest drainageways. The wetlands are physically and geographically isolated within depressions on the landscape and water would not make it to a TNW.

SECTION III: CWA ANALYSIS

A. TNWs AND WETLANDS ADJACENT TO TNWs

The agencies will assert jurisdiction over TNWs and wetlands adjacent to TNWs. If the aquatic resource is a TNW, complete Section III.A.1 and Section III.D.1. only; if the aquatic resource is a wetland adjacent to a TNW, complete Sections III.A.1 and 2 and Section III.D.1.; otherwise, see Section III.B below.

1. TNW

Identify TNW: *Click here to enter text.*

Summarize rationale supporting determination: *Click here to enter text.*

2. Wetland adjacent to TNW

Summarize rationale supporting conclusion that wetland is "adjacent": *Click here to enter text.*

B. CHARACTERISTICS OF TRIBUTARY (THAT IS NOT A TNW) AND ITS ADJACENT WETLANDS (IF ANY):

This section summarizes information regarding characteristics of the tributary and its adjacent wetlands, if any, and it helps determine whether or not the standards for jurisdiction established under *Rapanos* have been met.

The agencies will assert jurisdiction over non-navigable tributaries of TNWs where the tributaries are "relatively permanent waters" (RPWs), i.e. tributaries that typically flow year-round or have continuous flow at least seasonally (e.g., typically 3 months). A wetland that directly abuts an RPW is also jurisdictional. If the aquatic resource is not a TNW, but has year-round (perennial) flow, skip to Section III.D.2. If the aquatic resource is a wetland directly abutting a tributary with perennial flow, skip to Section III.D.4.

A wetland that is adjacent to but that does not directly abut an RPW requires a significant nexus evaluation. Corps districts and EPA regions will include in the record any available information that documents the existence of a significant nexus between a relatively permanent tributary that is not perennial (and its adjacent wetlands if any) and a traditional navigable water, even though a significant nexus finding is not required as a matter of law.

If the waterbody[4] is not an RPW, or a wetland directly abutting an RPW, a JD will require additional data to determine if the waterbody has a significant nexus with a TNW. If the tributary has adjacent wetlands, the significant nexus evaluation must consider the tributary in combination with all of its adjacent wetlands. This significant nexus evaluation that combines, for analytical purposes, the tributary and all of its adjacent wetlands is used whether the review area identified in the JD request is the tributary, or its adjacent wetlands, or both. If the JD covers a tributary with adjacent wetlands, complete Section III.B.1 for the tributary, Section III.B.2 for any onsite wetlands, and Section III.B.3 for all wetlands adjacent to that tributary, both onsite and offsite. The determination whether a significant nexus exists is determined in Section III.C below.

1. Characteristics of non-TNWs that flow directly or indirectly into TNW

(i) General Area Conditions:

Watershed size: acres

[4] Note that the Instructional Guidebook contains additional information regarding swales, ditches, washes, and erosional features generally and in the arid West.

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

Drainage area: acres
Average annual rainfall: inches
Average annual snowfall: inches

(ii) Physical Characteristics:

(a) Relationship with TNW:

☐ Tributary flows directly into TNW.

☐ Tributary flows through tributaries before entering TNW.

Project waters are *Choose an item.* river miles from TNW.
Project waters are *Choose an item.* river miles from RPW.
Project waters are *Choose an item.* aerial (straight) miles from TNW.
Project waters are *Choose an item.* aerial (straight) miles from RPW.
Project waters cross or serve as state boundaries. Explain:

Identify flow route to TNW[5]:
Tributary stream order, if known:

(b) General Tributary Characteristics (check all that apply):

Tributary is: ☐ Natural

☐ Artificial (man-made). Explain: *Click here to enter text.*

☐ Manipulated (man-altered). Explain:

Tributary properties with respect to top of bank (estimate):
Average width: feet
Average depth: feet
Average side slopes: *Choose an item.*

Primary tributary substrate composition (check all that apply):

☐ Silts ☐ Sands ☐ Concrete
☐ Cobbles ☐ Gravel ☐ Muck
☐ Bedrock ☐ Vegetation. Type/% cover:
☐ Other. Explain: Detritus

Tributary condition/stability [e.g., highly eroding, sloughing banks]. Explain: .
Presence of run/riffle/pool complexes. Explain: .
Tributary geometry: *Choose an item.*
Tributary gradient (approximate average slope):

(c) Flow:

Tributary provides for: *Choose an item.*
Estimate average number of flow events in review area/year: *Choose an item.*
Describe flow regime:.
Other information on duration and volume:

Surface flow is: *Choose an item.* Characteristics: .

Subsurface flow: Unknown Explain findings: *Click here to enter text.*
☐ Dye (or other) test performed: *Click here to enter text.*

Tributary has (check all that apply):
☐ Bed and banks
☐ OHWM[6] (check all indicators that apply):
☐ clear, natural line impressed on the bank ☐ the presence of litter and debris
☐ changes in the character of soil ☐ destruction of terrestrial vegetation
☐ shelving ☐ the presence of wrack line
☐ vegetation matted down, bent, or absent ☐ sediment sorting
☐ leaf litter disturbed or washed away ☐ scour
☐ sediment deposition ☐ multiple observed or predicted flow events
☐ water staining ☐ abrupt change in plant community *Click here to enter text.*
☐ other (list): *Click here to enter text.*
☐ Discontinuous OHWM.[7] Explain: *Click here to enter text.*

If factors other than the OHWM were used to determine lateral extent of CWA jurisdiction (check all that apply):

[5] Flow route can be described by identifying, e.g., tributary a, which flows through the review area, to flow into tributary b, which then flows into TNW.
[6] A natural or man-made discontinuity in the OHWM does not necessarily sever jurisdiction (e.g., where the stream temporarily flows underground, or where the OHWM has been removed by development or agricultural practices). Where there is a break in the OHWM that is unrelated to the waterbody's flow regime (e.g., flow over a rock outcrop or through a culvert), the agencies will look for indicators of flow above and below the break.
[7] Ibid.

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

- ☐ High Tide Line indicated by:
  - ☐ oil or scum line along shore objects
  - ☐ fine shell or debris deposits (foreshore)
  - ☐ physical markings/characteristics
  - ☐ tidal gauges
  - ☐ other (list): *Click here to enter text.*
- ☐ Mean High Water Mark indicated by:
  - ☐ survey to available datum;
  - ☐ physical markings;
  - ☐ vegetation lines/changes in vegetation types.

(iii) Chemical Characteristics:

Characterize tributary (e.g., water color is clear, discolored, oily film; water quality; general watershed characteristics, etc.).
Explain:
Identify specific pollutants, if known:

(iv) Biological Characteristics. Channel supports (check all that apply):

- ☐ Riparian corridor. Characteristics (type, average width):
- ☐ Wetland fringe. Characteristics: .
- ☐ Habitat for:
  - ☐ Federally Listed species. Explain findings: *Click here to enter text.*
  - ☐ Fish/spawn areas. Explain findings: *Click here to enter text.*
  - ☐ Other environmentally-sensitive species. Explain findings: *Click here to enter text.*
  - ☐ Aquatic/wildlife diversity. Explain findings: .

2. Characteristics of wetlands adjacent to non-TNW that flow directly or indirectly into TNW

(i) Physical Characteristics:

(a) General Wetland Characteristics:
Properties:
Wetland size:
Wetland type. Explain:
Wetland quality. Explain:
Project wetlands cross or serve as state boundaries. Explain:

(b) General Flow Relationship with Non-TNW:
Flow is: Intermittent and Ephemeral Flow Explain:

Surface flow is: Discrete and Confined
Characteristics:.

Subsurface flow: *Choose an item.* Explain findings: *Click here to enter text.*
- ☐ Dye (or other) test performed: *Click here to enter text.*

(c) Wetland Adjacency Determination with Non-TNW:
- ☐ Directly abutting:
- ☐ Not directly abutting:
  - ☐ Discrete wetland hydrologic connection. Explain:
  - ☐ Ecological connection. Explain:
  - ☐ Separated by berm/barrier. Explain: *Click here to enter text.*

(d) Proximity (Relationship) to TNW
Project wetlands are *Choose an item.* river miles from TNW.
Project waters are *Choose an item.* aerial (straight) miles from TNW.
Flow is from: *Choose an item.*
Estimate approximate location of wetland as within the *Choose an item.* floodplain.

(ii) Chemical Characteristics:

Characterize wetland system (e.g., water color is clear, brown, oil film on surface; water quality; general watershed characteristics; etc.). Explain:

(iii) Biological Characteristics. Wetland supports (check all that apply):

- ☐ Riparian buffer. Characteristics (type, average width):
- ☐ Vegetation type/percent cover. Explain:
- ☐ Habitat for:
- ☐ Federally Listed species. Explain findings: *Click here to enter text.*
- ☐ Fish/spawn areas. Explain findings: *Click here to enter text.*
- ☐ Other environmentally-sensitive species. Explain findings: *Click here to enter text.*
- ☐ Aquatic/wildlife diversity. Explain findings:

3. Characteristics of all wetlands adjacent to the tributary (if any)

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

All wetland(s) being considered in the cumulative analysis: *Choose an item.*
Approximately (#) acres in total are being considered in the cumulative analysis.
For each wetland, specify the following:

Directly abuts? (Y/N)	Size (in acres)	Directly abuts? (Y/N)	Size (in acres)

Summarize overall biological, chemical and physical functions being performed:

C. SIGNIFICANT NEXUS DETERMINATION

A significant nexus analysis will assess the flow characteristics and functions of the tributary itself and the functions performed by any wetlands adjacent to the tributary to determine if they significantly affect the chemical, physical, and biological integrity of a TNW. For each of the following situations, a significant nexus exists if the tributary, in combination with all of its adjacent wetlands, has more than a speculative or insubstantial effect on the chemical, physical and/or biological integrity of a TNW. Considerations when evaluating significant nexus include, but are not limited to the volume, duration, and frequency of the flow of water in the tributary and its proximity to a TNW, and the functions performed by the tributary and all its adjacent wetlands. It is not appropriate to determine significant nexus based solely on any specific threshold of distance (e.g. between a tributary and its adjacent wetland or between a tributary and the TNW). Similarly, the fact an adjacent wetland lies within or outside of a floodplain is not solely determinative of significant nexus.

Draw connections between the features documented and the effects on the TNW, as identified in the *Rapanos* Guidance and discussed in the Instructional Guidebook. Factors to consider include, for example:

- Does the tributary, in combination with its adjacent wetlands (if any), have the capacity to carry pollutants or flood waters to TNWs, or to reduce the amount of pollutants or flood waters reaching a TNW?
- Does the tributary, in combination with its adjacent wetlands (if any), provide habitat and lifecycle support functions for fish and other species, such as feeding, nesting, spawning, or rearing young for species that are present in the TNW?
- Does the tributary, in combination with its adjacent wetlands (if any), have the capacity to transfer nutrients and organic carbon that support downstream foodwebs?
- Does the tributary, in combination with its adjacent wetlands (if any), have other relationships to the physical, chemical, or biological integrity of the TNW?

Note: the above list of considerations is not inclusive and other functions observed or known to occur should be documented below:

1. **Significant nexus findings for non-RPW that has no adjacent wetlands and flows directly or indirectly into TNWs.** Explain findings of presence or absence of significant nexus below, based on the tributary itself, then go to Section III.D: *Click here to enter text.*

2. **Significant nexus findings for non-RPW and its adjacent wetlands, where the non-RPW flows directly or indirectly into TNWs.** Explain findings of presence or absence of significant nexus below, based on the tributary in combination with all of its adjacent wetlands, then go to Section III.D: *Click here to enter text.*

3. **Significant nexus findings for wetlands adjacent to an RPW but that do not directly abut the RPW.** Explain findings of presence or absence of significant nexus below, based on the tributary in combination with all of its adjacent wetlands, then go to Section III.D:

D. DETERMINATIONS OF JURISDICTIONAL FINDINGS. THE SUBJECT WATERS/WETLANDS ARE (CHECK ALL THAT APPLY):

1. **TNWs and Adjacent Wetlands.** Check all that apply and provide size estimates in review area:
   - ☐ TNWs: # linear feet # width (ft), Or, # acres.
   - ☐ Wetlands adjacent to TNWs: # acres.

2. **RPWs that flow directly or indirectly into TNWs.**
   - ☐ Tributaries of TNWs where tributaries typically flow year-round are jurisdictional. Provide data and rationale indicating that tributary is perennial: *Click here to enter text.*.
   - ☐ Tributaries of TNW where tributaries have continuous flow "seasonally" (e.g., typically three months each year) are jurisdictional. Data supporting this conclusion is provided at Section III.B. Provide rationale indicating that tributary flows seasonally:

     Provide estimates for jurisdictional waters in the review area (check all that apply):
     - ☐ Tributary waters: linear feet width (ft).
     - ☐ Other non-wetland waters: # acres.
       Identify type(s) of waters: *Click here to enter text.*

3. **Non-RPWs[8] that flow directly or indirectly into TNWs.**
   - ☐ Waterbody that is not a TNW or an RPW, but flows directly or indirectly into a TNW, and it has a significant nexus with a TNW is jurisdictional. Data supporting this conclusion is provided at Section III.C.

   Provide estimates for jurisdictional waters within the review area (check all that apply):
   - ☐ Tributary waters: # linear feet # width (ft).
   - ☐ Other non-wetland waters: # acres.
     Identify type(s) of waters: *Click here to enter text.*

4. **Wetlands directly abutting an RPW that flow directly or indirectly into TNWs.**

[8]See Footnote # 3.

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

☐ Wetlands directly abut RPW and thus are jurisdictional as adjacent wetlands.

☐ Wetlands directly abutting an RPW where tributaries typically flow year-round. Provide data and rationale indicating that tributary is perennial in Section III.D.2, above. Provide rationale indicating that wetland is directly abutting an RPW:

☐ Wetlands directly abutting an RPW where tributaries typically flow "seasonally." Provide data indicating that tributary is seasonal in Section III.B and rationale in Section III.D.2, above. Provide rationale indicating that wetland is directly abutting an RPW:

Provide acreage estimates for jurisdictional wetlands in the review area: .

5. **Wetlands adjacent to but not directly abutting an RPW that flow directly or indirectly into TNWs.**

☐ Wetlands that do not directly abut an RPW, but when considered in combination with the tributary to which they are adjacent and with similarly situated adjacent wetlands, have a significant nexus with a TNW are jurisidictional. Data supporting this conclusion is provided at Section III.C.

Provide acreage estimates for jurisdictional wetlands in the review area:

Wetlands adjacent to non-RPWs that flow directly or indirectly into TNWs.

☐ Wetlands adjacent to such waters, and have when considered in combination with the tributary to which they are adjacent and with similarly situated adjacent wetlands, have a significant nexus with a TNW are jurisdictional. Data supporting this conclusion is provided at Section III.C.

Provide estimates for jurisdictional wetlands in the review area: # acres.

7. **Impoundments of jurisdictional waters.**[9]

As a general rule, the impoundment of a jurisdictional tributary remains jurisdictional.

☐ Demonstrate that impoundment was created from "waters of the U.S.," or

☐ Demonstrate that water meets the criteria for one of the categories presented above (1-6), or

☐ Demonstrate that water is isolated with a nexus to commerce (see E below).

E. ISOLATED [INTERSTATE OR INTRA-STATE] WATERS, INCLUDING ISOLATED WETLANDS, THE USE, DEGRADATION OR DESTRUCTION OF WHICH COULD AFFECT INTERSTATE COMMERCE, INCLUDING ANY SUCH WATERS (CHECK ALL THAT APPLY):[10]

☐ which are or could be used by interstate or foreign travelers for recreational or other purposes.

☐ from which fish or shellfish are or could be taken and sold in interstate or foreign commerce.

☐ which are or could be used for industrial purposes by industries in interstate commerce.

☐ Interstate isolated waters. Explain: *Click here to enter text.*

☐ Other factors. Explain: *Click here to enter text.*

Identify water body and summarize rationale supporting determination: *Click here to enter text.*

Provide estimates for jurisdictional waters in the review area (check all that apply):

☐ Tributary waters: # linear feet # width (ft).

☐ Other non-wetland waters: # acres.

Identify type(s) of waters: *Click here to enter text.*

☐ Wetlands: # acres.

F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS (CHECK ALL THAT APPLY):

☐ If potential wetlands were assessed within the review area, these areas did not meet the criteria in the 1987 Corps of Engineers Wetland Delineation Manual and/or appropriate Regional Supplements.

☑ Review area included isolated waters with no substantial nexus to interstate (or foreign) commerce.

☑ Prior to the Jan 2001 Supreme Court decision in "*SWANCC*," the review area would have been regulated based solely on the "Migratory Bird Rule" (MBR).

☐ Waters do not meet the "Significant Nexus" standard, where such a finding is required for jurisdiction. Explain: *Click here to enter text.*

☐ Other: (explain, if not covered above): *Click here to enter text.*

Provide acreage estimates for non-jurisdictional waters in the review area, where the sole potential basis of jurisdiction is the MBR factors (i.e., presence of migratory birds, presence of endangered species, use of water for irrigated agriculture), using best professional judgment (check all that apply):

☐ Non-wetland waters (i.e., rivers, streams): # linear feet # width (ft).

☐ Lakes/ponds: # acres.

☐ Other non-wetland waters: # acres. List type of aquatic resource: *Click here to enter text.*.

☑ Wetlands: 1.55 acres.

[9] To complete the analysis refer to the key in Section III.D.6 of the Instructional Guidebook.

[10] Prior to asserting or declining CWA jurisdiction based solely on this category, Corps Districts will elevate the action to Corps and EPA HQ for review consistent with the process described in the Corps/EPA *Memorandum Regarding CWA Act Jurisdiction Following Rapanos.*

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

Provide acreage estimates for non-jurisdictional waters in the review area that do not meet the "Significant Nexus" standard, where su finding is required for jurisdiction (check all that apply):

- ☐ Non-wetland waters (i.e., rivers, streams): # linear feet # width (ft).
- ☐ Lakes/ponds: # acres.
- ☐ Other non-wetland waters: # acres. List type of aquatic resource: *Click here to enter text.*.
- ☐ Wetlands: acres.

SECTION IV: DATA SOURCES.

A. SUPPORTING DATA. Data reviewed for JD (check all that apply - checked items shall be included in case file and, where checked and requested, appropriately reference sources below):

- ☑ Maps, plans or plots submitted by or on behalf of the applicant/consultant: Delineation report submitted by WET, Inc dated July 2019; Additional information from WET dated November 15, 2019 .
- ☑ Data sheets prepared/submitted by or on behalf of the applicant/consultant.
  - ☑ Office concurs with data sheets/delineation report.
  - ☐ Office does not concur with data sheets/delineation report.
- ☐ Data sheets prepared by the Corps:
- ☐ Corps navigable waters' study: *Click here to enter text.*
- ☐ U.S. Geological Survey Hydrologic Atlas: *Click here to enter text.*
  - ☐ USGS NHD data.
  - ☐ USGS 8 and 12 digit HUC maps.
- ☑ U.S. Geological Survey map(s). Cite scale & quad name: Clarence Center USGS Quad, delineated parcel located.
- ☑ USDA Natural Resources Conservation Service Soil Survey: USDA-NRCS Web Soil Survey – Mapped Hydric/Potentially Hydric soils are found within the delineated boundary.
- ☑ National wetlands inventory map(s). Cite name: USFWS Wetland Mapper – No mapped Federal wetlands are found within the delineated boundary.
- ☑ State/Local wetland inventory map(s): NYSDEC Environmental Resource Mapper – No mapped State regulated wetland is located within the vicinity of the delineated parcel
- ☐ FEMA/FIRM maps: *Click here to enter text.*
- ☐ 100-year Floodplain Elevation is: *Click here to enter text.* (National Geodectic Vertical Datum of 1929)
- ☑ Photographs: ☑ Aerial (Name & Date): Google Earth, Bing Maps
  - ☐ or ☑ Other (Name & Date): Photos included with the delineation report and additional information
- ☐ Previous determination(s). File no. and date of response letter: *Click here to enter text.*
- ☐ Applicable/supporting case law: *Click here to enter text.*
- ☐ Applicable/supporting scientific literature: *Click here to enter text.*
- ☐ Other information (please specify): *Click here to enter text.*

B. ADDITIONAL COMMENTS TO SUPPORT JD: Isolated wetlands A (1.52 acres) and C (0.03 acres) were field verified by the Corps of Engineers on October 30, 2019. The perimeter of the wetlands were walked and no evidence of any connections to other waters were identified. There were no connections between the wetlands and any other waters on the Clarence Center USGS Quad or the USDA/NRCS Web Soil Survey. The Wetlands are isolated and outside the Department of the Army's jurisdiction. The determination is supported by the review of in-house resources and field verified. None of the 328.3(a)(3)(i-iii) factors are relevant in this case. The wetlands don't support recreational or other use by interstate travelers, nor provide habitat for amphibians or other aquatic species. The wetlands offer no use for industrial or commercial purposes. The wetlands were determined to be isolated and therefore non-jurisdictional. The Unnamed Tributary to Ransom Creek and Wetland B will be verified under a Preliminary Jurisdictional Determination.

Joseph Rowley

March 26, 2020

Joseph M. Rowley
Project Manager

Date

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

Appendix 2 - PRELIMINARY JURISDICTIONAL DETERMINATION (PJD) FORM

BACKGROUND INFORMATION

A. REPORT COMPLETION DATE FOR PJD: March 26, 2020

B. NAME AND ADDRESS OF PERSON REQUESTING PJD:

David J. Reilly
Uniland Construction
University Corporate Centre
100 Corporate Pkwy, Suite 500
Amherst, New York 14226

C. DISTRICT OFFICE, FILE NAME, AND NUMBER: 2003-00052 Uniland Construction (3750/3800 Millersport Highway)

D. PROJECT LOCATION(S) AND BACKGROUND INFORMATION:
(USE THE TABLE BELOW TO DOCUMENT MULTIPLE AQUATIC RESOURCES AND/OR AQUATIC RESOURCES AT DIFFERENT SITES)

State: New York County/parish/borough: Erie City: Amherst

Center coordinates of site (lat/long in degree decimal format):

Lat.: 43.0427 Long.: -78.7408

Universal Transverse Mercator:

Name of nearest waterbody: Ransom Creek

E. REVIEW PERFORMED FOR SITE EVALUATION (CHECK ALL THAT APPLY):

☒ Office (Desk) Determination. Date: July 15, 2019

☐ Field Determination. Date(s):

TABLE OF AQUATIC RESOURCES IN REVIEW AREA WHICH "MAY BE" SUBJECT TO REGULATORY JURISDICTION.

Site number	Latitude (decimal degrees)	Longitude (decimal degrees)	Estimated amount of aquatic resource in review area (acreage and linear feet, if applicable)	Type of aquatic resource (i.e., wetland vs. non-wetland waters)	Geographic authority to which the aquatic resource "may be" subject (i.e., Section 404 or Section 10/404
Wetland B (2019)	43.0426	-78.7396	0.204 acres	Wetland	Sec 404
Unnamed Tributary to Ransom Creek	43.0428	-78.7401	1027 LF	Non-wetland	Sec 404

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

1) The Corps of Engineers believes that there may be jurisdictional aquatic resources in the review area, and the requestor of this PJD is hereby advised of his or her option to request and obtain an approved JD (AJD) for that review area based on an informed decision after having discussed the various types of JDs and their characteristics and circumstances when they may be appropriate.

2) In any circumstance where a permit applicant obtains an individual permit, or a Nationwide General Permit (NWP) or other general permit verification requiring "pre-construction notification" (PCN), or requests verification for a non-reporting NWP or other general permit, and the permit applicant has not requested an AJD for the activity, the permit applicant is hereby made aware that: (1) the permit applicant has elected to seek a permit authorization based on a PJD, which does not make an official determination of jurisdictional aquatic resources; (2) the applicant has the option to request an AJD before accepting the terms and conditions of the permit authorization, and that basing a permit authorization on an AJD could possibly result in less compensatory mitigation being required or different special conditions; (3) the applicant has the right to request an individual permit rather than accepting the terms and conditions of the NWP or other general permit authorization; (4) the applicant can accept a permit authorization and thereby agree to comply with all the terms and conditions of that permit, including whatever mitigation requirements the Corps has determined to be necessary; (5) undertaking any activity in reliance upon the subject permit authorization without requesting an AJD constitutes the applicant's acceptance of the use of the PJD; (6) accepting a permit authorization (e.g., signing a proffered individual permit) or undertaking any activity in reliance on any form of Corps permit authorization based on a PJD constitutes agreement that all aquatic resources in the review area affected in any way by that activity will be treated as jurisdictional, and waives any challenge to such jurisdiction in any administrative or judicial compliance or enforcement action, or in any administrative appeal or in any Federal court; and (7) whether the applicant elects to use either an AJD or a PJD, the JD will be processed as soon as practicable. Further, an AJD, a proffered individual permit (and all terms and conditions contained therein), or individual permit denial can be administratively appealed pursuant to 33 C.F.R. Part 331. If, during an administrative appeal, it becomes appropriate to make an official determination whether geographic jurisdiction exists over aquatic resources in the review area, or to provide an official delineation of jurisdictional aquatic resources in the review area, the Corps will provide an AJD to accomplish that result, as soon as is practicable. This PJD finds that there *"may be"* waters of the U.S. and/or that there *"may be"* navigable waters of the U.S. on the subject review area, and identifies all aquatic features in the review area that could be affected by the proposed activity, based on the following information:

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

SUPPORTING DATA. Data reviewed for PJD (check all that apply)

Checked items should be included in subject file. Appropriately reference sources below where indicated for all checked items:

☒ Maps, plans, plots or plat submitted by or on behalf of the PJD requestor:
Map: Delineation report submitted by WET dated July 11, 2019_____
☒ Data sheets prepared/submitted by or on behalf of the PJD requestor.
☒ Office concurs with data sheets/delineation report.
☐ Office does not concur with data sheets/delineation report. Rationale: _____.
☐ Data sheets prepared by the Corps: _____.
☐ Corps navigable waters' study: _____.
☐ U.S. Geological Survey Hydrologic Atlas: _____.
☐ USGS NHD data.
☐ USGS 8 and 12 digit HUC maps.
☒ U.S. Geological Survey map(s). Cite scale & quad name: USGS Clarence Center-delineated parcel located_____.
☒ Natural Resources Conservation Service Soil Survey. Citation: USDA/NRCS Web Soil Survey-mapped hydric/potential hydric soils located on the delineated parcel_____.
☒ National wetlands inventory map(s). Cite name: USFWS Wetland Mapper-mapped Federal located on delineated parcel_____.
☒ State/local wetland inventory map(s): NYSDEC Environmental Resource Mapper-no mapped State regulated wetlands located on delineated parcel_____.
☐ FEMA/FIRM maps: _____
☐ 100-year Floodplain Elevation is: ____. (National Geodetic Vertical Datum of 1929)
☒ Photographs:
☒ Aerial (Name & Date): Bing/Google Maps-delineated parcel located___.
☒ Other (Name & Date): Photos included with delineation report_____.
☐ Previous determination(s). File no. and date of response letter: _____.
☐ Other information (please specify): _____.

IMPORTANT NOTE: The information recorded on this form has not necessarily been verified by the Corps and should not be relied upon for later jurisdictional determinations.

Joseph Rowley 3/26/2020

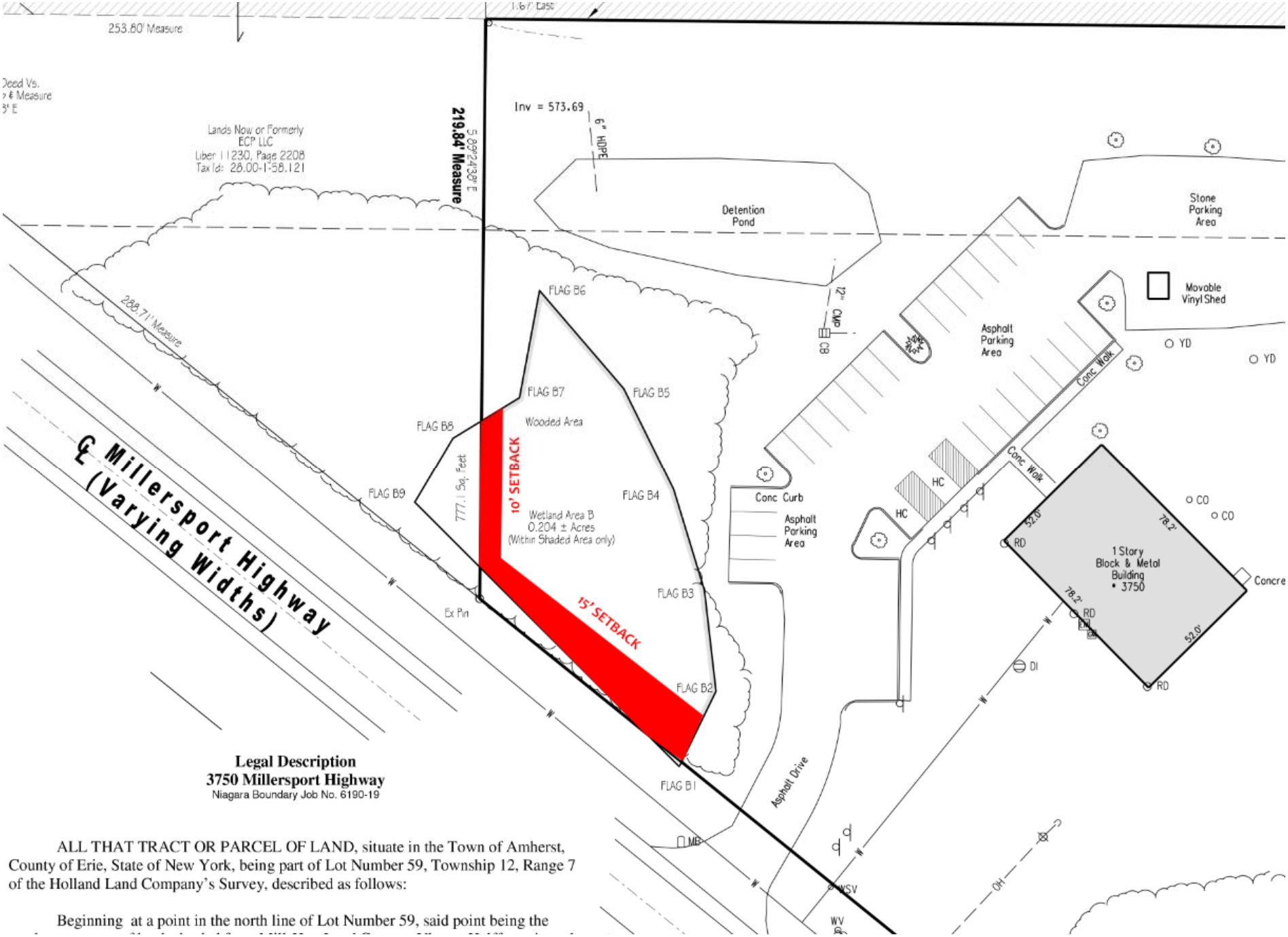
Signature and date of Regulatory staff member completing PJD

Signature and date of person requesting PJD (REQUIRED, unless obtaining the signature is impracticable)[1]

[1] Districts may establish timeframes for requestor to return signed PJD forms. If the requestor does not respond within the established time frame, the district may presume concurrence and no additional follow up is necessary prior to finalizing an action.

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

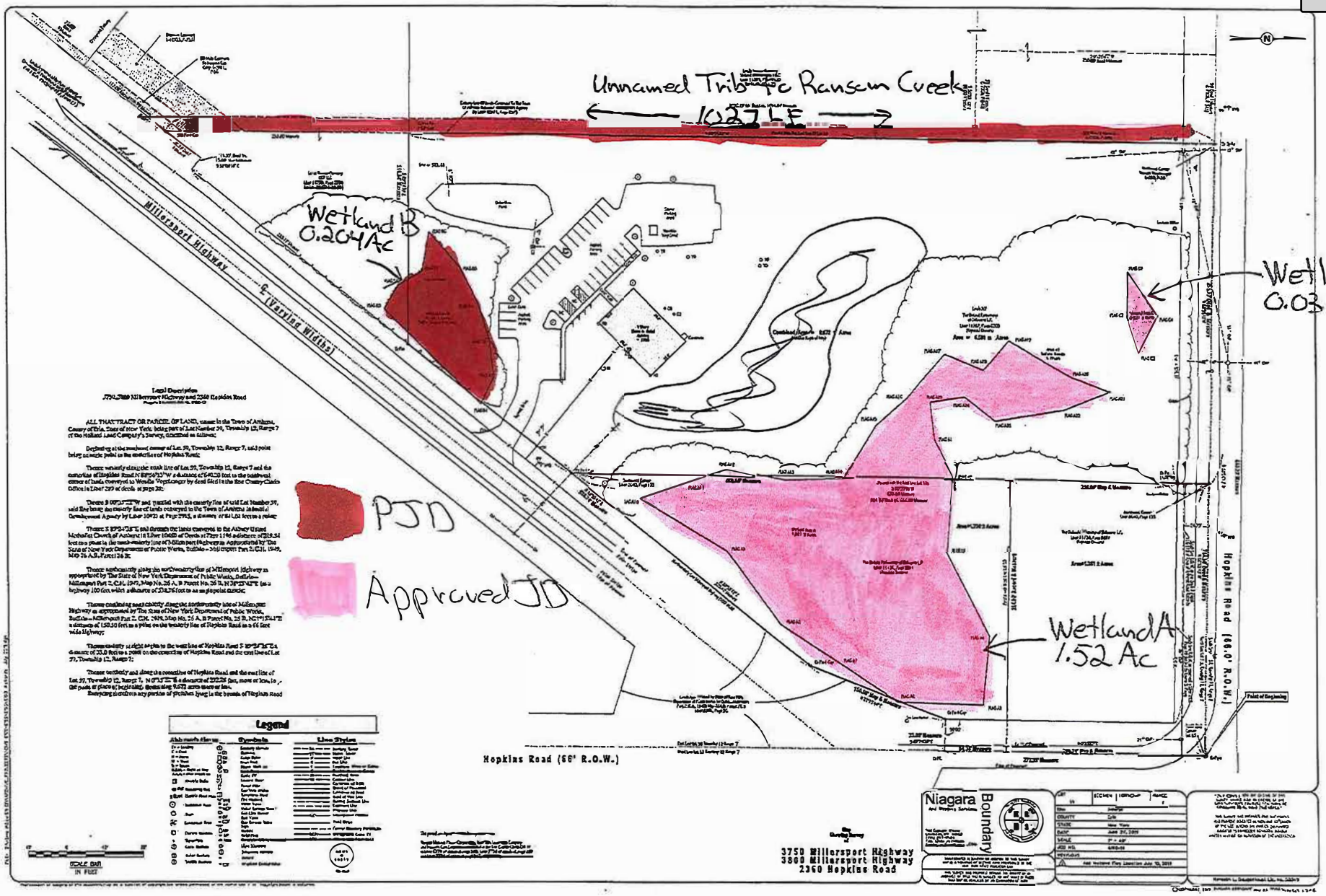


Legal Description
3750 Millersport Highway
Niagara Boundary Job No. 6190-19

ALL THAT TRACT OR PARCEL OF LAND, situate in the Town of Amherst, County of Erie, State of New York, being part of Lot Number 59, Township 12, Range 7 of the Holland Land Company's Survey, described as follows:

Beginning at a point in the north line of Lot Number 59, said point being the

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport,



Uniland Development
DA# 2003-00052
Erie County
USGS: Clarence Center
Sheet 1 of 1

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport,

Wetland Delineation Report

for

Asbury United Methodist Church

Town of Amherst
Erie County, New York

for

Asbury United Methodist Church

EARTH DIMENSIONS, INC.
Soil and Hydrogeologic Investigations • Wetland Delineation
1091 Jamison Road • Elma, NY 14059
(716) 655-1717 • Fax (716) 655-2915

October 9, 2006
EDI Project Code: W3I02a

RECEIVED
SEP 15 200-
TOWN OF AMHERST
PLANNING DEPT.

Z-9-08

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

REPORT SUMMARIZING
THE RESULTS OF
A WETLAND DELINEATION SURVEY OF

Asbury United Methodist Church

Prepared for Submission to

U.S. ARMY CORPS OF ENGINEERS
1776 NIAGARA STREET
BUFFALO, NEW YORK 14207

Prepared by

EARTH DIMENSIONS, INC.
1091 JAMISON ROAD
ELMA, NEW YORK 14059

for

ASBURY UNITED METHODIST CHURCH
3750 MILLERSPORT HIGHWAY
AMHERST, NEW YORK

DATE PREPARED
October 9, 2006

Project Code: W3I02a

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

PROJECT INFORMATION

Project Name	Asbury United Methodist Church
Street Address	3750 Millersport Highway
Town	Amherst
County	Erie
State	New York
Latitude/Longitude	43.0435°N, 78.7390°W
Consultant	Earth Dimensions, Inc. 1091 Jamison Road Elma, New York 14059
Point of Contact	Donald W. Owens (716) 655-1717
Engineer	To be announced
Property Owners	Asbury United Methodist Church
Waterway	unnamed tributary to Ransom Creek
Hydrologic Unit Code	04120104
Authority	Section 404
Previous Army Corps of Engineers Actions	2003-00052
Previous NYSDEC Actions	N/A
Permit/ Letter Being Requested	Jurisdictional Determination

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

EXECUTIVE SUMMARY

Asbury United Methodist Church has proposed the expansion of the existing building and associated parking lots on a 6.78± acre site located in a commercial/residential area in the Town of Amherst, County of Erie, State of New York. Asbury United Methodist Church has retained Earth Dimensions, Inc. (EDI) to complete a wetland delineation report that would allow the U.S. Army Corps of Engineers (Corps) and New York State Department of Environmental Conservation (NYSDEC) to determine their jurisdictional authority over the investigation area, pursuant to Section 404 of the Clean Water Act and Article 24 (Freshwater Wetlands) of the New York State Environmental Conservation Law.

A preliminary review of available information pertaining to vegetation, soils, and hydrology in the project area was implemented prior to conducting a field investigation at the site. Sources of information included the United States Geological Survey (USGS), Soil Conservation Service (SCS), National Wetland Inventory (NWI), and NYSDEC Freshwater Wetland maps. The Asbury United Methodist Church project site does not lie within a wetland under New York State jurisdiction. However, the SCS map indicates the possible presence of wetlands under Federal jurisdiction at the project site.

EDI identified two (2) wetland areas totaling 0.638± acres at the Asbury United Methodist Church project site. The identification numbers of the individual wetlands, their acreages and boundary flags are as follows:

Wetland Identification #	Boundary Flags	Total Acreage On-Site	Wetland Type
Wetland 1	W1-1 through W1-17	0.602 acres	Reed/Loosestrife Marsh
Wetland 2	W2-1 through W2-5	0.036 acres	Palustrine Forested Wetland

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

TABLE OF CONTENTS

Project Information i
Acknowledgements ii
Executive Summary iii
Table of Contents iv
List of Figures v
List of Attachments v
Section I: Introduction 1
Section II: Site Description 2
Section III: Preliminary Data Review 3
A. Summary of Findings 3
USGS Quadrangle Map 3
USFWS National Wetlands Inventory Map 3
SCS Erie County Soil Survey Map 4
NYSDEC Freshwater Wetlands Map 5
B. Results of Agency Information Review 5
Section IV: Field Investigation Procedures 6
Section V: Results and Conclusions 11
Section VI: Recommendations 14

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

LIST OF FIGURES

Figure 1 ..... USGS Quadrangle Map
Figure 2 ..... USFWS National Wetlands Inventory Map
Figure 3 ..... SCS Erie County Soil Survey Map
Figure 4 ..... NYSDEC Freshwater Wetlands Map
Figure 5 ..... General Soils Map
Figure 6 ..... General Vegetation Map
Figure 7 ..... Wetland Delineation Map

LIST OF ATTACHMENTS

Attachment A ..... Figures
Attachment B ..... Data Forms
Attachment C ..... Aerial Photograph
Attachment D ..... Site Photographs
Attachment E ..... References
Attachment F ..... Wetland Investigation and Report Preparation Personnel

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

SECTION I
INTRODUCTION

Asbury United Methodist Church has proposed the expansion of an existing development on a 6.78± acre parcel located in the Town of Amherst, County of Erie, State of New York. The site lies northwest of Millersport Highway and south of Hopkins Road. The project has been given the name Asbury United Methodist Church and is located on the USGS 7.5 minute quadrangle map indexed as Clarence Center Quadrangle (Figure 1).

Asbury United Methodist Church has retained Earth Dimensions, Inc. (EDI) to complete a wetland delineation study at the site. The investigation was designed to facilitate a determination of the extent of U.S. Army Corps of Engineers (Corps) and New York State Department of Environmental Conservation (NYSDEC) jurisdiction over the project area pursuant to Section 404 of the Clean Water Act and Article 24 (Freshwater Wetlands) of the New York State Environmental Conservation Law.

EDI has performed a wetland delineation study at the site under guidelines specified by the *Corps of Engineers Wetlands Delineation Manual*, dated January 1987 (referred to hereafter as the Corps Manual). The purpose of this report is to present EDI's methods, results, conclusions and recommendations with respect to the Asbury United Methodist Church project site.

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

SECTION II
SITE DESCRIPTION

The Asbury United Methodist Church project area is mostly rectangular in shape with a diagonal boundary along Millersport Highway. The site is bound by Hopkins Road and Millersport Highway. The site boundary is depicted on the wetland delineation map included as Figure 7 in Attachment A. The project site has a total acreage of 6.78± acres and is outlined on Figures 1 through 4, included in Attachment A of this report.

The natural topography of the Asbury United Methodist Church site is a generally flat to gently sloping landscape. The vegetative communities identified during the investigation area are described according to *Ecological Communities of New York State* (Edinger et al. 2002), with some regional variance. The wetland areas of the site are comprised of reed/ loosestrife marsh and palustrine forested wetland vegetative communities. The upland portions of the site consists of successional old field, mown/maintained lawn, successional northern hardwood and successional spoil pile communities (Figure 6).

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

SECTION III
PRELIMINARY DATA REVIEW

A. SUMMARY OF FINDINGS

Several sources of information may be reviewed to facilitate the completion of a wetland delineation study. In some cases it is even possible to make a preliminary office wetland determination based upon available vegetation, soils, and hydrologic information for a project site.

EDI completed a preliminary review of several data sources at the onset of this study. The results of the review are summarized as follows:

1. USGS Quadrangle Map

   Figure 1 depicts the Asbury United Methodist Church site on the Clarence Center Quadrangle 7.5 minute topographical map. The map depicts a generally flat landscape with the maintained town ditch/ tributary to Ransom Creek lying on-site, adjacent to the western property line.

2. USFWS National Wetlands Inventory Map

   The USFWS National Wetlands Inventory (NWI) map indexed as Clarence Center, 1978 depicts a wetland labeled "PFO1A" to the north of the project site, across Hopkins Road. The NWI designations are described as follows:

   [P] Palustrine, [FO] Forested, [1] Broad-leaved Deciduous, [A] Temporary

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

3. SCS Erie County Soil Survey Map

Figure 3 presents the project area outlined on a copy of the Erie County Soil Survey map (Sheet Number 9). As shown on that figure, the site has the following soil types:

Soil Conservation Service Legend

Designation	Description	Hydric Soil/ Inclusions?
Ch	Cheektowaga Fine sandy loam	Hydric soil
Cv	Cosad Loamy fine sand	Inclusions Possible

Cheektowaga- Poorly and very poorly drained, deep, nearly level (hydric soil); formed in sandy lake-laid sediments that are underlain by deposits with a high clay content; map indicates Cheektowaga soil across the majority of the project site.

Cosad- Somewhat poorly drained, deep, nearly level soil; formed in sandy sediments and in the underlying clayey lake-laid deposits; map indicates Cosad soil in the northeastern portion of the project site

The U.S. Department of Agriculture's National Technical Committee for Hydric Soils Criteria has developed a list of soils that often display hydric soil characteristics. Areas mapped as hydric soil have a high probability of being jurisdictional wetland. Cheektowaga is a hydric soil mapped on-site and would be the area of the site most likely to contain jurisdictional wetland. Although Cosad soil is not on the USDA hydric soil list, it has the potential for hydric soil inclusions.

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

4. NYSDEC Freshwater Wetlands Map

Figure 4 is a copy of the NYSDEC Freshwater Wetlands (FWW) map indexed as Clarence Center, 1986. No state regulated wetlands are depicted within or adjacent to the project site. Consequently, the NYSDEC has no apparent jurisdiction over any wetlands at the proposed project site.

B. RESULTS OF AGENCY INFORMATION REVIEW

The preliminary data review found no wetlands subject to NYSDEC jurisdiction at the Asbury United Methodist Church site, but evidence was gathered that suggested the Corps might have jurisdiction over potential wetlands at the project location. The evidence consisted of the depiction of a hydric soil and a soil with possible hydric inclusions at the project site location. It was considered necessary to perform a field investigation at the site in order to confirm the presence of federally protected wetlands. The methods specified in the *Corps of Engineers Wetlands Delineation Manual* (January 1987) were employed during the field investigation. Procedures, results, and conclusions of the wetland delineation study are presented in the remainder of this report.

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

SECTION IV

FIELD INVESTIGATION PROCEDURES

Step 1

EDI applied methodology specified by the Corps of Engineers Wetlands Delineation Manual (January 1987) to perform a delineation of Federal jurisdictional wetlands within the site. EDI used the Level 2 Routine Determination method (on-site inspection necessary) since insufficient information was already available for making a determination for the entire project area. This methodology is consistent with Part IV, Section D of the Corps Manual.

Step 2

EDI's initial evaluation of the project site revealed that no atypical situations existed. If an atypical situation had existed, EDI would have used methodology outlined in Part IV, Section F of the Corps manual.

Step 3

EDI made the determination that normal environmental conditions were present, as the area was not lacking hydrophytic vegetation or hydrologic indicators due to annual, seasonal or long-term fluctuations in precipitation, surface water, or groundwater levels. Field work was performed on September 15th, 2006, which is during the U.S. Department of Agriculture Natural Resources Conservation Service (NRCS) documented growing season (April 15th through October 15th).

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

Step 4

In order to accurately identify the limits of various vegetative communities and extent of wetlands on-site, transects were taken at approximately 200-foot intervals across the site. A baseline was established along the western property boundary. As outlined in the Corps Manual, the baseline should be perpendicular to the hydrologic gradient of the site. As depicted in Attachment A and included in Attachment B, 7 data points were used to characterize the site.

Step 5

The plant community inhabiting each observation point was characterized by EDI's Wetland Ecologist in accordance with methods specified in the Corps Manual. Dominant plant species were identified within four vegetative strata (i.e. herb, sapling/shrub, tree and liana (woody vines) at each sampling point. The Corps Manual defines the vegetative strata in the following manner:

Herb – A non-woody individual of a macrophytic species. Seedlings of woody plants (including vines) that are less than 3.2 feet in height are considered to be herbs.

Sapling/Shrub – A layer of vegetation composed of woody plants < 3.0 inches in diameter at breast height but greater than 3.2 feet in height, exclusive of woody vines.

Tree – A woody plant > 3.0 inches in diameter at breast height, regardless of height (exclusive of woody vines)

Liana – A layer of vegetation in forested plant communities that consists of woody vines.

As outlined in the manual, the quadrat sizes used for the vegetative strata were (i) a 3.28-foot radius for herbs; (ii) a ten-foot radius for saplings/shrubs and woody vines; and (iii) a 30-foot

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

radius for trees. Dominant plant species were estimated using aerial coverage methods. Dominant species are defined in the Corps Manual as the most abundant plant species that when ranked in descending order of abundance and cumulatively totaled immediately exceed 50 percent of the total dominance measure for the stratum, plus any additional species comprising 20 percent or more of the total dominance measure.

The wetland indicator status (OBL, FACW, FAC, FACU, or UPL) listed for each identified species by the U.S. Fish and Wildlife Service in the *National List of Plant Species that Occur in Wetlands: Northeast (Region 1)* was recorded. The U.S. Fish and Wildlife wetland indicator status listings are defined as follows:

OBL – Plants that occur almost always (estimated probability >99 percent) in wetlands under natural conditions, but which may also occur rarely (estimated probability < 1 percent) in nonwetlands.

FACW – Plants that occur usually (estimated probability >67 percent to 99 percent) in wetlands, but also occur (estimated probability 1 percent to 33 percent) in nonwetlands.

FAC – Plants with a similar likelihood (estimated probability 33 percent to 67 percent) of occurring in both wetlands and nonwetlands.

FACU – Plants that occur sometimes (estimated probability 1 percent to <33 percent) in wetlands, but occur more often (estimated probability >67 percent to 99 percent) in nonwetlands.

UPL – Plants that occur rarely (estimated probability < 1 percent) in wetlands, but occur almost always (estimated probability >99 percent) in nonwetlands under natural conditions.

The plant community data were summarized on the Data forms provided in the Corps Manual and are included in this report as Attachment B.

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

Step 6

Plant data from each observation point were tested against the hydrophytic vegetation criterion specified in the Corps Manual. If more than 50 percent of the dominant species present at the sample plot had an indicator status of OBL, FACW, and/or FAC, the hydrophytic vegetation criterion was considered to be met. All observation points that met the hydrophytic vegetation criterion were considered potential wetlands and soils were also characterized.

Step 7

The Corps Manual specifies that soils need not be characterized (and are assumed hydric soils) at sampling points meeting the hydrophytic vegetation criterion if: (i) all dominant plant species have an indicator status of OBL, or (ii) all dominant species have an indicator status of OBL and/or FACW, and the wetland boundary is abrupt (at least one dominant OBL species must be present). All observation points sampled during this field investigation were examined directly for soil and hydrologic characteristics.

Step 8

Soil borings were performed by EDI's Soil Scientist using methods specified in the Corps Manual at each observation point. Soil borings were dug using a stainless steel hand auger. The borings were examined for indicators of hydric soils immediately below the A-horizon or 10 inches (whichever was shallower). A determination was made as to whether or not the hydric soil

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

criterion was met. Soils data was recorded on the data forms included in Attachment B of this report.

Step 9

EDI's Soil Scientist examined hydrologic indicators using methods specified by the Corps Manual at each observation point. The wetland hydrology criterion was met if: (i) one or more primary field indicators was materially present, (ii) available hydrologic records provided necessary evidence, or (iii) two or more secondary indicators were present. Results were recorded on data forms taken from the Corps Manual and are included in this report as Attachment B.

Step 10

A wetland determination was made for every observation point. If a sample plot met the hydrophytic vegetation, hydric soil, and wetland hydrology criteria, the area was considered to be wetland.

Step 11

Based on the results of the transected data, wetland boundaries were established for each identified wetland using survey ribbon labeled "wetland delineation" and numbered consecutively along each wetland boundary. As outlined in the Corps Manual, the placement of flags was based on the limits of areas where all three parameters were met. Wetland flags were labeled W1-1 through W1-17 and W2-1 through W2-5.

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

SECTION V
RESULTS AND CONCLUSIONS

Earth Dimensions, Inc. (EDI) has completed a wetland delineation study at the Asbury United Methodist Church project site located in the Town of Amherst, County of Erie, State of New York. A preliminary data review revealed that the NYSDEC has no apparent jurisdiction over the proposed development under Article 24 of the New York State Environmental Conservation Law. However, information gathered from the SCS map indicates that wetlands might exist at the site that would be subject to jurisdiction by the U.S. Army Corps of Engineers.

A field investigation was conducted using a Soil Scientist and a Wetland Ecologist from EDI. The wetland delineation study found 0.638± acre of wetlands present at the site. All wetland acreage was calculated by the coordinate geometry method by the surveyor subcontracted to work with EDI, Niagara Boundary and Mapping Services.

General site maps are presented in Attachment A, Figures 5 and 6 that show the soil types and major plant communities found on the property.

Field examination of the soil on the site showed general agreement to the published SCS soil map (Figure 3). Cosad soil was identified throughout the majority of the site (data points D1-5) during the investigation. The wetland areas were found to be underlain by Cheektowaga soil (data point D7) and Udorthents soil fill (data point D6).

Figure 6 depicts the vegetative communities as they currently exist. The upland portions of the site can be characterized as successional northern hardwoods, successional old field, mown/maintained lawn and successional spoil pile vegetative communities. The successional northern hardwoods (data points D1, 4, 5) are dominated by poison ivy (*Toxicodendron radicans*),

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

small white aster (*Aster vimineus),* rough goldenrod (*Solidago rugosa),* jumpseed (*Tovara virginiana),* creeping jennie (*Lysimachia nummularia),* grey stemmed dogwood (*Cornus foemina* ssp. *racemosa),* European buckthorn (*Rhamnus cathartica),* red maple (*Acer rubrum),* green ash (*Fraxinus pennsylvanica*), American elm (*Ulmus americana),* Canada goldenrod (*Solidago canadensis),* Tartarian honeysuckle (*Lonicera tatarica),* aster (*Aster* sp.) and summer grape (*Vitis aestivalis*).

The portions of the site described as successional old field vegetative communities (data points D2-3, D5) are dominated by the following species: Kentucky bluegrass (*Poa pratensis),* Queen Anne's lace (*Daucus carota),* orchard grass (*Dactylis glomerata*), Canada goldenrod (*Solidago canadensis*), aster (*Aster* sp.), Eastern cottonwood (*Populus deltoides),* spotted knapweed (*Centaurea maculosa),* green ash (*Fraxinus pennsylvanica*), poison ivy (*Toxicodendron radicans),* black walnut (*Juglans nigra),* American elm (*Ulmus americana*), common reed (*Phragmites australis),* jumpseed (*Tovara virginiana),* rough goldenrod (*Solidago rugosa),* red maple (*Acer rubrum)* and gray-stem dogwood (*Cornus foemina* ssp. *racemosa*).

In areas identified on-site as successional spoil piles (adjacent to the maintained ditch/ tributary to Ransom Creek), no data was collected.

The wetland area identified as reed/ loosestrife marsh (data point D6) is dominated by species including sedge (*Carex spp.*), purple loosestrife (*Lythrum salicaria*), common reed (*Phragmites australis*), soft rush (*Juncus effusus),* aster (*Aster spp.),* and eastern cottonwood (*Populus deltoides*).

The wetland area identified as palustrine forested wetland (data point D7) is dominated by fowl manna grass (*Glyceria striata),* creeping jennie (*Lysimachia nummularia),* sensitive fern (*Onoclea sensibilis),* green ash (*Fraxinus pennsylvanica*), poison ivy (*Toxicodendron radicans),* American

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

elm (*Ulmus americana*), silky dogwood (*Cornus amomum),* jumpseed (*Tovara virginiana),* and red maple (*Acer rubrum).*

Drainage on-site is generally to the northeast. Wetland 1 is likely the result of past excavation efforts. Wetland 2 is located along northern portion of the site. Wetland 1 is connected to Waters of the U.S. and will likely be considered jurisdictional. Wetland 2 is not connected to Waters of the U.S. and will likely not be considered jurisdictional.

A map which depicts the surveyed wetland boundary points, the site boundaries, the photographic exhibit locations and the location of all observation points established during the field survey is included as Figure 7 in Attachment A of this report. Data forms are included as Attachment B. Attachment C consists of an aerial photograph of the site. Attachment D includes representative photographs of the project site. Attachment E notes the references used during the preparation of this report and during the field investigation. Attachment F provides the names, addresses and phone numbers of the survey personnel involved in the wetland delineation study.

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

SECTION VI
RECOMMENDATIONS

Two (2) wetland areas totaling 0.638± acres were identified during the course of a field investigation based upon the three parameter technique (vegetation, soils, and hydrology) outlined in the Corps Manual. It is EDI's professional opinion that wetland 1 as depicted on Figure 7 of this report appears to meet the current interpretation of federally jurisdictional wetlands. Wetland 2 as depicted on Figure 7 of this report does not appear to meet the current interpretation of federally jurisdictional wetlands.

The Corps and New York State Department of Environmental Conservation approach their regulatory analyses by first considering avoidance of wetlands and minimization of wetland losses. EDI recommends the following:

(1) If no impacts are proposed to potential federally regulated wetlands, it is the professional opinion of EDI that the project may proceed without the need for an Article 24 or Section 404 permit.

(2) If wetland impacts are proposed to less than 0.10 acre of potential federally jurisdictional wetland area, it is EDI's recommendation that the project may proceed under the current Nationwide 39 permit (valid until March 17, 2007) without the need for pre-notification to the U.S. Army Corps of Engineers. We strongly suggest the applicant thoroughly review the conditions of this permit. The permit language and other pertinent information can be found at http://www.usace.army.mil/inet/functions/cw/cecwo/reg/nationwidepermits.htm .

(3) If wetland impacts are proposed to greater than 0.10 acre of potentially Federally jurisdictional wetland area (including wetland areas EDI feels are isolated and non-jurisdictional), we recommend that this report, along with a Joint Application for Permit and required supporting documentation be submitted to the U.S. Army Corps of Engineers and New York State Department of Environmental Conservation for their jurisdictional determination and/or required permits.

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

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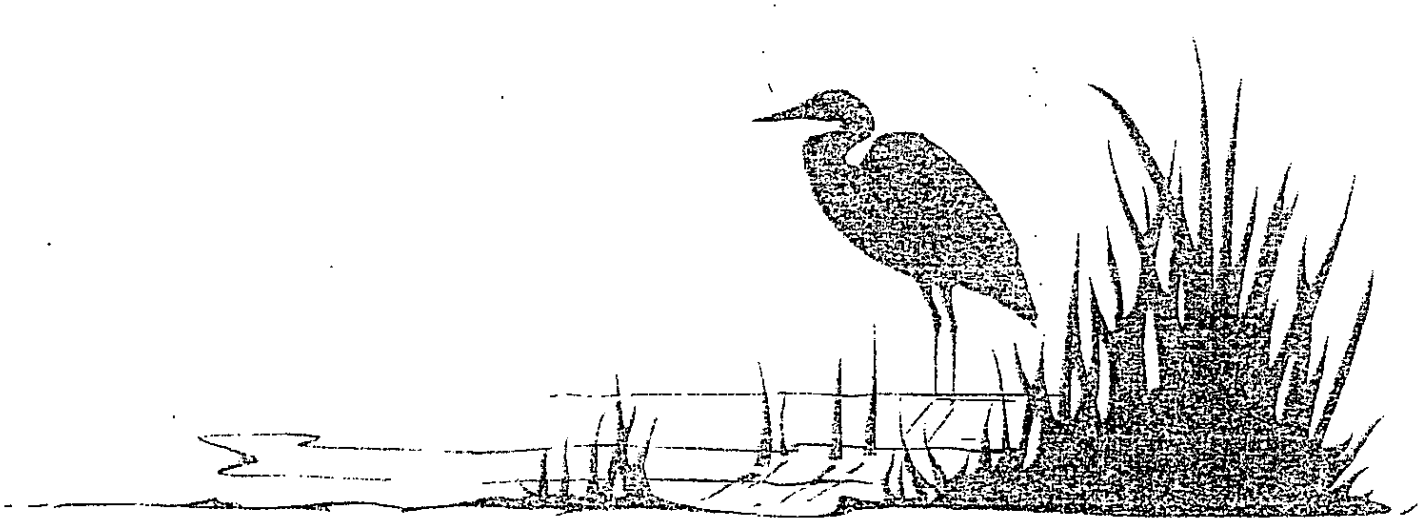
Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

Asbury United Methodist Church



ATTACHMENT A

Figures

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

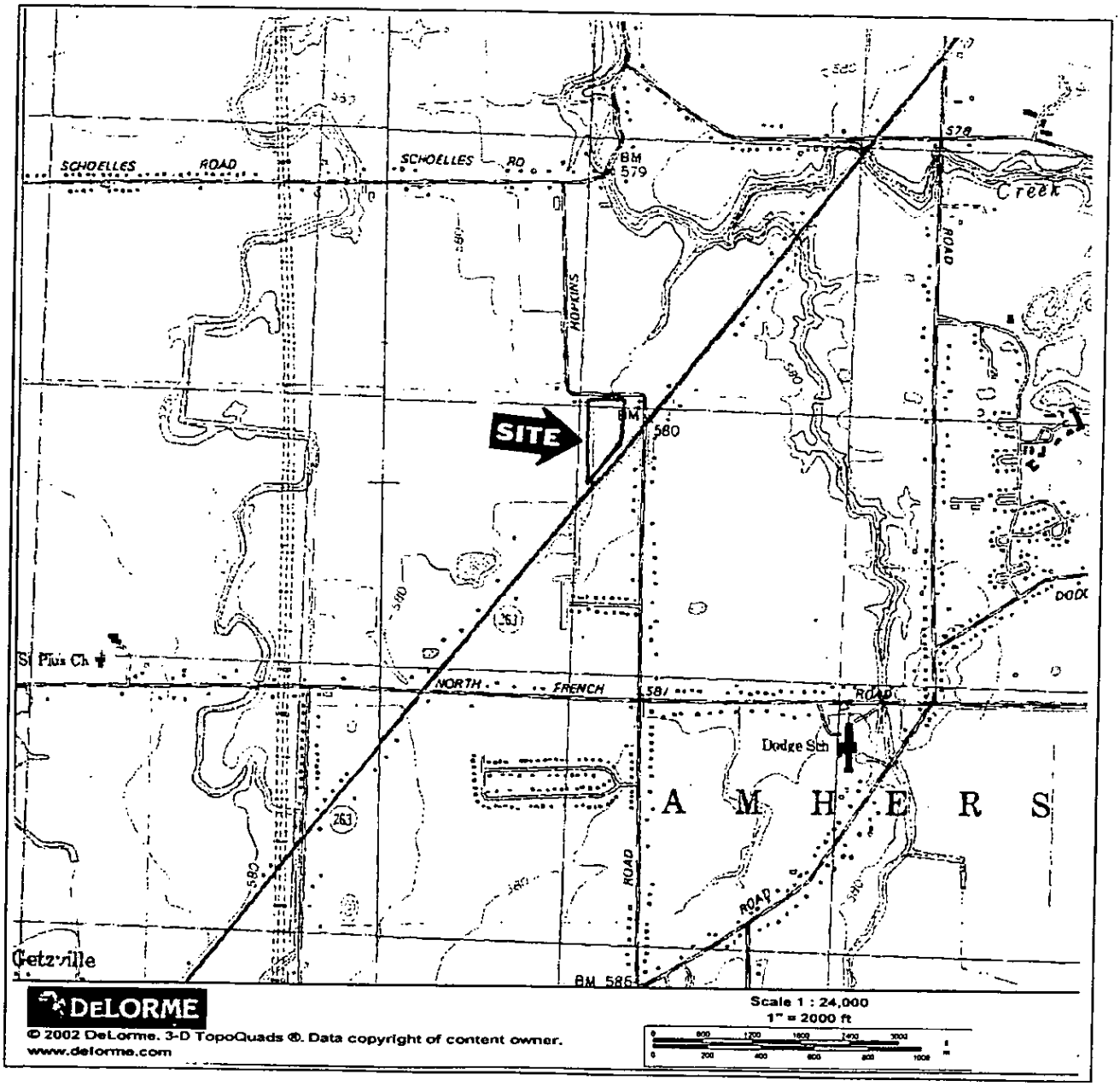


Figure 1: USGS 7.5 Minute Topographical Map
Clarence Center Quadrangle, DeLorme 2002

Asbury United Methodist Church
Town of Amherst, Erie County, New York

Scale: 1" = 2000'

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

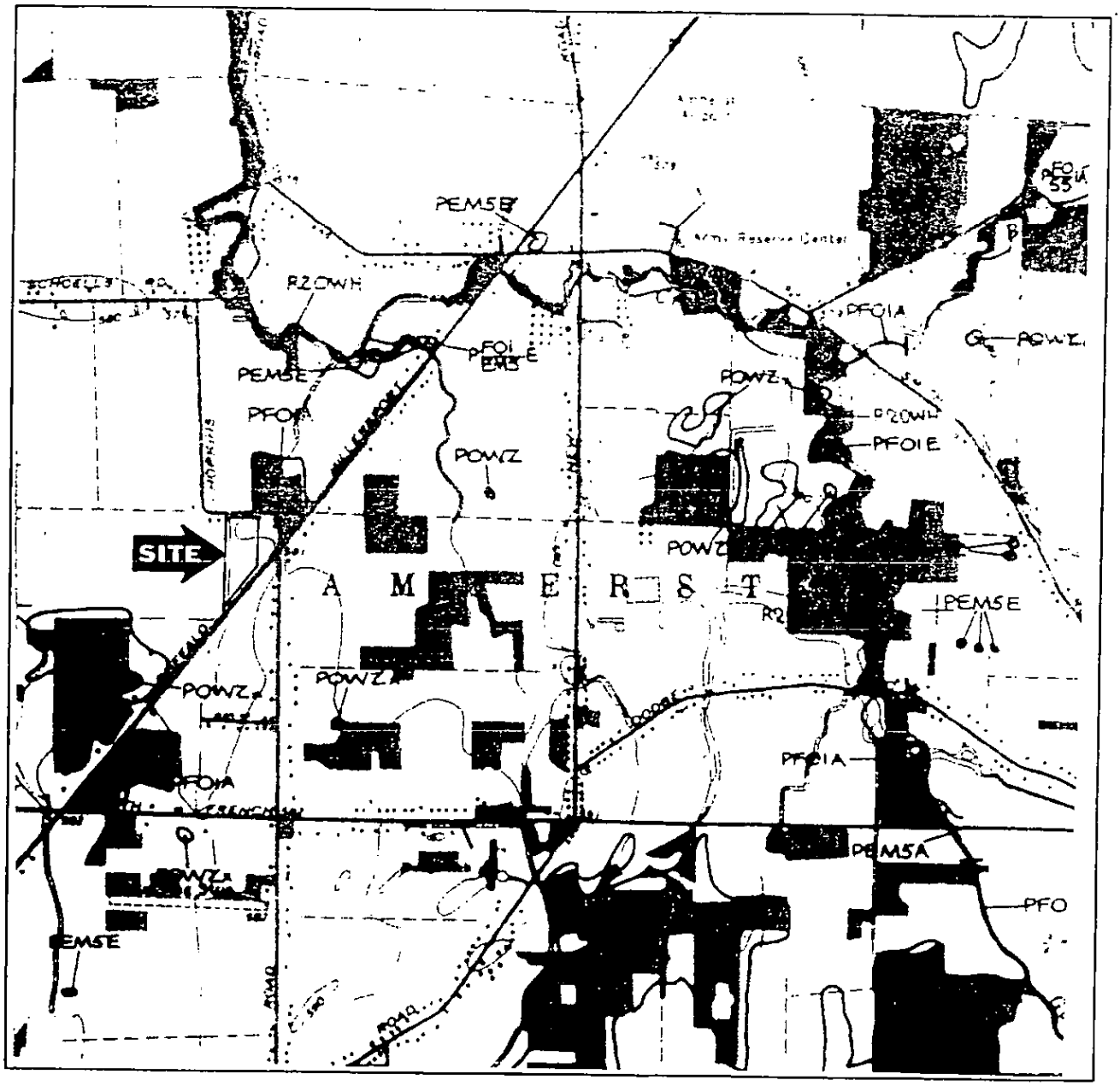


Figure 2: National Wetlands Inventory Map
Clarence Center Quadrangle, 1978

Asbury United Methodist Church
Town of Amherst, Erie County, New York

Scale: 1" = 2000'

EARTH DIMENSIONS, INC.

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

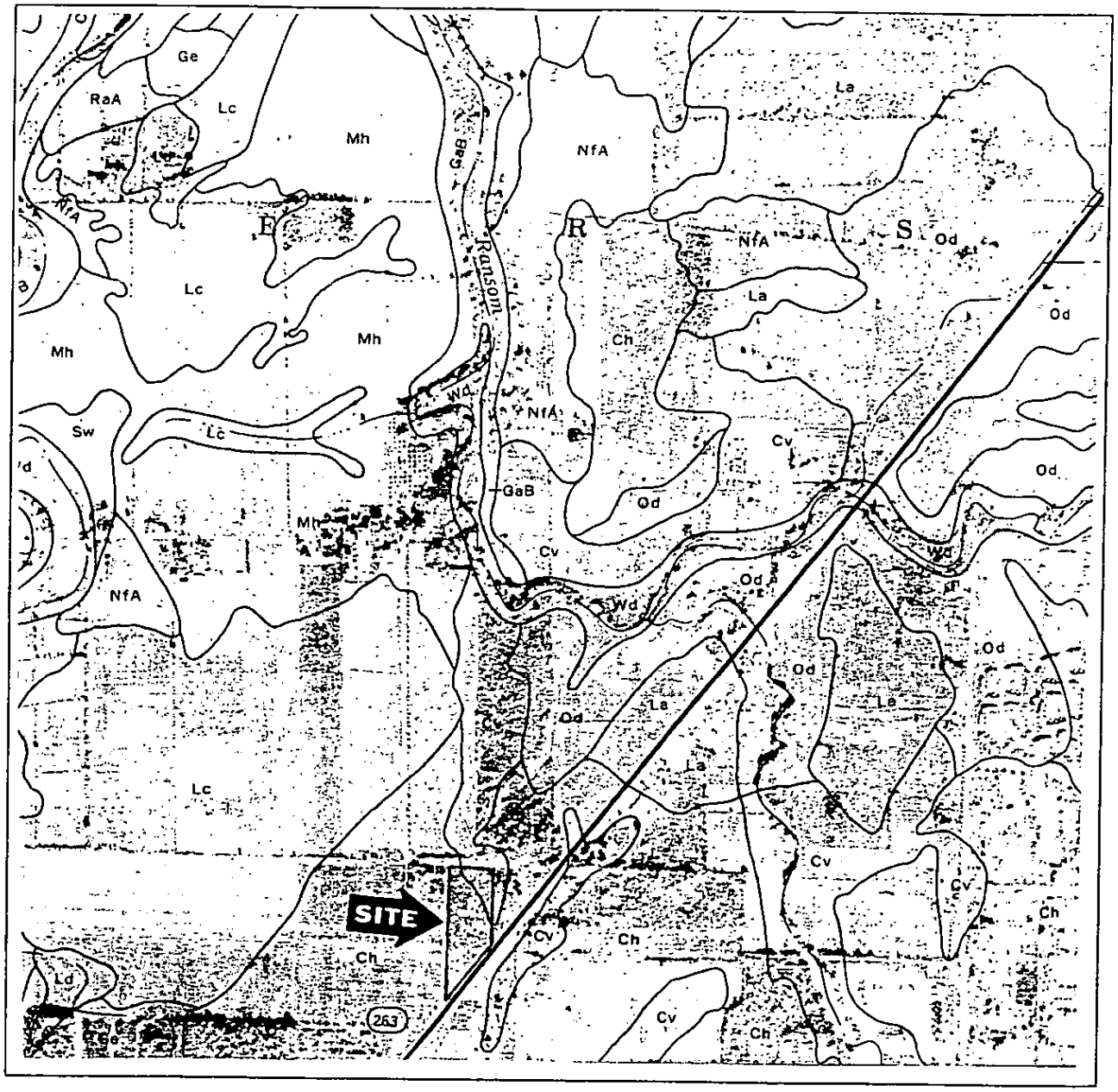


Figure 3: SCS Erie County Soil Survey Map
Sheet Number 9

Asbury United Methodist Church
Town of Amherst, Erie County, New York

Scale: 1" = 1320'

EARTH DIMENSIONS, INC.

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

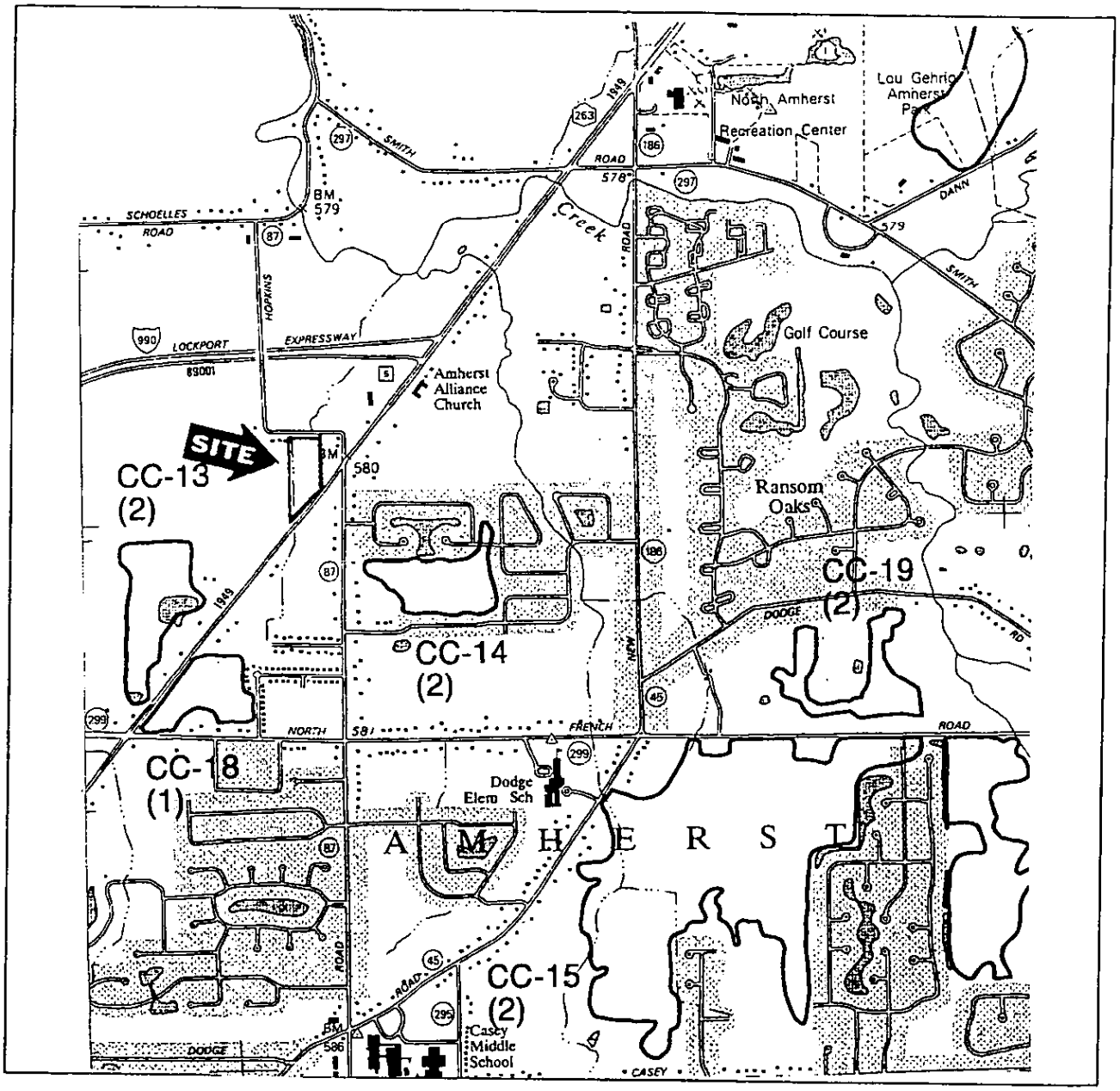


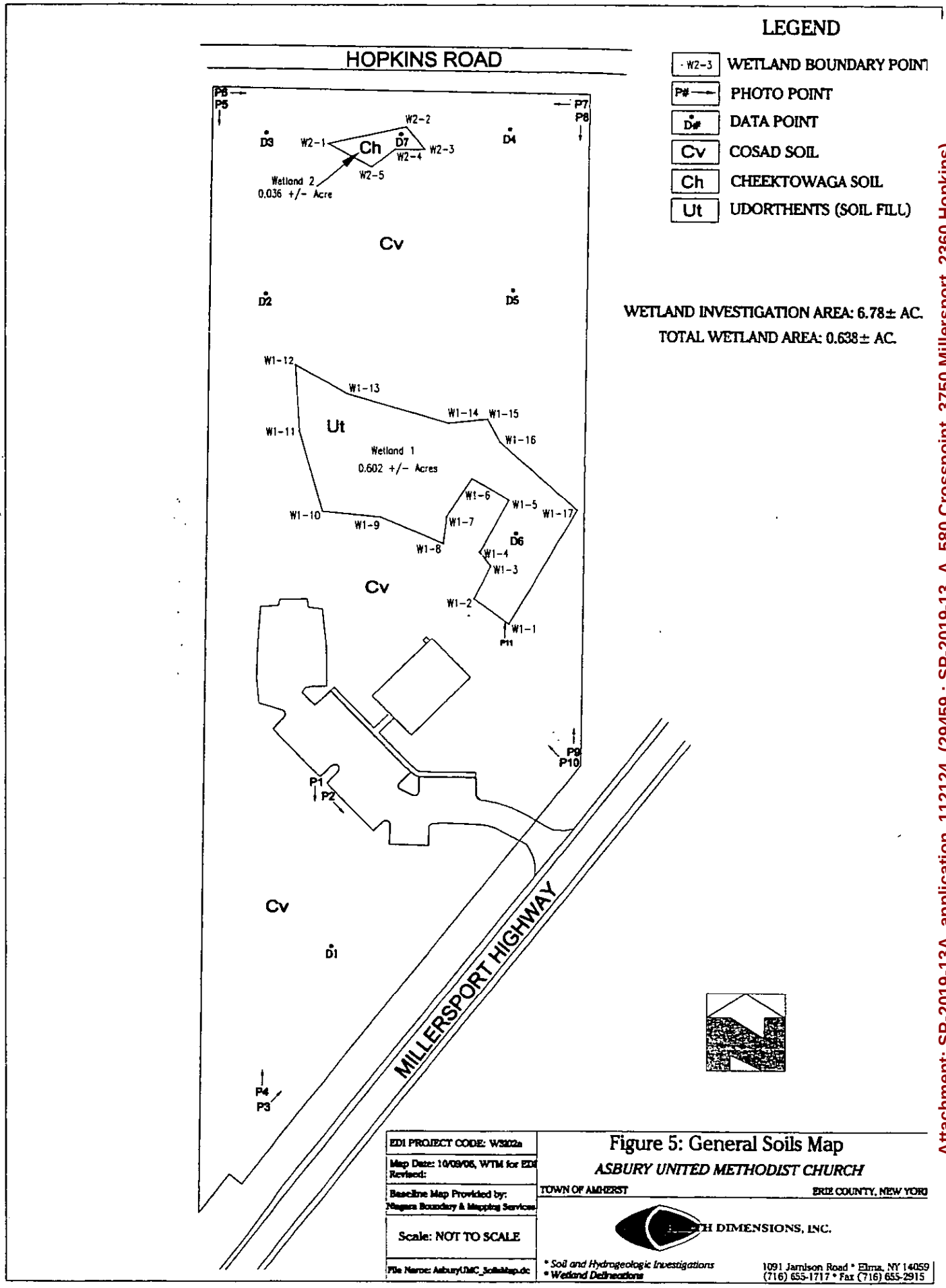
Figure 4: NYSDEC Freshwater Wetlands Map
Clarence Center Quadrangle, 1986

Asbury United Methodist Church
Town of Amherst, Erie County, New York

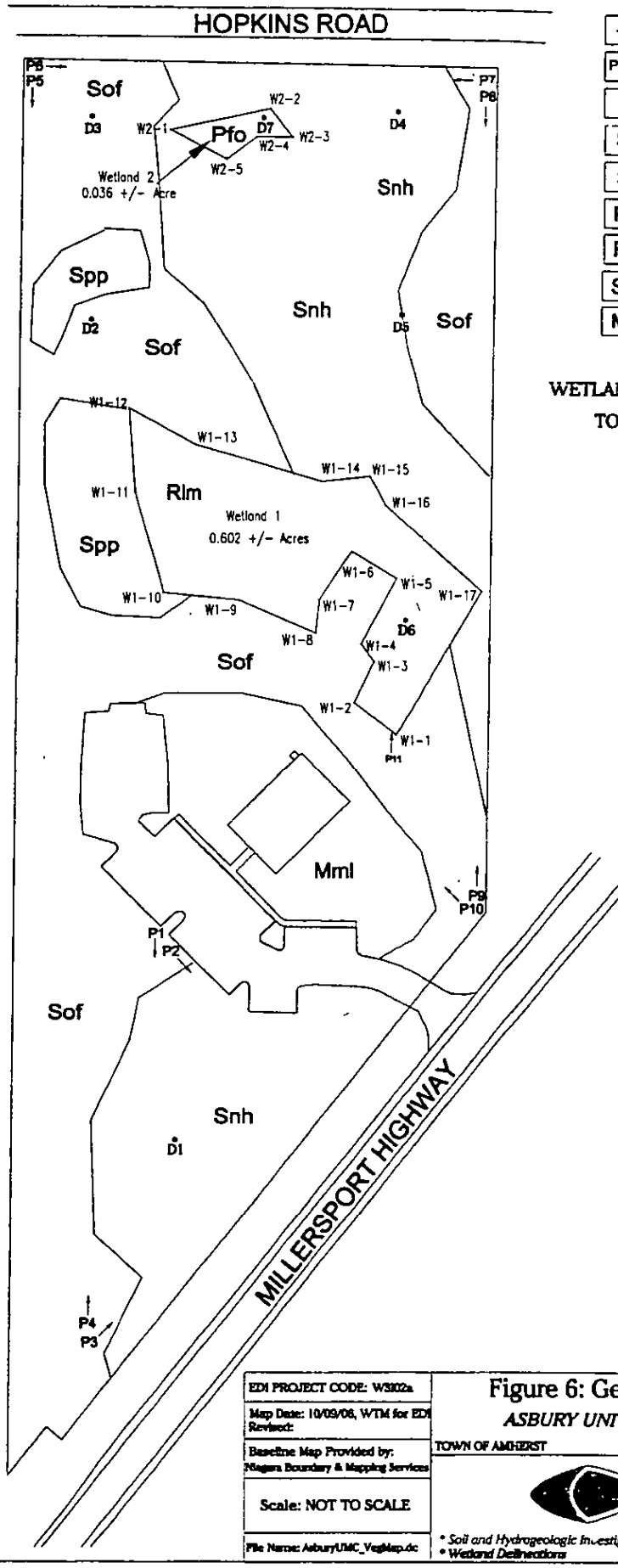
Scale: 1" = 2000'

EARTH DIMENSIONS, INC.

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)



Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)



LEGEND

W2-3	WETLAND BOUNDARY POINT
P#	PHOTO POINT
D#	DATA POINT
Snh	SUCCESSIONAL NORTHERN HARDWOOD FOREST
Sof	SUCCESSIONAL OLD FIELD
Pfo	PALUSTRINE FORESTED WETLAND
Rlm	REED/LOOSESTRIFE MARSH
Spp	SUCCESSIONAL SPOIL PILE
Mml	MOWN MAINTAINED LAWN

WETLAND INVESTIGATION AREA: 6.78± AC.

TOTAL WETLAND AREA: 0.638± AC.

EDI PROJECT CODE: W3K02a

Map Date: 10/09/08, WTM for EDI Revised:

Baseline Map Provided by: Niagara Boundary & Mapping Services

Scale: NOT TO SCALE

File Name: AsburyUMC_VegMap.dc

Figure 6: General Vegetation Map

ASBURY UNITED METHODIST CHURCH

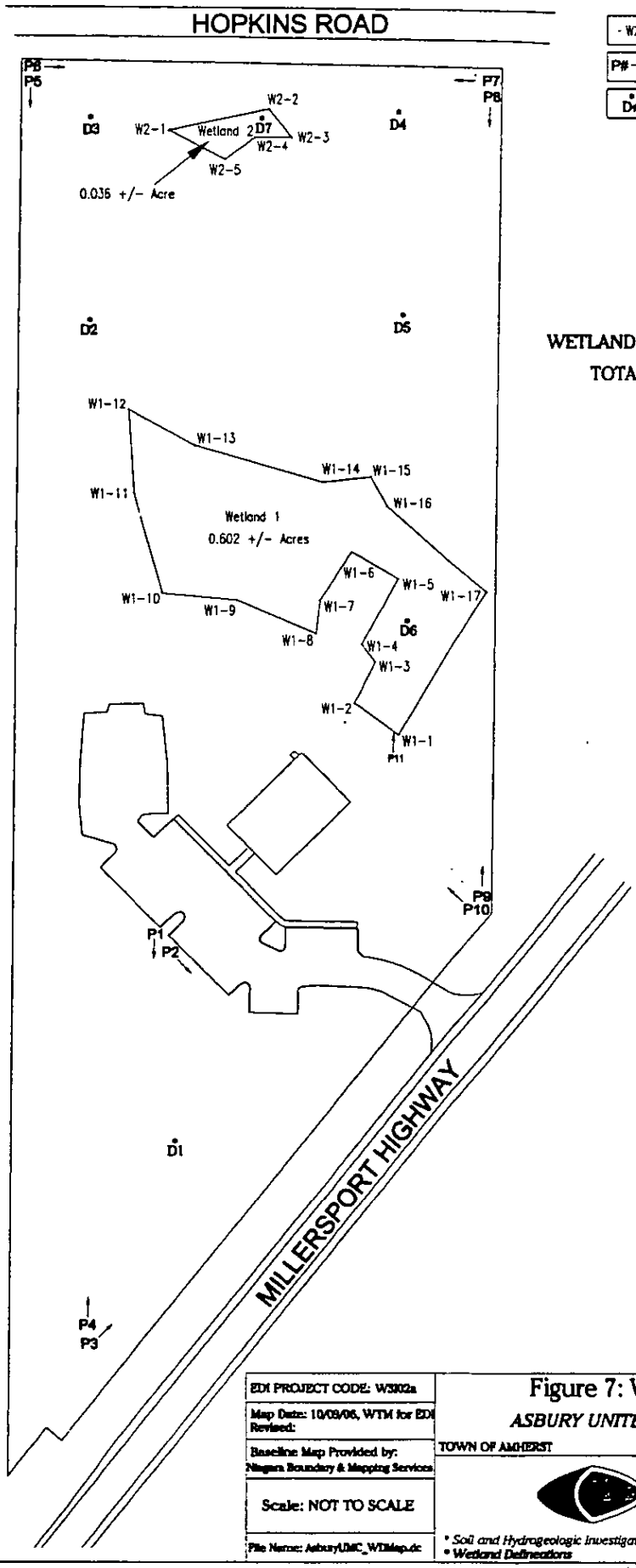
TOWN OF AMHERST — ERIE COUNTY, NEW YORK

ECH DIMENSIONS, INC.

* Soil and Hydrogeologic Investigations
* Wetland Delineations

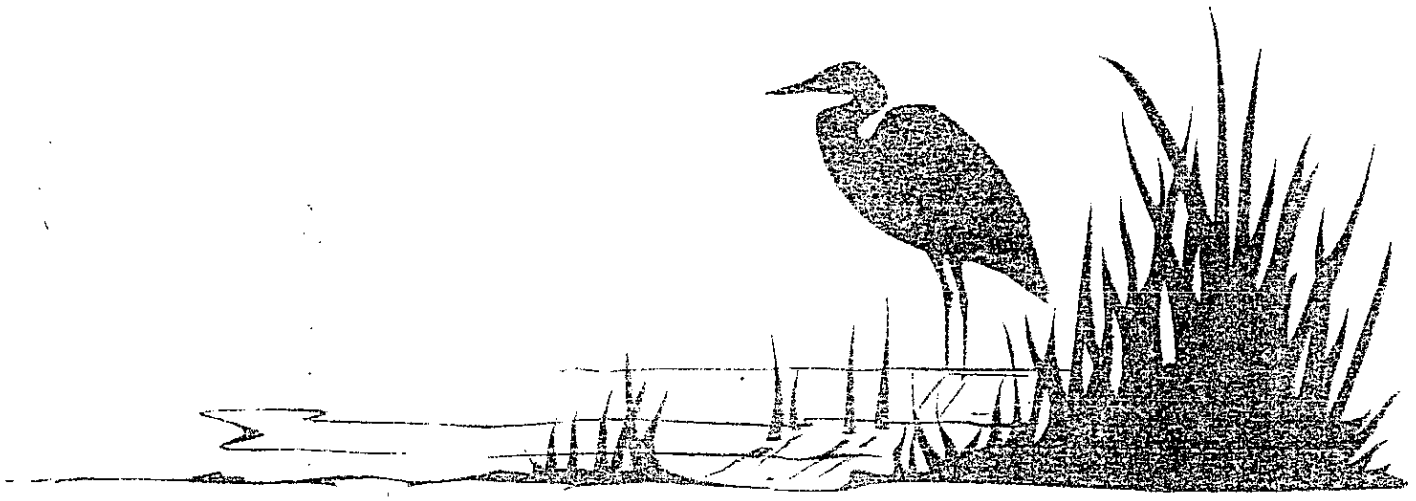
1091 Jamison Road * Elma, NY 14059
(716) 655-1717 * Fax (716) 655-2915

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)



Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

Asbury United Methodist Church



ATTACHMENT B

Data Forms

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

W3I02a

DATA FORM
ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Delineation Manual)

Project/Site: Asbury United Methodist Church	Date: September 15, 2006
Applicant/Owner: Asbury United Methodist Church	Town: Amherst
Investigators: Don Owens & Jody Celeste	County: Erie State: New York
Do Normal Circumstances Exist on the site? (Yes) No	Community ID:
Is the site significantly disturbed (Atypical Situation)? Yes (No)	SUC. N-S HARDWOODS
Is the area a potential Problem Area? Yes (No)	Transect ID: D
(If needed, explain on reverse)	Plot ID: 1

VEGETATION

H= Herbaceous Tr= Tree
Sh= Shrub L= Lianna/ Vine
Sa= Sapling

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. TOXICODENDRON RADICANS	H/Li	FAC	10. VITIS AMERICANA	Tr	FACW
2. ASTER VIMINEUS	H	FAC	11.		
3. SOLIDAGO RUGOSA	H	FAC	12.		
4. TOVARA VIRGINIANA	H	FAC	13.		
5. LYSIMACHIA NUMMULARIA	H	OBL	14.		
6. CORNUS FOEMINE SSP. RACEMOSA	Sh	FAC	15.		
7. RHAMNUS CATHARTICA	Sh	FAC	16.		
8. ACER RUBRUM	Tr	FAC	17.		
9. FRAXINUS PENNSYLVANICA	Tr/SA	FACW	18.		
Percent of Dominant Species that are OBL, FACW or FAC (excluding FAC-)			10/10 (7 FAC SPECIES)		
Remarks:					

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

Transect ID: D	Plot ID: D-1

HYDROLOGY

___ Recorded Data (Describe in Remarks) ___ Stream, Lake or Tide Gauge ___ Aerial Photographs ___ Other __√ No Recorded Data Available	Wetland hydrology Indicators: Primary Indicators: ___ Inundated ___ Saturated in Upper 12 Inches ___ Water Marks ___ Drift Lines ___ Sediment Deposits ___ Drainage Patterns in Wetlands Secondary Indicators: ___ Oxidized Root Channels in Upper 12" ___ Water-stained Leaves ___ Local Soil Survey Data ___ FAC-Neutral Test ___ Other (Explain in Remarks)
Field Observations: Depth of Surface Water: [illegible] (in.) Depth to Free Water in Pit: [illegible] (in.) Depth to Saturated Soil: [illegible] (in.)	
Remarks:	

SOILS

Map Unit Name (Series and Phase): Checkhowagan

Drainage Class: Poorly

Field Observations Confirm Mapped Type? Yes (No)

Taxonomy (Subgroup): Typic Haplaquoll

Profile Description:

Depth (inches)	Horizon	Matrix Color (Muncell Moist)	Mottle Colors (Muncell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
0-8	A	10YR 3/2	None	—	vfsl 2mgr
8-18	Bw	10YR 5/3	10YR 6/3	20% distinct	vfsl cl [illegible]
			10YR 5/3	20% distinct	

Hydric Soil Indicators:

___ Histosol	___ Concretions
___ Histic Epipedon	___ High Organic Content in Surface Layer Sandy Soils
___ Sulfidic Odor	___ Organic Streaking in Sandy Soils
___ Aquic Moisture Regime	___ Listed on Local Hydric Soils List
___ Reducing Conditions	___ Listed on National Hydric Soils List
___ Gleyed or Low-Chroma Colors	___ Other (Explain in Remarks)

Remarks: SWP Cosad

WETLAND DETERMINATION

Hydrophytic Vegetation Present? Yes No (circle) Wetland Hydrology Present? Yes (No) Hydric Soils Present? Yes (No)	Is this Sampling Point Within a Wetland? Yes (No)
Remarks:	

W3I02a

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

W3I02a

DATA FORM
ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Delineation Manual)

Project/Site: Asbury United Methodist Church	Date: September 15, 2006
Applicant/Owner: Asbury United Methodist Church	Town: Amherst
Investigators: Don Owens & Jody Celeste	County: Erie State: New York
Do Normal Circumstances Exist on the site? (Yes) No	Community ID:
Is the site significantly disturbed (Atypical Situation)? Yes (No)	SUC . UPLAND
Is the area a potential Problem Area? Yes (No)	Transect ID: D
(If needed, explain on reverse)	Plot ID: 2

VEGETATION

H= Herbaceous Tr= Tree
Sh= Shrub L= Lianna/ Vine
Sa= Sapling

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Poa pratensis	H	FACU	10.		
2. Daucus carota	H	FACU	11.		
3. Solidago canadensis	H	FACU	12.		
4. Dactylis glomerata	H	FACU	13.		
5. Aster spp.	H	*	14.		
6. Populus deltoides	SA	FAC	15.		
7.			16.		
8.			17.		
9.			18.		

Percent of Dominant Species that are OBL, FACW or FAC (excluding FAC-) 1/6

Remarks: ADJACENT TO MAINTAINED DITCH + SPOIL PILE

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

Transect ID: D	Plot ID: D-2

HYDROLOGY

___ Recorded Data (Describe in Remarks)
___ Stream, Lake or Tide Gauge
___ Aerial Photographs
___ Other
__✓__ No Recorded Data Available

Field Observations:
Depth of Surface Water: None (in.)
Depth to Free Water in Pit: >18 (in.)
Depth to Saturated Soil: >18 (in.)

Wetland hydrology Indicators:
Primary Indicators:
___ Inundated
___ Saturated in Upper 12 Inches
___ Water Marks
___ Drift Lines
___ Sediment Deposits
___ Drainage Patterns in Wetlands
Secondary Indicators:
___ Oxidized Root Channels in Upper 12"
___ Water-stained Leaves
___ Local Soil Survey Data
___ FAC-Neutral Test
___ Other (Explain in Remarks)

Remarks:

SOILS

Map Unit Name (Series and Phase): Cheekhumaa
Taxonomy (Subgroup): Hydric Hapludult
Drainage Class: Poorly
Field Observations
Confirm Mapped Type? Yes (No)

Profile Description:

Depth (inches)	Horizon	Matrix Color (Muncell Moist)	Mottle Colors (Muncell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
0-5	A	10YR2/1	None	—	Vfsl Imgr
5-18	Bw	10YR6/3	10YR6/6	20% distinct	Vfsl Lcsbk
			10YR5/2	15% distinct	

Hydric Soil Indicators:

___ Histosol
___ Histic Epipedon
___ Sulfidic Odor
___ Aquic Moisture Regime
___ Reducing Conditions
___ Gleyed or Low-Chroma Colors
___ Concretions
___ High Organic Content in Surface Layer Sandy Soils
___ Organic Streaking in Sandy Soils
___ Listed on Local Hydric Soils List
___ Listed on National Hydric Soils List
___ Other (Explain in Remarks)

Remarks: Silt Cosoil

WETLAND DETERMINATION

Hydrophytic Vegetation Present? Yes (No) (circle)
Wetland Hydrology Present? Yes (No)
Hydric Soils Present? Yes (No)

Is this Sampling Point Within a Wetland? Yes (No)

Remarks:

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

W3I02a

DATA FORM
ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Delineation Manual)

Project/Site: Asbury United Methodist Church	Date: September 15, 2006
Applicant/Owner: Asbury United Methodist Church	Town: Amherst
Investigators: Don Owens & Jody Celeste	County: Erie State: New York
Do Normal Circumstances Exist on the site? (Yes) No	Community ID:
Is the site significantly disturbed (Atypical Situation)? Yes (No)	SOL. UPL. FIELD
Is the area a potential Problem Area? Yes (No)	Transect ID: D
(If needed, explain on reverse)	Plot ID: 3

VEGETATION

H= Herbaceous Tr= Tree
Sh= Shrub L= Lianna/ Vine
Sa= Sapling

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Solidago canadensis	H	FACU	10.		
2. Centaurea maculosa	H	FACU	11.		
3. Toxicodendron radicans	H	FAC	12.		
4. Fraxinus pennsylvanica	SA/Tr	FACW	13.		
5. Juglans nigra	SA	FACU	14.		
6. Vitis americana	Tr	FACW	15.		
7. Phragmites australis	H	FACW	16.		
8.			17.		
9.			18.		

Percent of Dominant Species that are OBL, FACW or FAC (excluding FAC-) 4/7

Remarks: mostly Goldenrod

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

Transect ID: D	Plot ID: P-2

HYDROLOGY

___ Recorded Data (Describe in Remarks) ___ Stream, Lake or Tide Gauge ___ Aerial Photographs ___ Other ✓ No Recorded Data Available	Wetland hydrology Indicators: Primary Indicators: ___ Inundated ___ Saturated in Upper 12 Inches ___ Water Marks ___ Drift Lines ___ Sediment Deposits ___ Drainage Patterns in Wetlands Secondary Indicators: ___ Oxidized Root Channels in Upper 12" ___ Water-stained Leaves ___ Local Soil Survey Data ___ FAC-Neutral Test ___ Other (Explain in Remarks)
Field Observations: Depth of Surface Water: None (in.) Depth to Free Water in Pit: >20 (in.) Depth to Saturated Soil: >20 (in.)	
Remarks:	

SOILS

Map Unit Name (Series and Phase): Cheektowaga

Drainage Class: Poorly

Field Observations Confirm Mapped Type? Yes (No)

Taxonomy (Subgroup): Typic Hapl aquoll

Profile Description:

Depth (inches)	Horizon	Matrix Color (Muncell Moist)	Mottle Colors (Muncell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
0-12	Full	10YR 3/2	None	–	gr vfsl massive
12-18	A	10YR 2/1	None	–	vfsl 1mgr
18-20	BW	10YR 5/3	10YR 6/6 10YR 5/3	20% distinct 15% distinct	vfsl 1c SI

Hydric Soil Indicators:

___ Histosol	___ Concretions
___ Histic Epipedon	___ High Organic Content in Surface Layer Sandy Soils
___ Sulfidic Odor	___ Organic Streaking in Sandy Soils
___ Aquic Moisture Regime	___ Listed on Local Hydric Soils List
___ Reducing Conditions	___ Listed on National Hydric Soils List
___ Gleyed or Low-Chroma Colors	___ Other (Explain in Remarks)

Remarks: Cosad

WETLAND DETERMINATION

Hydrophytic Vegetation Present?	Yes	No (circle)
Wetland Hydrology Present?	Yes	No
Hydric Soils Present?	Yes	No

Is this Sampling Point Within a Wetland? Yes No

Remarks:

W3I02a

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

W3I02a

DATA FORM
ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Delineation Manual)

Project/Site: Asbury United Methodist Church	Date: September 15, 2006
Applicant/Owner: Asbury United Methodist Church	Town: Amherst
Investigators: Don Owens & Jody Celeste	County: Erie State: New York
Do Normal Circumstances Exist on the site? Yes No	Community ID:
Is the site significantly disturbed (Atypical Situation)? Yes No	Succ. Hardwood
Is the area a potential Problem Area? Yes No	Transect ID: D
(If needed, explain on reverse)	Plot ID: 4

H= Herbaceous Tr= Tree
Sh= Shrub L= Lianna/ Vine
Sa= Sapling

VEGETATION

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Toxicodendron radicans	Li/H	FAC	10.		
2. Ulmus americana	Tr	FACW	11.		
3. Solidago canadensis	H	FACW	12.		
4. Lonicera tatarica	Sh	FACW+	13.		
5. Aster spp.	H	*	14.		
6. Rhamnus cathartica	Sh	FAC	15.		
7. Tovara virginiana	H	FAC	16.		
8. Fraxinus pennsylvanica	Tr	FACW	17.		
9. Vitis aestivalis	Li	FACW	18.		

Percent of Dominant Species that are OBL, FACW or FAC (excluding FAC-)

Remarks:

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

Transect ID: D	Plot ID: [illegible]

HYDROLOGY

___ Recorded Data (Describe in Remarks) ___ Stream, Lake or Tide Gauge ___ Aerial Photographs ___ Other ✓ No Recorded Data Available	Wetland hydrology Indicators: Primary Indicators: ___ Inundated ___ Saturated in Upper 12 Inches ___ Water Marks ___ Drift Lines ___ Sediment Deposits ___ Drainage Patterns in Wetlands Secondary Indicators: ___ Oxidized Root Channels in Upper 12" ___ Water-stained Leaves ___ Local Soil Survey Data ___ FAC-Neutral Test ___ Other (Explain in Remarks)
Field Observations: Depth of Surface Water: None (in.) Depth to Free Water in Pit: >18 (in.) Depth to Saturated Soil: [illegible] (in.)	
Remarks:	

SOILS

Map Unit Name (Series and Phase): Cusad

Drainage Class: Swp

Field Observations Confirm Mapped Type? Yes No

Taxonomy (Subgroup): Aquic Udorthent

Profile Description:

Depth (inches)	Horizon	Matrix Color (Muncell Moist)	Mottle Colors (Muncell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
0-7	A	10YR3/2	None	—	vfsl [illegible]
7-13	Bw	10YR3/3	10YR5/6	10% distinct	vfsl [illegible]
			10YR5/2	5% faint	

Hydric Soil Indicators:

___ Histosol	___ Concretions
___ Histic Epipedon	___ High Organic Content in Surface Layer Sandy Soils
___ Sulfidic Odor	___ Organic Streaking in Sandy Soils
___ Aquic Moisture Regime	___ Listed on Local Hydric Soils List
___ Reducing Conditions	___ Listed on National Hydric Soils List
___ Gleyed or Low-Chroma Colors	___ Other (Explain in Remarks)

Remarks: Cusad

WETLAND DETERMINATION

Hydrophytic Vegetation Present?	Yes	No	(circle)
Wetland Hydrology Present?	Yes	No	
Hydric Soils Present?	Yes	No	

Is this Sampling Point Within a Wetland? Yes No

Remarks:

W3I02a

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

W3I02a

DATA FORM
ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Delineation Manual)

Project/Site: Asbury United Methodist Church	Date: September 15, 2006
Applicant/Owner: Asbury United Methodist Church	Town: Amherst
Investigators: Don Owens & Jody Celeste	County: Erie State: New York
Do Normal Circumstances Exist on the site? (Yes) No	Community ID:
Is the site significantly disturbed (Atypical Situation)? Yes (No)	SVC. N-S. Hardwood
Is the area a potential Problem Area? Yes (No)	Transect ID: D
(If needed, explain on reverse)	Plot ID: S

VEGETATION

H= Herbaceous Tr= Tree
Sh= Shrub L= Lianna/ Vine
Sa= Sapling

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Toxicodendron virginiana	H	FAC	10.		
2. Solidago canadensis	H	FACU	11.		
3. Solidago rugosa	H	FAC	12.		
4. Aster spp	H	*	13.		
5. Toxicodendron radicans	H/L	FAC	14.		
6. Acer rubrum	Tr	FAC	15.		
7. Ulmus americana	Tr	FACW-	16.		
8. Cornus foemina ssp. racemosa	Sh	FAC	17.		
9.			18.		

Percent of Dominant Species that are OBL, FACW or FAC (excluding FAC-): 6/8 75% (5 FAC species)

Remarks:

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

Transect ID: D	Plot ID: D-4

HYDROLOGY

___ Recorded Data (Describe in Remarks)
- ___ Stream, Lake or Tide Gauge
- ___ Aerial Photographs
- ___ Other

___ No Recorded Data Available

Field Observations:
- Depth of Surface Water: None (in.)
- Depth to Free Water in Pit: >15 (in.)
- Depth to Saturated Soil: >15 (in.)

Wetland hydrology Indicators:

Primary Indicators:
- ___ Inundated
- ___ Saturated in Upper 12 Inches
- ___ Water Marks
- ___ Drift Lines
- ___ Sediment Deposits
- ___ Drainage Patterns in Wetlands

Secondary Indicators:
- ___ Oxidized Root Channels in Upper 12"
- ___ Water-stained Leaves
- ___ Local Soil Survey Data
- ___ FAC-Neutral Test
- ___ Other (Explain in Remarks)

Remarks:

SOILS

Map Unit Name (Series and Phase): Coastal

Taxonomy (Subgroup): Aeric Udorthent

Drainage Class: SWP

Field Observations
Confirm Mapped Type? Yes No

Profile Description:

Depth (inches)	Horizon	Matrix Color (Muncell Moist)	Mottle Colors (Muncell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
0-8	A	10YR 3/2	None	—	vfsl 2mgr
8-18	Bw	10YR 5/3	10YR 5/6	10% distinct	vfsl 1csbk
				20% Faint	

Hydric Soil Indicators:
- ___ Histosol
- ___ Histic Epipedon
- ___ Sulfidic Odor
- ___ Aquic Moisture Regime
- ___ Reducing Conditions
- ___ Gleyed or Low-Chroma Colors
- ___ Concretions
- ___ High Organic Content in Surface Layer Sandy Soils
- ___ Organic Streaking in Sandy Soils
- ___ Listed on Local Hydric Soils List
- ___ Listed on National Hydric Soils List
- ___ Other (Explain in Remarks)

Remarks: Coastal

WETLAND DETERMINATION

Hydrophytic Vegetation Present?	Yes	No (circle)	
Wetland Hydrology Present?	Yes	No	
Hydric Soils Present?	Yes	No	Is this Sampling Point Within a Wetland? Yes No

Remarks:

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

W3I02a

DATA FORM
ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Delineation Manual)

Project/Site: Asbury United Methodist Church			Date: September 15, 2006
Applicant/Owner: Asbury United Methodist Church			Town: Amherst
Investigators: Don Owens & Jody Celeste			County: Erie State: New York
Do Normal Circumstances Exist on the site?	Yes	No	Community ID:
Is the site significantly disturbed (Atypical Situation)?	Yes	No	Lakeshore Plain
Is the area a potential Problem Area?	Yes	No	Transect ID: D
(If needed, explain on reverse)			Plot ID: 6

VEGETATION

H= Herbaceous Tr= Tree
Sh= Shrub L= Lianna/ Vine
Sa= Sapling

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Juncus effusus	H	FACW+	10.		
2. Lythrum salicaria	H	FACW	11.		
3. Phragmites australis	H	FACW	12.		
4. Aster spp.	H	*	13.		
5. Carex spp	H	*	14.		
6. Populus deltoides	SA	FAC	15.		
7.			16.		
8.			17.		
9.			18.		
Percent of Dominant Species that are OBL, FACW or FAC (excluding FAC-)			4/6		

Remarks: ~L. salicaria ~50%

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

Transect ID: D	Plot ID: D - 6

HYDROLOGY

___ Recorded Data (Describe in Remarks) ___ Stream, Lake or Tide Gauge ___ Aerial Photographs ___ Other _V_ No Recorded Data Available	Wetland hydrology Indicators: Primary Indicators: ___ Inundated ___ Saturated in Upper 12 Inches ___ Water Marks ___ Drift Lines ___ Sediment Deposits ___ Drainage Patterns in Wetlands Secondary Indicators: ___ Oxidized Root Channels in Upper 12" ___ Water-stained Leaves ___ Local Soil Survey Data ___ FAC-Neutral Test ___ Other (Explain in Remarks)
Field Observations: Depth of Surface Water: 2 (in.) Depth to Free Water in Pit: [illegible] (in.) Depth to Saturated Soil: 3 (in.)	
Remarks:	

SOILS

Map Unit Name (Series and Phase): Cosad

Drainage Class: SWP

Taxonomy (Subgroup): Aeric Udorthent

Field Observations Confirm Mapped Type? Yes (No)

Profile Description:

Depth (inches)	Horizon	Matrix Color (Muncell Moist)	Mottle Colors (Muncell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
0-4	Soil fill		10YR 2	None	ard massive
4-15	Disturbed soil		7.5YR 5/2 5/3	None	sic massive

Hydric Soil Indicators:

___ Histosol	___ Concretions
___ Histic Epipedon	___ High Organic Content in Surface Layer Sandy Soils
___ Sulfidic Odor	___ Organic Streaking in Sandy Soils
___ Aquic Moisture Regime	___ Listed on Local Hydric Soils List
___ Reducing Conditions	___ Listed on National Hydric Soils List
___ Gleyed or Low-Chroma Colors	___ Other (Explain in Remarks)

Remarks: Udorthent within retention basin

WETLAND DETERMINATION

Hydrophytic Vegetation Present? (Yes) No (circle) Wetland Hydrology Present? (Yes) No Hydric Soils Present? Yes (No)	Is this Sampling Point Within a Wetland? (Yes) No
Remarks:	

W3I02a

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

W3I02a

DATA FORM
ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Delineation Manual)

Project/Site: Asbury United Methodist Church	Date: September 15, 2006
Applicant/Owner: Asbury United Methodist Church	Town: Amherst
Investigators: Don Owens & Jody Celeste	County: Erie State: New York
Do Normal Circumstances Exist on the site? (Yes) No	Community ID:
Is the site significantly disturbed (Atypical Situation)? Yes (No)	PFO
Is the area a potential Problem Area? Yes (No)	Transect ID: D
(If needed, explain on reverse)	Plot ID: 7

VEGETATION

H= Herbaceous Tr= Tree
Sh= Shrub L= Lianna/ Vine
Sa= Sapling

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Onoclea sensibilis	H	FACW	10.		
2. Glyceria striata	H	OBL	11.		
3. Toxicodendron radicans	Li/H	FAC	12.		
4. Ulmus americana	Tr	FACW	13.		
5. Fraxinus pennsylvanica	Tr/Sa	FACW	14.		
6. Lysimachia nummularia	H	OBL	15.		
7. Parthenocissus virginiana	H	FAC	16.		
8. Acer rubrum	Tr	FAC	17.		
9. Cornus amomum	Sh	FACW	18.		
Percent of Dominant Species that are OBL, FACW or FAC (excluding FAC-)			9/9 3 FAC		

Remarks:

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

Transect ID: D	Plot ID: D-7

HYDROLOGY

___ Recorded Data (Describe in Remarks)
- ___ Stream, Lake or Tide Gauge
- ___ Aerial Photographs
- ___ Other

V No Recorded Data Available

Field Observations:
- Depth of Surface Water: N/A (in.)
- Depth to Free Water in Pit: 15+ (in.)
- Depth to Saturated Soil: 15+ (in.)

Wetland hydrology Indicators:

Primary Indicators:
- ___ Inundated
- ___ Saturated in Upper 12 Inches
- ___ Water Marks
- ___ Drift Lines
- ___ Sediment Deposits
- ___ Drainage Patterns in Wetlands

Secondary Indicators:
- ✓ Oxidized Root Channels in Upper 12"
- ___ Water-stained Leaves
- ✓ Local Soil Survey Data
- ___ FAC-Neutral Test
- ___ Other (Explain in Remarks)

Remarks:

SOILS

Map Unit Name (Series and Phase): Cheektowaga

Drainage Class: Poor

Taxonomy (Subgroup): Typic Endoaquolls

Field Observations
Confirm Mapped Type? Yes No

Profile Description:

Depth (inches)	Horizon	Matrix Color (Muncell Moist)	Mottle Colors (Muncell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
0-8	A	10YR 2/1	10YR 5/3	5% distinct	vfsl 2mm gr
8-19	Bw	10YR 5/2 - 5/3	10YR 5/6	30% distinct	vfsl 1c 5BK

Hydric Soil Indicators:
- ___ Histosol
- ___ Histic Epipedon
- ___ Sulfidic Odor
- ___ Aquic Moisture Regime
- ___ Reducing Conditions
- ___ Gleyed or Low-Chroma Colors
- ___ Concretions
- ___ High Organic Content in Surface Layer Sandy Soils
- ___ Organic Streaking in Sandy Soils
- V Listed on Local Hydric Soils List
- ✓ Listed on National Hydric Soils List
- ___ Other (Explain in Remarks)

Remarks: Cheektowaga

WETLAND DETERMINATION

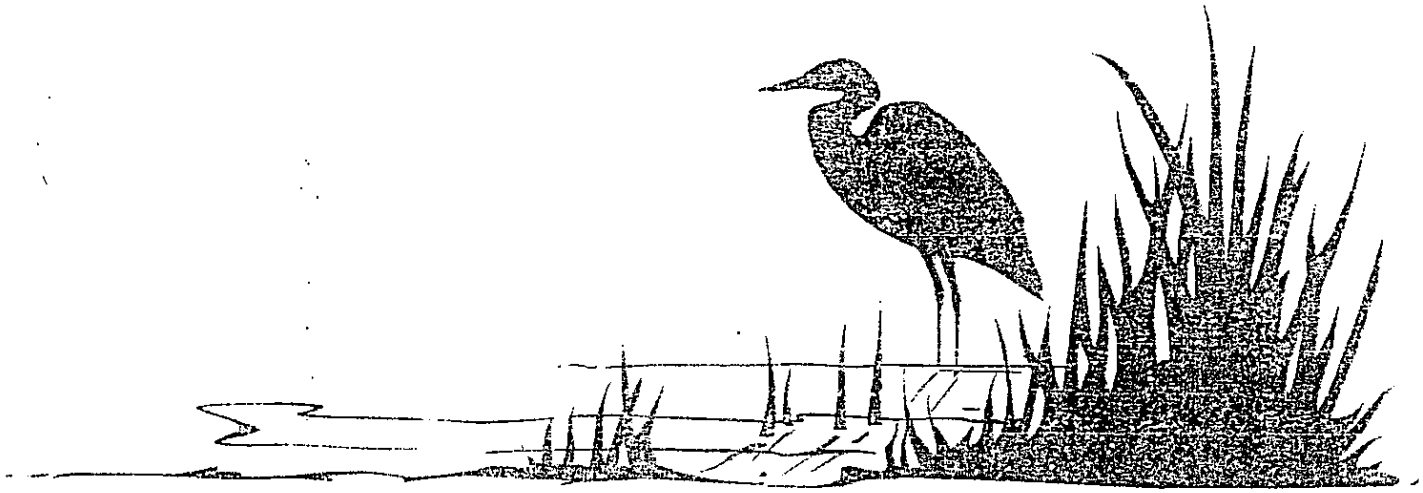
Hydrophytic Vegetation Present?	Yes	No	(circle)
Wetland Hydrology Present?	Yes	No	
Hydric Soils Present?	Yes	No	

Is this Sampling Point Within a Wetland? Yes No

Remarks:

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

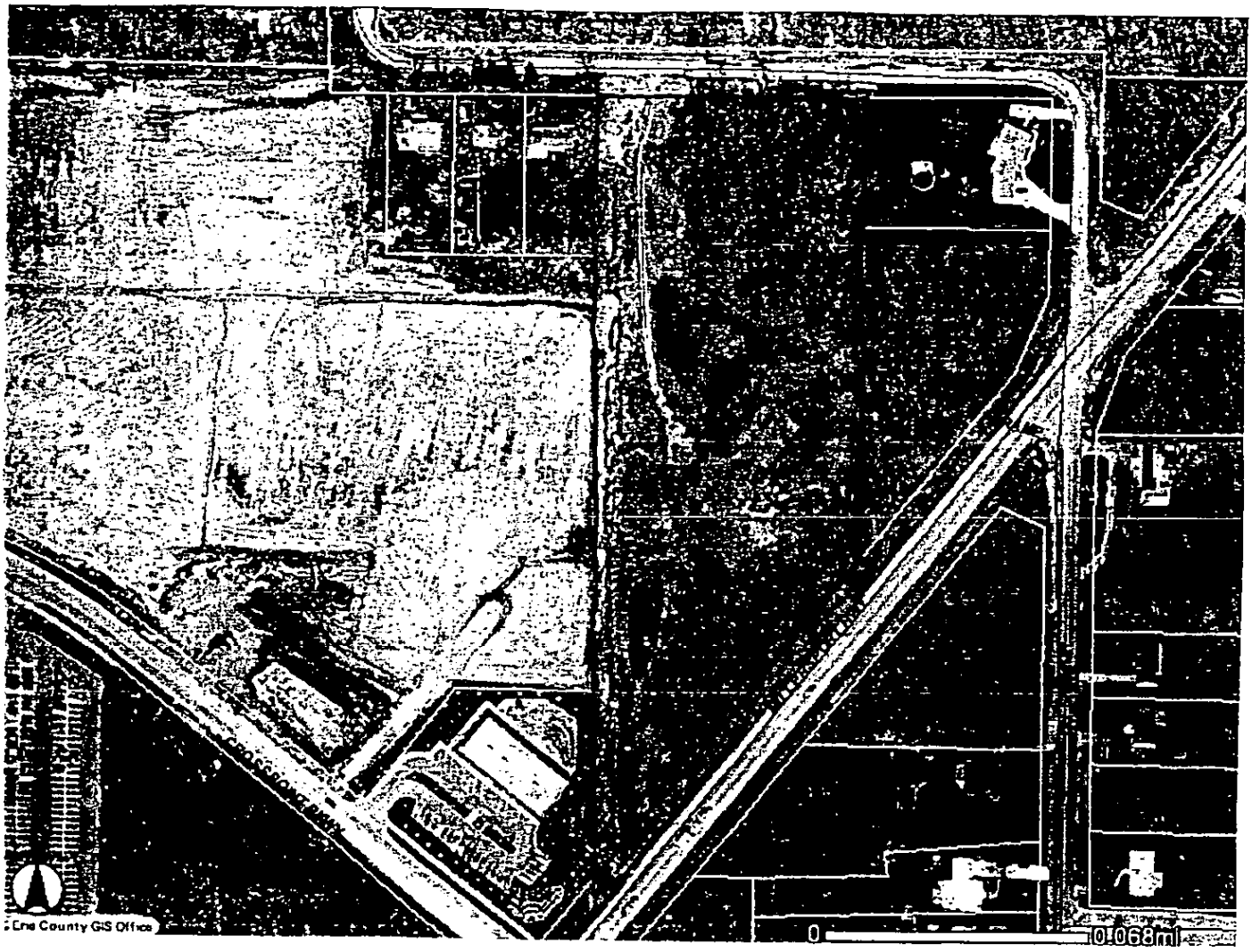
Asbury United Methodist Church



ATTACHMENT C

Aerial Photograph

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)



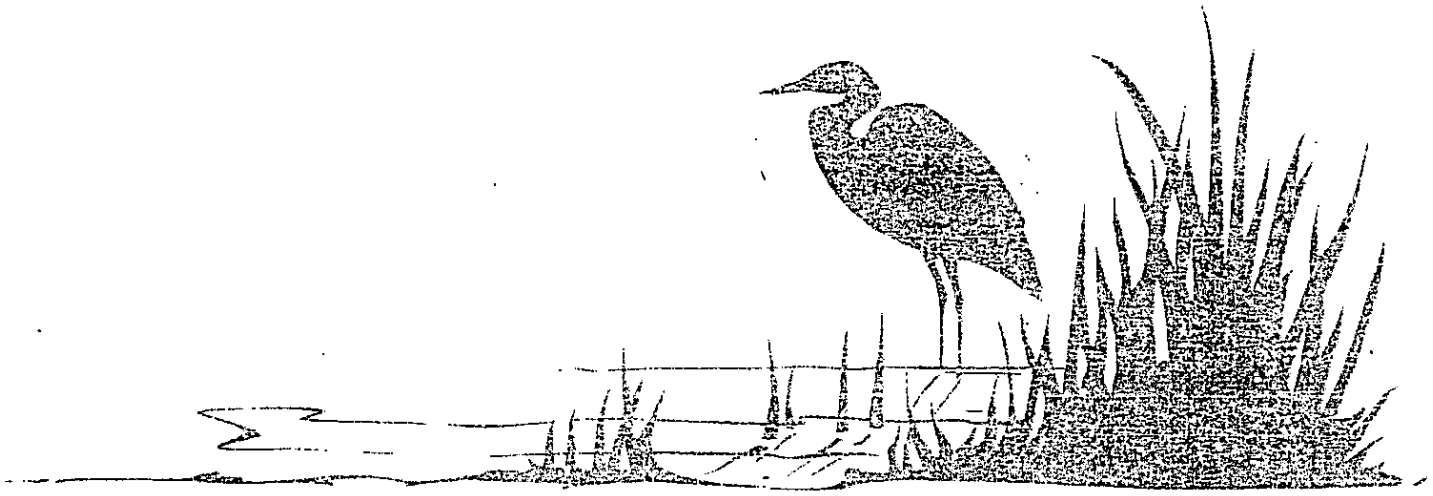
EARTH DIMENSIONS, INC.

Attachment C: Aerial Photograph, 2002 Orthophotography
http://erie-gis.co.erie.ny.us/
Site visited 09-15-2006.

Asbury United Methodist Church
Town of Amherst, Erie County, New York

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

Asbury United Methodist Church



ATTACHMENT D

Site Photographs

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

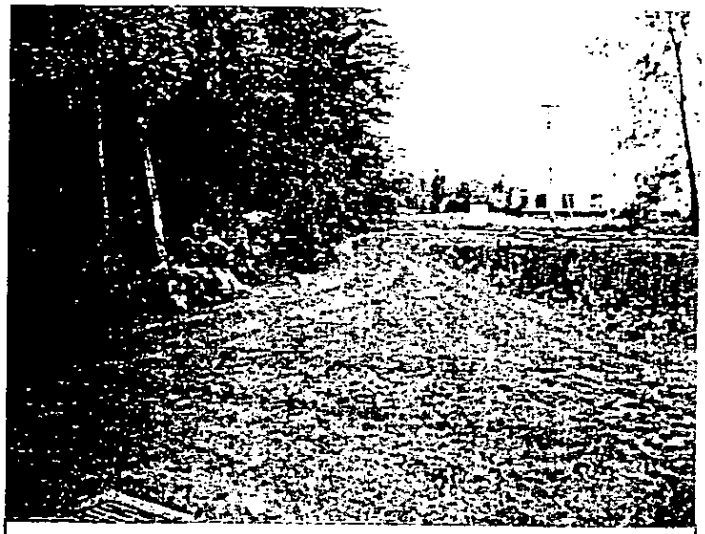


Photo 1: Facing south from the central portion of the site; depicts the southern portion of the site.



Photo 2: Facing east along the existing development; depicts the southeastern portion of the site.

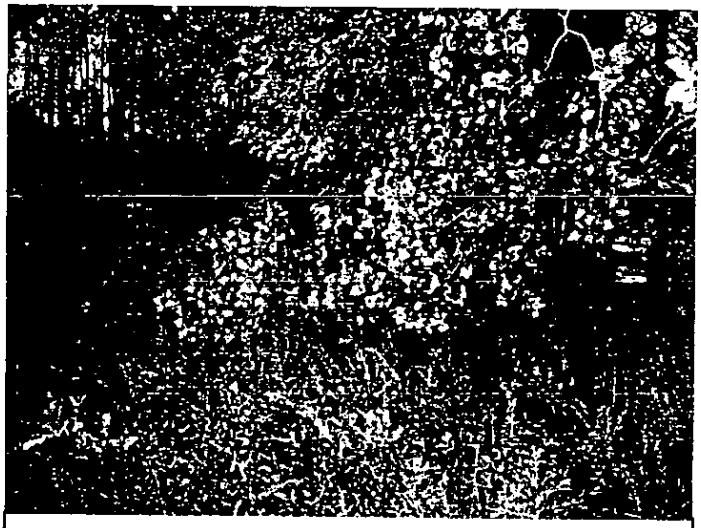


Photo 3: Facing northeast from near the southern tip of the property, depicts successional northern- southern hardwoods.

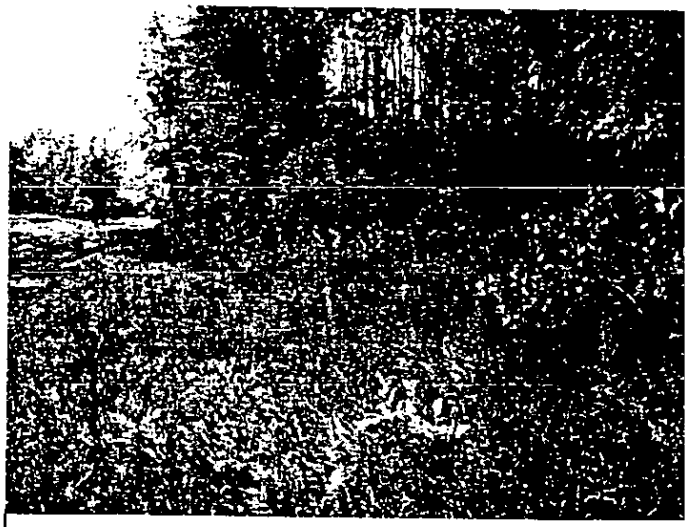


Photo 4: Facing north from near the southern tip of the property; depicts the successional upland field area and maintained ditch area.

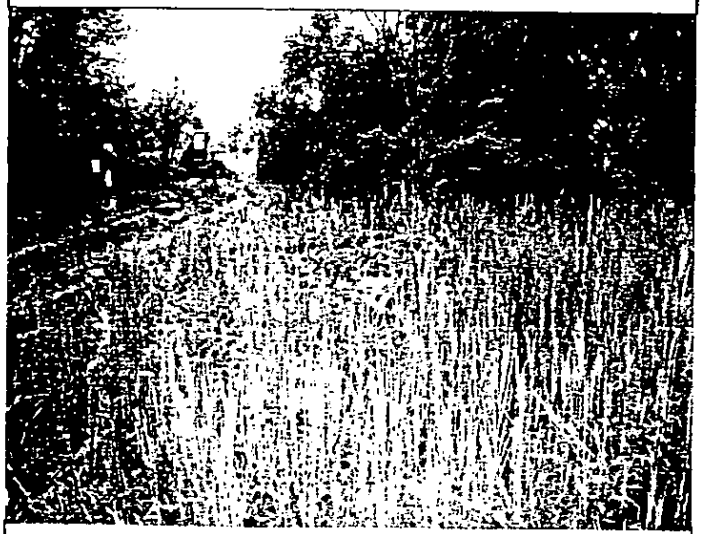


Photo 5: Facing north along spoil pile areas adjacent to the maintained ditch; depicts *Phragmites* on scraped soil area.



Photo 6: Facing east from along Hopkins Road; depicts the northern property line.

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)



Photo 7: Facing west from along Hopkins Road; depicts the northern property boundary.



Photo 8: Facing south from along Hopkins Road; depicts the eastern property boundary.



Photo 9: Facing north the property corner at Millersport Highway; depicts the eastern property boundary.



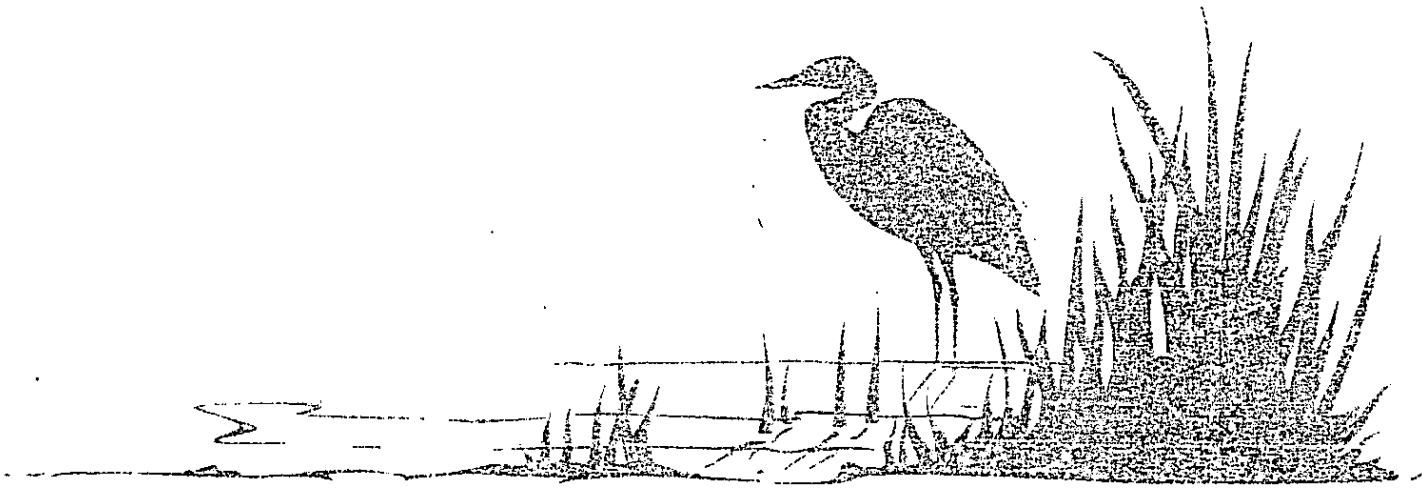
Photo 10: Facing northwest from the property corner at Millersport Highway; depicts maintained/mown lawn.



Photo 11: Facing north from near wetland flag W1-1; depicts the reed/loosestrife marsh vegetation of Wetland 1.

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

Asbury United Methodist Church



ATTACHMENT E

References

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

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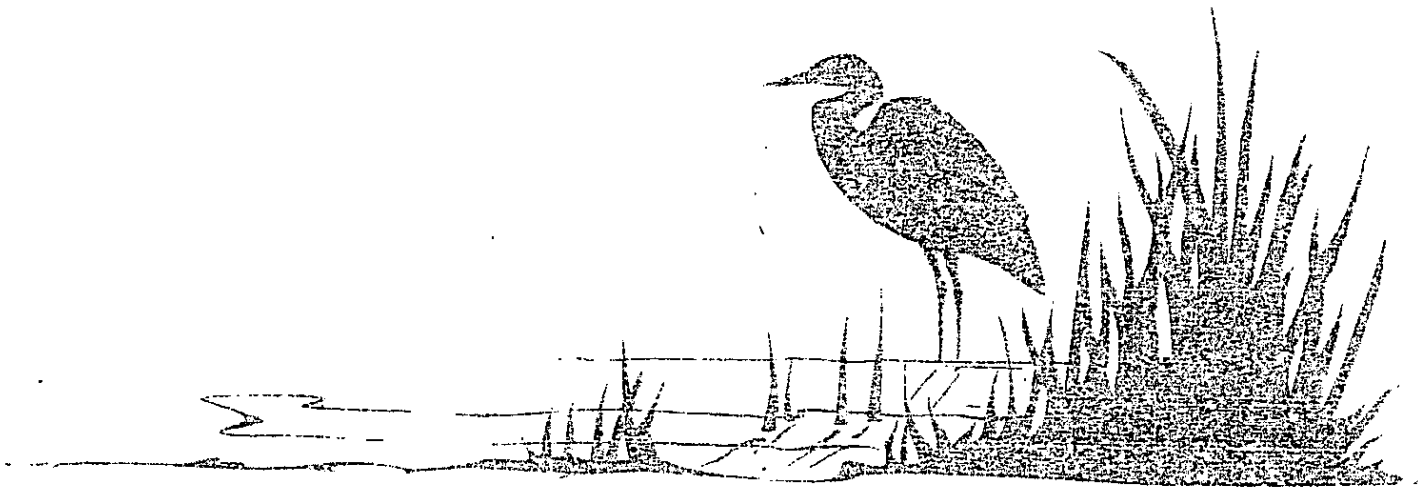
Asbury United Methodist Church



ATTACHMENT F

Wetland Investigation Personnel

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

WETLAND INVESTIGATION PERSONNEL

Soils and Hydrology Sampling
Donald W. Owens, Senior Soil Scientist
Earth Dimensions, Inc.
1091 Jamison Road
Elma, New York 14059
(716) 655-1717

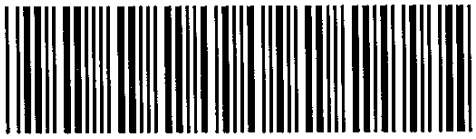
Vegetation Sampling
Jody M. Celeste, Ecologist
Earth Dimensions, Inc.
1091 Jamison Road
Elma, New York 14059
(716) 655-1717

Surveying of Site Locations
Niagara Boundary and Mapping Services
2475 Military Road
Niagara Falls, New York 14304
(716) 297-9584

Report Preparation
Jody M. Celeste, Ecologist
Travis Morse, Ecologist
Earth Dimensions, Inc.
1091 Jamison Road
Elma, New York 14059
(716) 655-1717

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

Amherst Planning & Zoning



Z-2008-09

07/2012

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

Z-9-08 2360 Hopkins Rd. # 3750 & 3800 Millersport

Attachment: SP-2019-13A_application_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

MAJOR SITE PLAN APPLICATION

CITI - CROSSPOINT PARKING EXPANSION

BLOCK:1. LOTS: 70.11 & 58.111
3750 MILLERSPORT HIGHWAY
AMHERST, NY 14068

PROJECT CONTACT LIST

OWNER/DEVELOPER
CITIGROUP TECHNOLOGY INC
TOW COURT SQUARE
LONG ISLAND CITY, NY 11101
(212) 816-2937
CONTACT: JON TAUBES

LAND USE ATTORNEY
BARCLAY DAMON, LLP
200 DELAWARE AVENUE - SUITE 1200
BUFFALO, NEW YORK 14202
(716) 858-3801
CONTACT: COREY AUERBACH, ESQ

CIVIL ENGINEER
WARE MALCOMB
45 W 21ST STREET - 6TH FLOOR
NEW YORK, NY 10010
(646) 680-7000
CONTACT: ED WILKES, PE

GEOTECHNICAL ENGINEER
WHITESTONE ASSOCIATES
116 GRUNER ROAD
BUFFALO, NEW YORK 14227
(716) 572-7924
CONTACT: CHARLES GUZZETTA, PG

TRAFFIC ENGINEER
PASSERO ASSOCIATES
242 W. MAIN STREET - SUITE 100
ROCHESTER, NEW YORK 14614
(585) 314-5078
CONTACT: AMY DRAKE, PE, PTOE

LANDSCAPE ARCHITECT
LETTER 27 DESIGN, LLC
LIVINGSTON, NEW JERSEY
(914) 924-6363
CONTACT: SHAWN PARTIN, PLA, ASLA

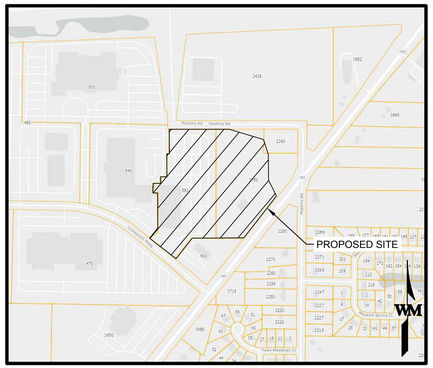
AMHERST TOWNSHIP
5583 MAIN STREET
WILLIAMSVILLE, NY 14221
716-631-7000

NATIONAL FUEL
409 MAIN STREET
BUFFALO, NY 14203
716-857-7967

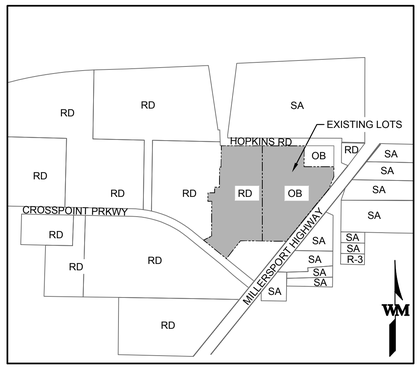
ERIE COUNTY WATER DEPT.
2900 COLUMBUS AVE
SANDUSKY, OH 44870
716-685-8289

NYS ELECTRIC & GAS
P.O BOX 5240
BINGHAMTON, NY 13902-5240
716-651-5256

NATIONAL GRID
4255 HARLEM RD
AMHERST, NY 14226
315-428-6319



TOWN OF AMHERST PARCEL MAP
SCALE: 1" = ±600'



ZONING MAP
SCALE: 1" = ±600'

PARKING NARRATIVE

THE EXISTING 580 CROSSPOINT PARKWAY BUILDING IS CONNECTED TO THE 540 CROSSPOINT PARKWAY BUILDING TO THE WEST. CITI HAS 1,580 EMPLOYEES WORKING AT 580 CROSSPOINT AND 861 EMPLOYEES WORKING AT 540 CROSSPOINT. THROUGH RECIPROCAL PARKING AGREEMENTS FROM THE UNIFIED DEVELOPMENT, ALL STAFF WITHIN THE 540 AND 580 BUILDINGS CURRENTLY HAVE ACCESS TO 526 PARKING SPACES AT 580 CROSSPOINT, 329 PARKING PARKING SPACES AT 540 CROSSPOINT, AND 420 PARKING SPACES AT 500 CROSSPOINT PARKWAY. HOWEVER, THE NEW LEASE SEPARATES 580 CROSSPOINT PARKWAY FROM 540 CROSSPOINT, AND ALL CITI EMPLOYEES CURRENTLY AT 540 WILL BE MOVED TO 580. UPON TERMINATION OF THE LEASE, EMPLOYEES IN THE 580 CROSSPOINT BUILDING WILL ONLY HAVE ACCESS TO THE EXISTING 526 STALLS LOCATED AT 580 CROSSPOINT PARKWAY.

THE PROPOSED PARKING ADDITION IS DESIGNED TO ACCOMMODATE THE EMPLOYEE HEADCOUNT AT 580 CROSSPOINT AND MAKE UP FOR THE LOSS OF ACCESSORY PARKING FROM OTHER AREAS OF THE UNIFIED DEVELOPMENT.

PARKING REQUIREMENTS
(§ 7-1-4)

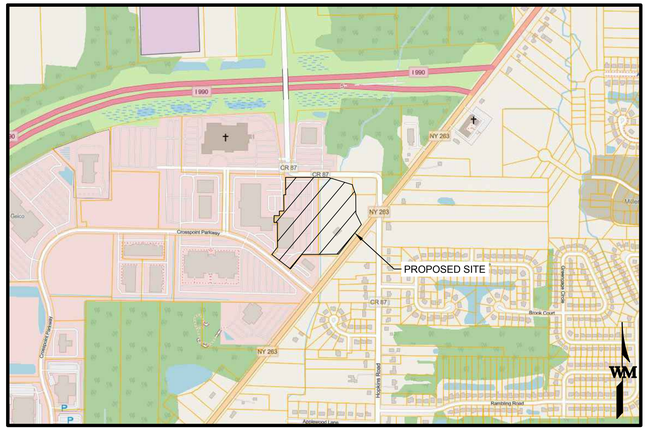
	580 CROSSPOINT PARKWAY (SBL: 28.00-1-70.11)	3750 MILLERSPORT HIGHWAY (SBL: 28.00-1-58.111)	TOTAL
MINIMUM PARKING REQUIRED			
OFFICE BUILDING			
1 SPACE PER 200 SF OF NFA*			125,301 SF / 200 = 627
TOTAL PARKING REQUIRED			**627**
EXISTING CONDITION			
STANDARD PARKING SPACES	518	0	518
ADA PARKING SPACES	8	0	8
TOTAL EXISTING PARKING	526	0	**526**
PROPOSED CONDITION			
STANDARD PARKING SPACES	500	471	971
ADA PARKING SPACES	20	0	20
TOTAL PARKING PROVIDED	520	471	**991**

* NET FLOOR AREA : FOR MULTISTORY SIGNLE TENANT BUILDING, NFA= 80% of GFA. PER§ 7-1-4.C.
156,626 GSF x 0.8 = 125,301 SF

PRINCIPAL & ACCESSORY USE/STRUCTURE DIMENSIONAL STANDARDS
3750 MILLERSPORT HIGHWAY TOWNSHIP OF AMHERST, NY (§ 4-2 - 4-9)

ITEM	PERMITTED / REQUIRED		PROPOSED		COMPLIANCE
ZONE	**RD (RESEARCH DEVELOPMENT)**	**OB (OFFICE BUILDING)**	**OB (OFFICE BUILDING)**	**OB / RD**	N/A
USE	VARIES	VARIES	OFF STREET PARKING ACCESSORY USE	MERGED LOT	YES
BULK REQUIREMENTS					
MINIMUM LOT AREA	1.0 AC	N/A	6.47 AC	14.47 AC	YES
MINIMUM LOT WIDTH	35.0 FT	N/A	N/A	249.0 FT	YES
MINIMUM FRONT YARD *	30.0 FT	20.0 FT	N/A	107.30 FT	YES
MINIMUM REAR YARD *	25.0 FT	25.0 FT	N/A	23.11 FT	YES
MINIMUM SIDE YARD **	25.0 FT	25.0 FT	N/A	107.4 FT	YES
MAXIMUM BUILDING HEIGHT	65.0 FT	65.0 FT	N/A	±49.0 FT	YES
MAXIMUM BUILDING COVERAGE	N/A	N/A	N/A	7.74%	YES
VEHICLE USE					YES
MINIMUM FRONT YARD ***	25.0 FT	15.0 FT	20.0 FT	20.0 FT	YES
MINIMUM REAR YARD ***	25.0 FT	10.0 FT	55.0 FT	0.0 FT (EX)	YES
MINIMUM SIDE YARD **	25.0 FT	10.0 FT	120.0 FT	47.1 FT (EX)	YES

* 20 FT MIN FRONT YARD AND 15 FT REAR YARD FOR STRUCTURES LESS THAN 35 & 30 FT RESPECTIVELY. 30 FT MIN FRONT YARD AND 25 MIN YARD STRUCTURES HEIGHT GREATER THAN 30 FT AND 35 FT RESPECTIVELY.
** PROJECT LOT IS A CORNER LOT AND THUS HAS NO SIDE YARD
*** VEHICLE USE FRONT YARD SETBACK MUST BE LANDSCAPED



VICINITY/LOCATION MAP
SCALE: 1" = ±800'

GENERAL PROJECT NOTES:

1. THE PROPERTY IS KNOWN AS BLOCK 1, LOTS 70.11 & 58.111, AS SHOWN ON TAX MAP OF AMHERST TOWNSHIP, ERIE COUNTY, NEW JERSEY.
2. THE PROPERTY LIES IN THE RESEARCH DEVELOPMENT (RD) AND OFFICE BUILDING (OB) ZONES PER THE AMHERST TOWNSHIP ZONING MAP.
3. STREET NAMES, RIGHT-OF-WAY WIDTHS, BLOCK AND LOT NUMBERS ARE SHOWN IN ACCORDANCE WITH THE TOWNSHIP TAX MAPS.
4. THE PROPERTY BOUNDARY IS REFERENCED FROM A PLAN TITLED "ALTA/NSPS LAND TITLE SURVEY" PREPARED BY TRUE NORTH LAND SURVEYING, PLLC DATED SEPTEMBER 13TH 2024.
5. THE PLANIMETRIC AND TOPOGRAPHIC INFORMATION SHOWN HEREON HAS BEEN TAKEN FROM A PLAN TITLED "ALTA/NSPS LAND TITLE SURVEY" PREPARED BY TRUE NORTH LAND SURVEYING, PLLC DATED SEPTEMBER 13TH 2024.
6. A PORTION OF EXISTING SURFACE IMPROVEMENTS AND UNDERGROUND UTILITIES DEPICTED ON LOT 70.11 ARE REFERENCED FROM A PLAN TITLED ALTA/ACSM LAND TITLE SURVEY 540,562 AND 580 CROSSPOINT DATED 11/17/2008.
7. THE PROJECT VERTICAL DATUM IS BASED UPON NAVD88 DERIVED USING RTK RECEIVERS AND KEYNET.
8. THE PROJECT HORIZONTAL DATUM IS BASED UPON NJ STATE PLANE COORDINATE GRID NAD 1983.
9. THE MAJORITY OF LOT 58.111 IS LOCATED IN FEMA FLOOD PLAIN AE, WITH A BASE FLOOD ELEVATION OF 580 (NAVD88) PER FEMA FLOOD INSURANCE RATE MAP 36029C0086H.

SHEET INDEX

Sheet Number	Sheet Title
01	C1.0 - COVER SHEET
02	C1.1 - NOTES
03	C2.0 - OVERALL EXISTING CONDITIONS PLAN
04	C3.0 - SITE REMOVALS PLAN
05	C4.0 - OVERALL SITE PLAN
06	C4.1 - ENLARGED SITE PLAN
07	C4.2 - ENLARGED SITE PLAN
08	C5.0 - GRADING PLAN
09	C5.1 - GRADING PLAN
10	C6.0 - DRAINAGE PLAN
11	C6.1 - DRAINAGE PLAN
12	C6.2 - DRAINAGE DETAILS
13	C7.0 - LIGHTING PLAN
14	C7.1 - LIGHTING DETAILS
15	C8.0 - EROSION & SEDIMENT CONTROL PLAN
16	C8.1 - EROSION & SEDIMENT CONTROL DETAILS & NOTES
17	C9.0 - WETLANDS IMPACT PLAN
18	C10.0 - VEHICLE CIRCULATION PLAN
19	C11.0 - CONSTRUCTION DETAILS
20	C12.0 - OVERALL LANDSCAPE PLAN
21	L1.0 - LANDSCAPE PLAN & NOTES
22	L-1.1 - LANDSCAPE DETAILS

PROJECT NARRATIVE

THE PROJECT CONSISTS OF A 471 SPACE PARKING LOT EXPANSION TO SUPPORT THE EXISTING CITI BANK OFFICE SPACE ON 580 CROSSPOINT PARKWAY. ADDITIONAL IMPROVEMENTS INCLUDE LANDSCAPING, LIGHTING, AND STORMWATER MANAGEMENT FACILITIES. AS PART OF A SEPERATE APPLICATION, LOT 58.111 (3750 MILLERSPORT HIGHWAY), AND LOT 70.11 (580 CROSSPOINT PARKWAY) ARE PROPOSED TO BE MERGED TO A SINGLE LOT.

RESERVED FOR TOWN OF AMHERST USE

811 Know what's below. Call before you dig.

WARE MALCOMB assumes no responsibility for utility locations. The utilities shown on this drawing have been plotted from the best available information. It is, however, the contractor's responsibility to field verify the location of all utilities prior to the commencement of any construction.

WARE MALCOMB
LEADING DESIGN FOR COMMERCIAL REAL ESTATE
45 w 21st street
6th floor
new york, ny 10010
p. 646.680.7000
waremalcomb.com

STATE OF NEW YORK — LICENSED ARCHITECT — 10282 — PROFESSIONAL ENGINEER
10/23/2024
FOR AND ON BEHALF OF WARE MALCOMB

MAJOR SITE PLAN APPLICATION
CROSSPOINT PARKING EXPANSION
3750 MILLERSPORT HIGHWAY
AMHERST, NY 14068

COVER SHEET

NO.	DATE	REMARKS
01	10/23/2024	MAJOR SITE PLAN RESUBMISSION

JOB NO.:	NYC24-4006
PA / PM:	E. WILKES
DESIGNED:	K. SEILER
DATE:	09/19/24
PLOT DATE:	10/23/24

SHEET
C1.0
Sheet 01 of 22

THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY AND COPYRIGHT OF WARE MALCOMB AND SHALL NOT BE USED ON ANY OTHER WORK EXCEPT BY AGREEMENT WITH WARE MALCOMB. WRITTEN DIMENSIONS SHALL TAKE PRECEDENCE OVER SCALED DIMENSIONS AND SHALL BE VERIFIED ON THE JOB SITE. ANY DISCREPANCY SHALL BE BROUGHT TO THE NOTICE OF WARE MALCOMB PRIOR TO THE COMMENCEMENT OF ANY WORK

Attachment: SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins) : SP-2019-13_A, drawings_112124 (29459 : SP-2019-13

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GENERAL NOTES:

1. ALL WORK AND MATERIALS SHALL BE IN ACCORDANCE WITH ALL RELATIVE TOWNSHIP OF AMHERST AND ERIE COUNTY LAND DEVELOPMENT CODES, NJDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (LATEST EDITION), AND NJDEP REGULATIONS, EXCEPT AS MODIFIED HEREIN.

2. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS, NOC'S AND INSURANCE REQUIRED FOR THE WORK.

3. CONTRACTOR TO BE RESPONSIBLE FOR SCHEDULING A PRE-CONSTRUCTION INSPECTION OF THE SITE PRIOR TO THE BEGINNING OF THE WORK. CONTRACTOR SHALL INFORM THE OWNER, COMPANY REPRESENTATIVE, CEC, UTILITY AUTHORITY AND INTERESTED COUNTY AGENCIES AT LEAST 48 HOURS PRIOR TO THE SCHEDULED INSPECTION.

4. THE CONTRACTOR IS RESPONSIBLE FOR SITE SAFETY AND WAYS, MEANS AND METHODS OF CONSTRUCTION.

5. DEVIATIONS FROM THESE PLANS AND NOTES WITHOUT PRIOR CONSENT OF THE OWNER OR THEIR REPRESENTATIVE MAY CAUSE THE WORK TO BE UNACCEPTABLE.

6. VERIFY EXISTING TOPOGRAPHIC DATA, LOCATIONS OF EXISTING UTILITIES, AND ALL OTHER SITE CONDITIONS PRIOR TO BEGINNING CONSTRUCTION.

7. VERIFY BUILDING DIMENSIONS FROM ARCHITECTURAL DRAWINGS FOR FIELD STAKING.

8. CHECK ALL BUILDING DIMENSIONS AND COORDINATE WITH THE ARCHITECTURAL PLANS.

9. CALL UTILITIES PROTECTION CENTER 811.

10. THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITY AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES, AND WHERE POSSIBLE MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED UPON AS BEING EXACT OR COMPLETE. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS, UTILITY LOCATIONS, AND INVERTS PRIOR TO CONSTRUCTION. ANY CONDITIONS FOUND TO DIFFER FROM THOSE SHOWN BY THE DRAWINGS SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE ENGINEER. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL UTILIZES WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS.

11. CONTRACTOR SHALL TAKE ALL MEASURES NECESSARY YO TO PROTECT EXISTING AND NEWLY CONSTRUCTED UTILITIES DURING THE CONSTRUCTION. SHOULD ANY UTILITY LINE OR COMPONENT BECOME DAMAGED OR REQUIRE RELOCATION, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE RESPONSIBLE UTILITY COMPANY AND THE ENGINEER.

12. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO EXISTING UTILITIES CAUSED BY HIS OPERATIONS.

13. CONTRACTOR SHALL COORDINATE ALL CONSTRUCTION WITH OTHER WORK WHICH MAY BE ONGOING ADJACENT TO, OR AFFECTING, THIS CONSTRUCTION. CONTRACTOR SHALL COOPERATE WITH OTHER CONTRACTORS AND ALL AFFECTED UTILITY COMPANIES.

14. CONTRACTOR SHALL NOTIFY ALL APPLICABLE UTILITY COMPANIES AND THE ENGINEER 48 HOURS PRIOR TO THE INITIATING OF ANY EXCAVATION ACTIVITIES, OR A SPECIFIED BY THE UTILITY COMPANY AND ANY PERMITS REQUIRED FOR THE WORK

15. CONTRACTOR SHALL PROTECT EXISTING SURVEY MARKERS, MONUMENTS, ETC. DURING CONSTRUCTION. CONTRACTOR SHALL RESTORE/REPLACE ANY SURVEY MARKERS DAMAGED DURING CONSTRUCTION ACTIVITIES.

16. CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL/DISPOSAL OF ANY UNSUITABLE MATERIAL FROM THE CONSTRUCTION OPERATION, FURNISHING AND COMPACTING SUITABLE REPLACEMENT BACKFILL MATERIAL. DISPOSAL OF UNSUITABLE MATERIAL SHALL BE IN ACCORDANCE WITH ALL FEDERAL, STATE AND LOCAL REGULATIONS.

17. CONSTRUCTION WARNING SIGNS SHALL BE MOUNTED AND ERECTED BEFORE CONSTRUCTION CAN COMMENCE. THESE, AND ALL TRAFFIC CONTROL DEVICES, SHALL FOLLOW THE STANDARDS SET FORTH BY THE MANUAL OF UNIFORM TRAFFIC DEVICES (MUTCD) AND NEW JERSEY DEPARTMENT OF TRANSPORTATION (NJDOT) STANDARD INDEX.

18. CONTRACTOR SHALL BE RESPONSIBLE FOR CLEARLY IDENTIFYING THE AREA OF CONSTRUCTION AND SAFELY ROUTING ALL VEHICULAR AND PEDESTRIAN TRAFFIC AROUND THE CONSTRUCTION AREA. THE CONSTRUCTION AREA SHALL BE CLEARLY MARKED AT ALL TIMES.

19. CONTRACTOR SHALL PROVIDE AND MAINTAIN ADEQUATE EROSION AND TURBIDITY CONTROLS IN ACCORDANCE WITH NJDEP DURING AND FOLLOWING CONSTRUCTION, UNTIL ALL DISTURBED AREAS HAVE BEEN STABILIZED TO AVOID ADVERSE ENVIRONMENTAL IMPACTS TO OFFSITE PROPERTY AND DRAINAGE SYSTEMS.

20. CONTRACTOR SHALL HYDRO SEED AND MULCH (OR SOD AS APPLICABLE) ALL AREAS DISTURBED BY THE CONSTRUCTION OF THIS PROJECT ACCORDING TO LOCAL REGULATIONS.

21. CONTRACTOR SHALL MAINTAIN "AS-BUILT" INFORMATION ON A REGULAR BASIS. CONTRACTOR SHALL EMPLOY THE SERVICES OF A SURVEYOR REGISTERED IN THE STATE OF NEW JERSEY TO DETERMINE ALL "AS-BUILT" INFORMATION. WITHIN 14 DAYS OF THE COMPLETION OF THE WORK, CONTRACTOR SHALL PROVIDE SIGNED AND SEALED COPIES AND THE DIGITAL CAD FILE OF THE "AS-BUILT" DRAWINGS AND SUPPORTING SURVEY RECORDS TO THE ENGINEER. "AS-BUILT" DRAWINGS ARE TO BE IN ACCORDANCE WITH THE TOWNSHIP OF AMHERST REQUIREMENTS. .

22. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PRODUCE AS-BUILT DRAWINGS FOR ANY JURISDICTIONAL AGENCIES AS MAY BE REQUIRED FOR PROJECT CERTIFICATION.

23. CONTRACTOR SHALL GIVE THE ENGINEER A MINIMUM OF 48 HOURS NOTICE OF ALL MEETINGS OR TESTING MEASURES REQUIRED TO BE WITNESSED BY THE CONSTRUCTION ACTIVITIES RELATED TO THE WORK.

24. THE CONTRACTOR SHALL SUBMIT FIVE (5) SETS OF STANDARD SHOP DRAWINGS AND MANUFACTURER'S CATALOGS WITH THE MODEL NUMBER OR TYPE OF THE ITEM ENCIRCLED OR OTHERWISE DESIGNATED. THE SUBMITTALS SHALL BEAR THE APPROVAL OF THE UNDERGROUND UTILITY CONTRACTOR. ALL UTILITY SHOP DRAWINGS WILL NEED TO BE APPROVED BY THE ENGINEER OF RECORD AND ABERDEEN TOWNSHIP PRIOR TO CONSTRUCTION.

25. THE CONTRACTOR SHALL SUBMIT FIVE (5) SETS OF COMPLETE DETAILED SHOP DRAWINGS FOR ALL SANITARY MANHOLES, WET WELLS, OTHER CASTINGS, AND PUMPS. THE SUBMITTALS SHALL BEAR THE APPROVAL OF THE UNDERGROUND UTILITY CONTRACTOR ON EACH SHEET. A COMPLETE SET OF THE LIFT STATION ELECTRICAL SHOP DRAWINGS IS ALSO REQUIRED IF APPLICABLE. ALL UTILITY SHOP DRAWINGS WILL NEED TO BE APPROVED BY THE ENGINEER OF RECORD AND THE TOWNSHIP OF AMHERST PRIOR TO CONSTRUCTION.

26. THE PROPERTY OWNER, CONTRACTOR, AND AUTHORIZED REPRESENTATIVES SHALL PROVIDE PICKUP, REMOVAL, AND DISPOSAL OF LITTER WITHIN THE PROJECT LIMITS AND SHALL BE RESPONSIBLE FOR MAINTENANCE OF THE AREA FROM THE EDGE OF PAVEMENT TO THE PROPERTY LINE WITHIN THE CITY'S RIGHT-OF-WAY IN ACCORDANCE WITH THE ABERDEEN TOWNSHIP CODE.

GENERAL UTILITY NOTES:

1. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE TOWNSHIP OF AMHERST UTILITY SYSTEMS DEPARTMENT UTILITY STANDARDS MANUAL AND THE TOWNSHIP OF AMHERST LAND DEVELOPMENT CODE, DETAILS AND SPECIFICATIONS, AS WELL AS ALL APPLICABLE STATE AND LOCAL REGULATIONS, EXCEPT AS MODIFIED HEREIN.

2. THE UTILITIES SHOWN ARE SHOWN FOR THE CONTRACTOR'S CONVENIENCE ONLY. THERE MAY BE OTHER UTILITIES THAN THOSE SHOWN ON THESE PLANS. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR THE LOCATIONS SHOWN. VERIFY THE LOCATIONS OF ALL UTILITIES WITHIN THE LIMITS OF THE WORK. REPAIR ALL DAMAGES MADE TO EXISTING UTILITIES AT NO COST TO THE OWNER.

3. VERTICAL LOCATIONS OF ALL EXISTING UTILITIES SHOWN ON THE PLAN AND PROFILE SHEETS HAVE BEEN ASSUMED. CONTRACTOR SHALL EXERCISE CAUTION DURING EXCAVATION NEAR EXISTING UTILITIES SHOWN ON THE PLANS AND NOTIFY THE ENGINEER IF THE LOCATION DIFFERS FROM THAT SHOWN BEFORE CONTINUING WITH THE CONSTRUCTION.

4. ALL UNSUITABLE MATERIALS UNDER PROPOSED PIPING SHALL BE REMOVED AND REPLACED WITH SELECT BACKFILL, PROPERLY COMPACTED TO 95% OF MAXIMUM DENSITY PER THE TOWNSHIP OF AMHERST UTILITY SYSTEMS DEPARTMENT STANDARDS.

5. FITTINGS SHALL BE USED AT LOCATIONS INDICATED ON THE PLANS, UNLESS OTHERWISE APPROVED BY THE ENGINEER. THRUST BLOCKING SHALL BE USED WHERE REQUIRED BY THE TOWNSHIP OF AMHERST. .

6. THE LENGTH OF TRENCH OPEN AT ANY ONE TIME SHALL BE CONTROLLED BY THE PARTICULAR SURROUNDING CONDITIONS, BUT SHALL BE LIMITED TO 300 LINEAR FEET UNLESS APPROVED BY THE ENGINEER IN WRITING.

7. NO CONNECTIONS TO EXISTING POTABLE WATER SYSTEMS SHALL BE ALLOWED UNTIL ALL PROPOSED WATER LINES HAVE BEEN PRESSURE TESTED, DISINFECTED, CLEARED FOR SERVICE AND ACCEPTED BY THE TOWNSHIP OF AMHERST AND NJDEP.

8. THE BACTERIOLOGICAL SAMPLE POINTS SHALL BE INDICATED IN RED ON THE "AS BUILT" DRAWINGS PRIOR TO THE REQUEST FOR A LETTER OF RELEASE TO PLACE THE CONSTRUCTION INTO SERVICE. THE SAMPLE NUMBERS WILL CORRESPOND TO THOSE ON THE BACTERIOLOGICAL SAMPLE LAB SHEETS.

9. IN THE EVENT OF CONFLICTING SPECIFICATIONS WITH THESE NOTES AND THE UTILITY STANDARDS MANUAL, THE MORE STRINGENT REQUIREMENTS APPLY

WATER / SEWER SEPARATION:

1. SANITARY SEWERS (INCLUDING LATERALS), FORCE MAINS, AND STORM SEWERS SHALL CROSS UNDER WATER MAINS WHENEVER POSSIBLE. SANITARY SEWERS, FORCE MAINS AND STORM SEWERS CROSSING WATER MAINS SHALL BE INSTALLED TO PROVIDE A MINIMUM VERTICAL DISTANCE OF 18 INCHES BETWEEN THE INVERT OF THE UPPER PIPE AND THE CROWN OF THE LOWER PIPE.

2. A FULL, UNCUT LENGTH OF WATER MAIN PIPE, AT LEAST 20 FEET IN LENGTH, SHALL BE CENTERED AT THE POINT OF CROSSING OF ALL WATER AND SEWER PIPING, REGARDLESS OF THE VERTICAL SEPARATION.

3. WATER MAINS SHALL BE LOCATED AT LEAST 10 FEET HORIZONTALLY FROM PIPES CARRYING RAW WASTEWATER, AND 10 FEET HORIZONTALLY FROM PIPES CARRYING RECLAIMED WATER, UNLESS OTHERWISE SPECIFICALLY SHOWN ON THE PLANS. THE DISTANCE SHALL BE MEASURED FROM INSIDE EDGE OF PIPE TO INSIDE EDGE OF PIPE. WATER MAINS SHALL BE LAID TO PRO VIDE A SEPARATION OF AT LEAST 18 INCHES BETWEEN THE BOTTOM OF WATER MAIN AND THE TOP OF SEWER OR RECLAIMED WATER PIPE. WATER MAINS SHALL CROSS ABOVE SEWER OR RECLAIMED WATER PIPE WITH A VERTICAL SEPARATION OF AT LEAST 18 INCHES

WASTEWATER COLLECTION SYSTEMS:

MATERIALS AND INSTALLATION FOR WASTEWATER COLLECTION SYSTEM INCLUDING, BUT NOT LIMITED TO, GRAVITY SEWERS, MANHOLES, SERVICE LATERALS, FORCE MAINS, LIFT STATIONS, AND TESTING REQUIREMENTS SHALL CONFORM TO THE TOWNSHIP OF AMHERST UTILITY SYSTEMS DEPARTMENT UTILITY STANDARDS MANUAL AND THE TOWNSHIP OF AMHERST LAND DEVELOPMENT CODE AND ALL APPLICABLE NJDEP REGULATIONS.

4. JOINTS FOR DISSIMILAR PIPE SHALL BE MADE WITH A FLEXIBLE MECHANICAL COMPRESSION COUPLING WITH GRADE 304 STAINLESS STEEL BANDS.

5. WYE GRAVITIES FOR LATERAL SERVICE SHALL BE SIX (6) INCHES 1.D.

6. PLUGS SHALL BE OF THE SAME MATERIAL AS THE PIPE, GASKETED, AND SHALL WITHSTAND THE REQUIRED TEST PRESSURE.

7. LEAKAGE TEST SHALL BE IN ACCORDANCE WITH TOWNSHIP OF AMHERST AND AWWA C--600, SECTION 5.2

GENERAL SEPARATION NOTE:

1. ALL UTILITIES SHOULD BE KEPT TEN (10') APART (PARALLEL) OR WHEN CROSSING 18" VERTICAL CLEARANCE (OUTSIDE EDGE OF PIPE TO OUTSIDE EDGE OF PIPE).

WATER DISTRIBUTION SYSTEMS:

1. MATERIALS AND INSTALLATION FOR WATER DISTRIBUTION SYSTEM INCLUDING, BUT NOT LIMITED TO, PIPE FITTINGS, VALVES, JOINT RESTRAINTS, FIRE HYDRANTS, FIRE HYDRANTS, SERVICE LINES, TESTING, AND DISINFECTION SHALL CONFORM TO THE TOWNSHIP OF AMHERST UTILITY SYSTEMS DEPARTMENT UTILITY STANDARDS MANUAL AND THE LAND DEVELOPMENT CODE AND ALL APPLICABLE NJDEP REGULATIONS. ALL PVC PIPE SHALL BE SDR--18 UNLESS SPECIFIED OTHERWISE.

PAVING, GRADING AND DRAINAGE NOTES

1. CONTRACTOR SHALL FOLLOW ALL MINIMUM RECOMMENDATIONS AND SPECIFICATIONS FOR SITE PREPARATION AND GRADING CONTAINED IN THE REPORT OF GEOTECHNICAL INVESTIGATION PREPARED BY JUNE 20 2024.

2. THE CONTRACTOR AND SUBCONTRACTOR S SHALL OBTAIN A COPY OF THE FLORIDA DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" (LATEST EDITION) AND BECOME FAMILIAR WITH THE CONTENTS PRIOR TO COMMENCING WORK, AND, UNLESS OTHERWISE NOTED, ALL WORK SHALL CONFORM AS APPLICABLE TO THESE STANDARDS AND SPECIFICATIONS.

3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FURNISHING ALL MATERIAL AND LABOR TO CONSTRUCT THE FACILITY AS SHOWN AND DESCRIBED IN THE CONSTRUCTION DOCUMENTS IN ACCORDANCE WITH THE APPROPRIATE APPROVING AUTHORITIES, SPECIFICATIONS AND REQUIREMENTS. CONTRACTOR SHALL CLEAR AND GRUB ALL AREAS UNLESS OTHERWISE INDICATED, REMOVING TREES, STUMPS, ROOTS, MUCK, EXISTING PAVEMENT AND ALL OTHER DELETERIOUS MATERIAL.

4. ALL PAVING, CONSTRUCTION, MATERIALS, AND WORKMANSHIP WITHIN CITY'S RIGHT-- OF-- WAY SHALL BE IN ACCORDANCE WITH LOCAL OR CITY SPECIFICATIONS AND STANDARDS (LATEST EDITION) OR NJDOT SPECIFICATIONS AND STANDARDS (LATEST EDITION) IF NOT COVERED BY LOCAL REGULATIONS.

5. ALL UNPAVED AREAS IN EXISTING RIGHTS-- OF-- WAY DISTURBED BY CONSTRUCTION SHALL BE REGRADED AND SODDED.

6. TRAFFIC CONTROL ON ALL NJDOT, LOCAL AND COUNTY RIGHTS-- OF-- WAY SHALL MEET THE REQUIREMENTS OF THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (U. S. DOT/FHA) AND THE REQUIREMENTS OF THE STATE AND AN Y LOCAL AGENCY HAVING JURISDICTION. IN THE EVENT THAT THE CONTRACT DOCUMENTS AND THE JURISDICTIONAL AGENCY REQUIREMENTS ARE NOT IN AGREEMENT, THE MOST STRINGENT SHALL GOVERN.

7. THE CONTRACTOR SHALL GRADE THE SITE TO THE ELEVATIONS INDICATED AND SHALL REGRADE WASHOUTS WHERE THEY OCCUR AFTER EVERY RAINFALL UNTIL A GRASS STAND IS WELL ESTABLISHED OR ADEQUATE STABILIZATION OCCURS.

8. ALL OPEN AREAS WITHIN THE PROJECT SITE SHALL BE SODDED UNLESS INDICATED OTHERWISE ON THE LANDSCAPE PLAN.

9. ALL AREAS INDICATED AS PAVEMENT SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE TYPICAL PAVEMENT SECTIONS AS INDICATED ON THE DRAWINGS.

10. WHERE EXISTING PAVEMENT IS INDICATED TO BE REMOVED AND REPLACED, THE CONTRACTOR SHALL SAW CUT A MINIMUM 2" DEEP FOR A SMOOTH AND STRAIGHT JOINT AND REPLACE THE PAVEMENT WITH THE SAME TYPE AND DEPTH OF MATERIAL AS EXISTING OR AS INDICATED.

11. WHERE NEW PAVEMENT MEETS THE EXISTING PAVEMENT, THE CON TRACTOR SHALL SAW CUT THE EXISTING PAVEMENT A MINIMUM 2" DEEP FOR A SMOOTH AND STRAIGHT JOINT AND MATCH THE EXISTING PAVEMENT ELEVATION WITH THE PROPOSED PAVEMENT UNLESS OTHERWISE INDICATED.

12. THE CONTRACTOR SHALL INSTALL FILTER FABRIC OVER ALL DRAINAGE STRUCTURES FOR THE DURATION OF CONSTRUCTION AND UNTIL ACCEPTANCE OF THE PROJECT BY THE OWNER. ALL DRAINAGE STRUCTURES SHALL BE CLEANED OF DEBRIS AS REQUIRED DURING AND AT THE END OF CONSTRUCTION TO PROVIDE POSITIVE DRAINAGE FLOWS.

13. STRIP TOPSOIL AND ORGANIC MATTER FROM ALL AREAS OF THE SITE AS REQUIRED. IN SOME CASES TOPSOIL MAY BE STOCKPILED ON SITE FOR PLACEMENT WITHIN LANDSCAPED AREAS BUT ONLY AS DIRECTED BY THE OWNER.

14. FIELD DENSITY TESTS SHALL BE TAKEN AT INTERVALS IN ACCORDANCE WITH THE LOCAL JURISDICTION AL AGENCY OR TO NJDOT STANDARDS. IN THE EVEN T THAT THE CONTRACT DOCUMENTS AND THE JURISDICTIONAL AGENCY REQUIREMENTS ARE NOT IN AGREEMENT, THE MOST STRINGENT SHALL GOVERN.

15. ALL SLOPES AND AREAS DISTURBED BY CONSTRUCTION SHALL BE GRADED AS PER PLANS. THE AREAS SHALL THEN BE SODDED OR SEEDED AS SPECIFIED IN THE PLANS, FERTILIZED, MULCHED, WATERED AND MAINTAINED UN TIL HARDY GRASS GROWTH IS ESTABLISHED IN ALL AREAS. ANY AREAS DISTURBED FOR ANY REASON PRIOR TO FINAL ACCEPTANCE OF THE JOB SHALL BE CORRECTED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER. ALL EAR THEN AREAS WILL BE SODDED OR SEEDED AND MULCHED AS SHOWN ON THE LANDSCAPING PLAN.

16. ALL CUT OR FILL SLOPES SHALL BE 3 (HORIZONTAL) : 1 (VERTICAL) OR FLATTER UNLESS OTHER WISE SHOWN.

17. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CONTROL OF DUST AND DIRT RISING AND SCATTERING IN THE AIR DURING CONSTRUCTION AND SHALL PROVIDE WATER SPRINKLING OR OTHER SUITABLE METHODS OF CONTROL. THE CONTRACTOR SHALL COMPLY WITH ALL GOVERNING REGULATIONS PERTAINING TO ENVIRONMENTAL PROTECTION.

18. THE CONTRACTOR SHALL TAKE ALL REQUIRED MEASURES TO CONTROL TURBIDITY, INCLUDING BUT NOT LIMITED TO THE INSTALLATION OF TURBIDITY BARRIERS AT ALL LOCATIONS WHERE THE POSSIBILITY OF TRANSFERRING SUSPENDED SOLIDS IN TO THE RECEIVING WATER BODY EXISTS DUE TO THE PROPOSED WORK. TURBIDITY BARRIERS MUST BE MAINTAINED IN EFFECTIVE CONDITION AT ALL LOCATIONS UNTIL CONSTRUCTION IS COMPLETED AND DISTURBED SOIL AREAS ARE STABILIZED, THEREAFTER, THE CONTRACTOR MUST REMOVE THE BARRIERS. AT NO TIME SHALL THERE BE ANY OFF-- SITE DISCHARGE WHICH VIOLATES THE WATER QUALITY STANDARDS.

19. SOD, WHERE CALLED FOR, MUST BE INSTALLED AND MAINTAINED ON EXPOSED SLOPES WITHIN 48 HOURS OF COMPLETING FINAL GRADING, AND AT ANY OTHER TIME AS NECESSARY, TO PREVENT EROSION, SEDIMENTATION OR TURBID DISCHARGES.

20. THE CONTRACTOR MUST REVIEW AND MAINTAIN A COPY OF THE ENVIRONMENTAL RESOURCE PERMIT COMPLETE WITH ALL CONDITIONS, ATTACHMENTS, EXHIBITS, AND PERMIT MODIFICATION S IN GOOD CONDITION AT THE CONSTRUCTION SITE. THE COMPLETE PERMIT MUST BE AVAILABLE FOR REVIEW UPON REQUEST BY WATER MANAGEMENT DISTRICT REPRESENTATIVES.

21. THE CONTRACTOR SHALL ENSURE THAT ISLAND PLANTING AREAS AND OTHER PLAN TING AREAS ARE NOT COMPACTED AND DO NOT CONTAIN ROAD BASE MATERIALS. THE CONTRACTOR SHALL ALSO EXCAVATE AND REMOVE ALL UNDESIRABLE MATERIAL FROM ALL AREAS ON THE SITE TO BE PLANTED AND PROPERLY DISPOSED OF IN A LEGAL MANNER.

22. THE CONTRACTOR SHALL INSTALL ALL UNDERGROUND STORMWATER PIPING PER MANUFACTURER'S RECOMMENDATIONS

WATER AND SEWER UTILITY NOTES

1. THE CONTRACTOR SHALL CONSTRUCT GRAVITY SEWER LATERALS, MANHOLES GRAVITY SEWER LINES AND DOMESTIC WATER AND FIRE PROTECTION SYSTEM AS SHOWN ON THESE PLANS. THE CONTRACTOR SHALL FURNISH ALL NECESSARY MATERIALS, EQUIPMENT, MACHINERY, TOOLS, MEANS OF TRANSPORTATION AND LABOR NECESSARY TO COMPLETE THE WORK IN FULL AND COMPLETE ACCORDANCE WITH THE SHOWN, DESCRIBED AND REASONABLY INTENDED REQUIREMENTS OF THE CONTRACT DOCUMENTS AND JURISDICTIONAL AGENCY REQUIREMENTS. IN THE EVENT THAT THE CONTRACT DOCUMENTS AND THE JURISDICTIONAL AGENCY REQUIREMENTS ARE NOT IN AGREEMENT, THE MOST STRINGENT SHALL GOVERN.

2. ALL EXISTING UNDERGROUND UTILITY LOCATIONS SHOWN ARE APPROXIMATE. THE CONTRACTOR SHALL COMPLY WITH ALL REQUIREMENTS FOR UTILITY LOCATION AND COORDINATION IN ACCORDANCE WITH THE NOTES CONTAINED IN THE GENERAL CONSTRUCTION SECTION OF THIS SHEET.

3. THE CONTRACTOR SHALL RESTORE ALL DISTURBED VEGETATION IN KIND, UNLESS SHOWN OTHERWISE.

4. DEFLECTION OF PIPE JOINTS AND CURVATURE OF PIPE SHALL NOT EXCEED THE MANUFACTURER'S SPECIFICATIONS. SECURELY CLOSE ALL OPEN ENDS OF PIPE AND FITTINGS WITH A WATERTIGHT PLUG WHEN WORK I5 NOT IN PROGRESS. THE INTERIOR OF ALL PIPES SHALL BE CLEAN AND JOINT SURFACES WIPED CLEAN AND DRY AFTER THE PIPE HAS BEEN LOWERED INTO THE TRENCH. VALVES SHALL BE PLUMB AND LOCATED ACCORDING TO THE PLANS.

5. ALL PHASES OF INSTALLATION, INCLUDING UNLOADING, TRENCHING, LAYING AND BACK FILLING, SHALL BE DONE IN A FIRST CLASS WORKMANLIKE MANNER. ALL PIPE AND FITTINGS SHALL BE CAREFULLY STORED FOLLOWING MANUFACTURER'S RECOMMENDATIONS. CARE SHALL BE TAKEN TO AVOID DAMAGE TO THE COATING OR LINING IN ANY D.1. PIPE FITTINGS. ANY PIPE OR FITTING WHICH IS DAMAGED OR WHICH HAS FLAWS OR IMPERFECTIONS WHICH, IN THE OPINION OF THE ENGINEER OR OWNER. RENDERS IT UNFIT FOR USE, SHALL NOT BE USED. ANY PIPE NOT SATISFACTORY FOR USE SHALL BE CLEARLY MARKED AND IMMEDIATELY REMOVED FROM THE JOB SITE, AND SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.

6. WATER FOR FIRE FIGHTING SHALL BE AVAILABLE FOR USE PRIOR TO COMBUSTABLES BEING BROUGHT ON SITE.

7. ALL UTILITY AND STORM DRAIN TRENCHES LOCATED UNDER AREAS TO RECEIVE PAVING SHALL BE COMPLETELY BACK FILLED IN ACCORDANCE WITH THE GOVERNING JURISDICTIONAL AGENCY'S SPECIFICATIONS AND MANUFACTURER'S RECOMMENDATIONS. IN THE EVENT THAT THE CONTRACT DOCUMENTS AND THE JURISDICTIONAL AGENCY REQUIREMENTS ARE NOT IN AGREEMENT, THE MOST STRINGENT SHALL GOVERN.

8. UNDER GROUND LINES SHALL BE SURVEYED BY A STATE OF NEW JERSEY PROFESSIONAL LAND SURVEYOR PRIOR TO BACK FILLING.

9. CONTRACTOR SHALL PERFORM, AT THEIR OWN EXPENSE, ANY AND ALL TESTS REQUIRED BY THE SPECIFICATIONS AND/OR ANY AGENCY HAVING JURISDICTION. THESE TESTS MAY INCLUDE, BUT MAY NOT BE LIMITED TO, INFILTRATION AND EXFILTRATION, TELEVISION INSPECTION AND A MANDREL TEST ON GRAVITY SEWER. A COPY OF THE TEST RESULTS SHALL BE PROVIDED TO THE UTILITY PROVIDER, OWNER AND JURISDICTIONAL AGENCY AS REQUIRED

GENERAL STRIPING AND SIGNAGE NOTES:

1. ALL STRIPING AND SIGNAGE SHALL BE IN ACCORDANCE WITH NJDOT AND LATEST EDITION OF MUTCD.

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WARE MALCOMB
LEADING DESIGN FOR COMMERCIAL REAL ESTATE

45 w 21st street
6th floor
new york, ny 10010
p. 646.680.7000
waremalcomb.com

STATE OF NEW YORK
LICENSED ARCHITECT
102827
PROFESSIONAL ENGINEER

FOR AND ON BEHALF
OF WARE MALCOMB

MAJOR SITE PLAN APPLICATION
CROSSPOINT PARKING EXPANSION
3750 MILLERSPORT HIGHWAY
AMHERST, NY 14068

NO	DATE	REMARKS
01	10/23/2024	MAJOR SITE PLAN RESUBMISSION

NOTES

JOB NO.:	NYC24-4006
PA / PM:	E. WILKES
DESIGNED:	K. SEILER
DATE:	09/19/24
PLOT DATE:	10/23/24

SHEET
C1.1
Sheet 02 of 22

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Attachment: SP-2019-13A_drawings_112124 (29459 : SP-2019-13, A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

W:\NYC24\4006\00\Civil\CAD\Sheets\CD\NYC24-4006_C1.0_Cover & Notes.dwg 10/23/2024 MSUMMITT 1:1

CAUTION: IF THIS SHEET IS NOT 24"x36" IT IS A REDUCED PRI

HOPKINS ROAD
66 WIDE
(PUBLIC R.O.W.)

WHITE STRIPE

ACCESS

FOUND CAP REBAR

PARCEL "F"

10' WIDE EASEMENT TO NIAGARA MOHAWK POWER CORPORATION BY BY LIBER 11117 OF DEEDS, PAGE 1691

EXCEPTION

GRASS

CONCRETE WALK

S88°55'53"E 347.17'

RIGHT OF WAY

CONCRETE

FENCE

CATCH BASIN

GATE

SET CAP REBAR

SET CAP REBAR

TREE LINE

S88°55'53"E 355.30'

GUARD RAIL

CONCRETE

36" HDPE NE Inv. 573.28

APPROXIMATE LIMIT OF TEMPORARY EASEMENT LINE. PROPERTY LINE TO BE FINALIZED ONCE THE HOPKINS ROAD IMPROVEMENTS ARE RECORDED WITH ERIE COUNTY

TEMPORARY EASEMENT BY THE PEOPLE OF THE STATE OF NEW YORK BY MAP NO. 160, PARCEL 190 (LIBER 11430 DEEDS PAGE 4977)

OWNER NOW OR FORMERLY CITIGOUP TECHOLOGY INC. PARCEL "D" S.B.L. NO. 28.00-1-58.22 (2360 HOPKINS ROAD)

EXCEPTION

APPROPRIATION OF PROPERTY BY THE PEOPLE OF THE STATE OF NEW YORK BY MAP NO. 159, PARCEL 188 (LIBER 11430 DEEDS PAGE 4977)

S88°55'53"E 251.90'

S00°35'17"W 64.55'

EXCEPTION

30" STORM MANHOLE RIM 579.09' 36" HDPE W 573.81' 36" HDPE E 573.91' 24" HDPE S 573.84'

OVEHEAD UTILITY LINESYPICAL

STORM MANHOLE RIM 577.' 48" HDPE N 569.11' 48" HDPE S 571.23' 48" CMP W 569.67'

48" HDPE S INV. 573.48'

12" HDPE E INV. 576.65'

12" HDPE W INV. 576.65'

18" HDPE E INV. 576.76'

12" CMP E INV. 575.43'

POWER POLE NG 2417

12" HDPE W INV. 576.00'

12" CMP W INV. 576.14'

12" HDPE W INV. 576.09'

12" HDPE W INV. 576.59'

POWER POLE NG 2439 NM 2439

WOOD FENCE 18" HDPE W INV. 576.43'

12" HDPE E INV. 576.58'

CURB ISLAND

RECIPROCAL PARKING EASEMENT BY LIBER 11102 DEEDS PAGE 806, LIBER 11258 DEEDS PAGE 4648 & LIBER 11312 DEEDS PAGE 3021

ACCESS

N00°33'43"E 162.20'

N89°26'17"W 11.87'

N00°33'43"E 170.04'

PARCEL "G"

CATCH BASIN RIM 579.73' 12" HDPE N 574.18' 8" HDPE E 572.61'

48" CMP N INV. 570.92'

DRAINAGE DITCH 26A

8" HDPE W INV. 572.62'

CATCH BASIN RIM 579.71' 12" HDPE W 574.97'

S00°35'17"W 808.04'

15' WIDE EASEMENT TO NIAGARA MOHAWK POWER CORP BY LIBER 11137 OF DEEDS, PAGE 1044

AREA CURRENTLY UNDER CONSTRUCTION BY OTHERS

PARCEL "C"

CONCRETE

24" CONC PIPE E INV. 577.52'

24" Conc. Pipe W Inv. 577.47'

S21°15'39"W 150.58'

CATCH BASIN RIM 579.08' 24" HDPE N 574.5' 24" HDPE S 574.52'

4" HDPE SE Inv. 576.79'

CONCRETE

VERTICAL CONDUIT

SIGNAL MANHOLE

CONCRETE

28' WIDE RIGHT OF WAY EASEMENT BY LIBER 11027 DEEDS PAGE 7192

BOLLARD

S89°26'17"E 80.43'

GATE

N00°33'43"E 48.00'

N00°33'43"E 26.78'

S89°26'17"E 55.55'

S89°26'17"E 2.00'

GRASS

RAILING

CATCH BASIN

CONCRETE WALK

CONC. WALK

CONC. WALK

28'

N00°33'43"E 42.73'

N89°26'17"W 32.53'

N89°26'17"W 2.00'

N00°33'43"E 2.00'

CONC.

EASEMENT AND CONNECTOR BUILDING AGREEMENT BY LIBER 11155 OF DEEDS, PAGE 2172

PARCEL "A"

GRASS

CURB ISLAND

CONCRETE WALK

BENCH

CLEAN OUT

CONC

CLEAN OUT

N00°33'43"E 259.50'

FLAGPOLE

FLAGPOLE

FLAGPOLE

CATCH BASIN

GRASS

BENCH

BENCH

CONCRETE WALK

GRASS

CATCH BASIN

CLEAN OUT

CONC. WALK

CONCRETE WALK

CURB CUT OUT

N89°54'28"W 50.00'

BLACKTOP

CURB LINE

CATCH BASIN

CATCH BASIN

CURB LINE

CURB LINE

N89°24'43"W 183.42'

N89°24'43"W 219.84'

TREE LINE

TREE LINE

15 SPACES

GRASS

CONCRETE WALK

GRASS

CURB LINE

CURB LINE

WHITE STRIPE

DOUBLE YELLOW STRIPE

CURB LINE

N51°05'21"W 248.07'

S89°54'28"W 194.17'

CROSSPOINT PARKWAY

70' WIDE

(LIBER DEEDS PAGE 1560)

(PUBLIC R.O.W.)

GRASS

PERMANENT PUBLIC SANITARY SEWER EASEMENT BY LIBER 10933 DEEDS, PAGE 7521

FOUND DRILL HOLE 0.1 S & 0.3 E

RIGHT OF WAY

OWNER NOW OR FORMERLY ECP LLC S.B.L. NO. 28.00-1-58.121 (600 CROSSPOINT PKWY)

4" HDPE SE INV. 577.40'

RIGHT OF WAY

30" STORM MANHOLE RIM 579.83' 30" HDPE NE 575.66' 30" HDPE SW 575.60'

VACANT LOT LOT AREA= 7.993 Acres ±

PARCEL "B"

10" Deciduous

POWER POLE NH 578R LINES UNDERGROUND

80.00' WIDE PERMANENT PUBLIC STORM DRAINAGE EASEMENT BY LIBER 10895 DEEDS PAGE 3248

EXISTING DRAINAGE DITCH #26A

DRAINAGE DITCH 26A

15' WIDE UTILITY EASEMENT BY LIBER 10958 OF DEEDS, PAGE 3455

CATCH BASIN RIM 579.72' 12" HDPE W 575.22'

CATCH BASIN RIM 579.77' 12"HDPE W 575.63'

CURB ISLAND

CURB LINE

POWER POLE NG 570-R

POWER POLE NG 560-R

6" PVC W INV. 573.83'

6" PVC E INV. 573.52'

CURB ISLAND

CURB CUT OUT

OWNER NOW OR FORMERLY UNILAND DEVELOPMENT LLC S.B.L. NO. 28.00-1-58.111 (3750 MILLERSPORT HIGHWAY)

CRUSHED STONE

8" MAPLE

GUY WIRE

POWER POLE NG3750R LINES UNDERGROUND

4" HDPE SE INV. 577.40'

S88°55'53"E 340.42'

36" HDPE SW INV. 576.43'

HYDRANT TOP NUT ELEV. 582.35'

36" HDPE NE INV. 575.98'

4" HDPE SE INV. 576.57'

S88°55'53"E 318.79'

36" HDPE SW INV. 576.03'

MILLERSPORT HIGHWAY WIDTH VARIES (PUBLIC R.O.W.)

TREE LINE

CONCRETE

RESERVED FOR TOWN OF AMHERST USE

LEGEND

EXISTING

- BOUNDARY
- EASEMENT
- CENTERLINE
- CURB
- SIDEWALK
- CURB RAMPS
- SIGN
- PAVEMENT MARKINGS
- CROSSWALK STRIPING
- FIRE HYDRANT
- CATCH BASIN
- WATER VAULT
- TREES
- STORM DRAIN
- OVERHEAD UTILITY
- UTILITY POLE
- LIGHT POLE
- WATERLINE
- TREE LINE
- DRAINAGE DITCH

0 25 50 100

SCALE: 1" = 50'

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LEADING DESIGN FOR COMMERCIAL REAL ESTATE

45 w 21st street
6th floor
new york, ny 10010
p. 646.680.7000
waremalcomb.com

STATE OF NEW YORK
LICENSED ARCHITECTS WORK
KESEILER
10282
PROFESSIONAL ENGINEER

10/23/2024
FOR AND ON BEHALF OF WARE MALCOMB

MAJOR SITE PLAN APPLICATION
CROSSPOINT PARKING EXPANSION
3750 MILLERSPORT HIGHWAY
AMHERST, NY 14068

OVERALL EXISTING CONDITIONS PLAN

NO.	DATE	REMARKS
01	10/23/2024	MAJOR SITE PLAN RESUBMISSION

JOB NO.:	NYC24-4006
PA / PM:	E. WILKES
DESIGNED:	K. SEILER
DATE:	09/19/24
PLOT DATE:	10/23/24

SHEET
C2.0
Sheet 03 of 22

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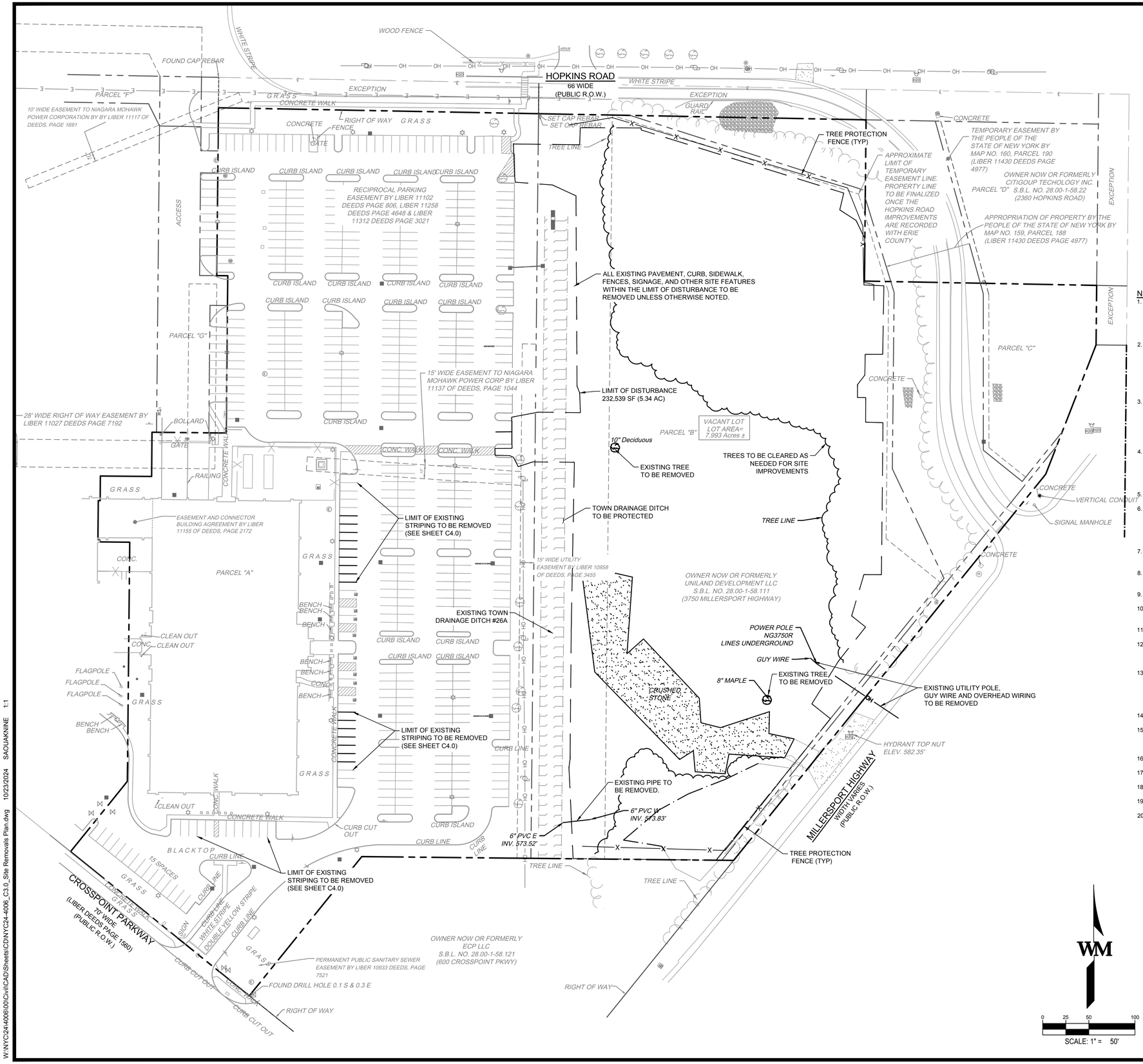
Attachment: SP-2019-13A drawings_112124 (29459 : SP-2019-13 , A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

W:\NYC\24\4006\00\Civil\CAD\Sheets\CD\NYC24-4006_C2.0_Overall Existing Conditions Plan.dwg 10/23/2024 KESEILER 1:1



LEGEND

EXISTING		REMOVE / DEMO
	BOUNDARY	N/A
	EASEMENT	N/A
	CENTERLINE	N/A
	CURB	
	SIDEWALK	N/A
	CURB RAMPS	N/A
	SIGN	N/A
	PAVEMENT MARKINGS	N/A
	CROSSWALK STRIPING	N/A
	FIRE HYDRANT	N/A
	CATCH BASIN	N/A
H2O	WATER VAULT	N/A
	TREES	
	STORM DRAIN	N/A
OH	OVERHEAD UTILITY	N/A
	UTILITY POLE	N/A
	LIGHT POLE	N/A
WM	WATERLINE	N/A
	TREE LINE	

NOTES:

1. THE DEMOLITION CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT EXISTING UTILITIES AND MAINTAIN UNINTERRUPTED SERVICE. ANY DAMAGES RESULTING FROM THE DEMOLITION CONTRACTOR'S FAILURE TO DO SO SHALL BE IMMEDIATELY AND COMPLETELY REPAIRED AT THE DEMOLITION CONTRACTOR'S EXPENSE THE DEMOLITION CONTRACTOR SHALL VERIFY THE LOCATION AND ELEVATION OF ALL EXISTING UTILITIES BY TEST PIT OR OTHER MEANS PRIOR TO DEMOLITION IN THE VICINITY OF THE UTILITIES.
2. THE EXISTING UNDERGROUND UTILITIES SHOWN HAVE BEEN LOCATED FROM REFERENCED SURVEY INFORMATION. THE OWNER AND ENGINEER MAKE NO GUARANTEE THAT THE UNDERGROUND UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED. THE OWNER AND ENGINEER FURTHER DO NOT WARRANT THAT THE UNDERGROUND UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED. THE OWNER AND ENGINEER HAVE NOT PHYSICALLY LOCATED ALL OF THE UNDERGROUND UTILITIES SHOWN ON THIS PLAN. THE DEMOLITION CONTRACTOR IS TO HAND DIG TO LOCATE UNDERGROUND UTILITY LOCATIONS.
3. THE DEMOLITION CONTRACT SHALL COORDINATE AND SCHEDULE ALL UTILITY RELOCATIONS AND/OR INSTALLATIONS WITH THE RESPECTIVE UTILITY COMPANIES. ALL UTILITY CONNECTIONS, METER, CONCRETE PADS, MANHOLES, ETC. SHALL BE REMOVED IN ACCORDANCE WITH UTILITY COMPANY REQUIREMENTS. THE DEMOLITION CONTRACTOR SHALL CONTACT UTILITY COMPANY AND SCHEDULE JOINT FIELD MEETING TO DISCUSS COORDINATION AND CONSTRUCTION SCHEDULE FOR WORK TO BE PERFORMED. CAP UNDERGROUND UTILITIES AT EDGE OF SITE.
4. THE DEMOLITION CONTRACTOR IS RESPONSIBLE FOR THE INSTALLATION, CONSTRUCTION AND MAINTENANCE OF ALL EROSION AND SEDIMENT CONTROL FACILITIES IN ACCORDANCE WITH THE COUNTY SOIL CONSERVATION DISTRICT STANDARDS AND REQUIREMENTS. THE DEMOLITION CONTRACTOR IS RESPONSIBLE FOR THE INSTALLATION OF A STABILIZED CONSTRUCTION ENTRANCE TO EACH FENCED AREA AND KEEPING SURFACED STREETS IN A CLEAN CONDITION AT ALL TIMES DURING CONSTRUCTION.
5. THE DEMOLITION CONTRACTOR IS RESPONSIBLE FOR THE REMOVAL AND DISPOSAL OF ALL RUBBISH, TRASH, DEBRIS AND ORGANIC MATERIAL IN A LAWFUL MANNER.
6. THE DEMOLITION CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL DIMENSIONS FOR BUILDINGS, WALLS, CONCRETE SLABS AND UTILITY SERVICE POINT CONNECTIONS AND SHALL NOTIFY THE ENGINEER OF ANY CONFLICTS OR DISCREPANCIES PRIOR TO CONSTRUCTION. THE DEMOLITION CONTRACTOR SHALL REFERENCE AVAILABLE BUILDING CONSTRUCTION PLANS FOR EXACT LOCATION OF ALL UTILITY CONNECTIONS TO BUILDING, AND ANY DOOR/STEP LOCATIONS.
7. ALL CONSTRUCTION PRACTICES SHALL COMPLY WITH THE LATEST U.S. DEPARTMENT OF LABOR OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) RULES AND REGULATIONS, AS WELL AS ANY AND ALL APPLICABLE NY DEPARTMENT OF LABOR AND INDUSTRY REGULATIONS.
8. THE DEMOLITION CONTRACTOR SHALL BE RESPONSIBLE FOR THE OFFSITE DISPOSAL OF ANY AND ALL EXCESS EXCAVATED MATERIAL AND OTHER UNSUITABLE MATERIAL UNABLE TO BE USED ON SITE.
9. ALL CONCRETE CURBS, SIDEWALKS, BLOCK, BRICK, TERRACOTTA, ETC TO BE CRUSTED AND STOCKPILED AT A LOCATION STIPULATED BY THE OWNER.
10. THE DEMOLITION CONTRACTOR IS ADVISED THAT ALL EXCAVATION ON SITE IS UNCLASSIFIED AND THAT THE DEMOLITION CONTRACTOR SHALL BE RESPONSIBLE FOR ALL MEANS, METHODS AND MATERIALS OF CONSTRUCTION TO COMPLETE CONSTRUCTION AS DESIGNED.
11. THE DEMOLITION CONTRACTOR SHALL COMPLY WITH ALL PROVISIONS OF THE MUNICIPALITY WHEN WORKING WITHIN THEIR RESPECTIVE RIGHTS-OF-WAY.
12. THE DEMOLITION CONTRACTOR SHALL BE RESPONSIBLE FOR THE IMPLEMENTATION AND MAINTENANCE OF A WORK ZONE TRAFFIC CONTROL PLAN IN ACCORDANCE WITH NYDOT, COUNTY AND CITY STANDARDS FOR WORK IN ALL AREAS IN OR ADJACENT TO VEHICULAR TRAFFIC AREAS.
13. DEMOLITION WORK, AS SPECIFIED HEREIN, IS TO BE PERFORMED COMPLETELY BY THE DEMOLITION CONTRACTOR. "COMPLETELY" SHALL MEAN THE SPECIFIC OBJECT NAMED AND ANY ACCESSORY OR AUXILIARY ITEMS WHICH WOULD REASONABLY BE CONSIDERED AS PART OF THE ITEM NAMED, SUCH AS FOUNDATIONS, FOOTERS, RAILINGS, ELBOWS, BOLTS, NUTS ETC. "COMPLETELY" SHALL ALSO MEAN ABOVE GRADE AND BELOW GRADE FOR ALL DEMOLITION, REMOVAL AND DISPOSAL.
14. THE DEMOLITION CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING THAT SITE DEMOLITION AND BACKFILLING DO NOT DAMAGE ADJACENT PROPERTIES OR BUILDINGS.
15. DEMOLITION CONTRACTOR SHALL PROVIDE AN 8 FEET HIGH CHAIN-LINK SITE SECURITY FENCE AROUND THE SITE PRIOR TO START OF WORK. PROVIDE ONE ACCESS OPENING WITH CHAIN LOCK. THE OWNER SHALL BE SUPPLIED WITH TONE KEY FOR EACH LOCK. THE LOCATION AND EXTENT OF OPENING TO BE DETERMINED BY THE OWNER.
16. THE DEMOLITION CONTRACTOR SHALL PROVIDE A 2:1 (HORIZONTAL: VERTICAL) SLOPE AT ALL OPEN FOUNDATION EXCAVATIONS TO DEMOLISHED FOOTING SUB-GRADE.
17. THE DEMOLITION CONTRACTOR SHALL BE RESPONSIBLE FOR SURVEYING AND LEGALLY REMOVING ALL HAZARDOUS MATERIAL LOCATED ON OR IN THE IDENTIFIED LIMIT OF WORK.
18. THE DEMOLITION CONTRACTOR SHALL OBTAIN ALL REQUIRED DEMOLITION PERMITS PRIOR TO THE START OF ANY DEMOLITION WORK.
19. UNLESS OTHERWISE SPECIFIED, ROOF LEADER CONNECTIONS AND OTHER STORM DRAINAGE STRUCTURES FROM THE DEMOLISHED BUILDINGS SHALL BE REMOVED IN PLACE.
20. CONTRACTOR SHALL REMOVE AND REPLACE CURB, GUTTER, PAVING, LANDSCAPE, AND ANY OTHER ITEMS DAMAGED DURING CONSTRUCTION.

RESERVED FOR TOWN OF AMHERST USE

0 25 50 100

SCALE: 1" = 50'

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STATE OF NEW YORK — LICENSED ARCHITECTS WORK — 10282 — LICENSED PROFESSIONAL ENGINEER

10/23/2024
FOR AND ON BEHALF OF WARE MALCOMB

MAJOR SITE PLAN APPLICATION
CROSSPOINT PARKING EXPANSION
3750 MILLERSPORT HIGHWAY
AMHERST, NY 14068

SITE REMOVALS PLAN

NO.	DATE	REMARKS
01	10/23/2024	MAJOR SITE PLAN RESUBMISSION

JOB NO.:	NYC24-4006
PA / PM:	E. WILKES
DESIGNED:	K. SEILER
DATE:	09/19/24
PLOT DATE:	10/23/24

SHEET
C3.0
Sheet 04 of 22

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NOT FOR CONSTRUCTION UNLESS SIGNED

W:\NYC\24\4006\00\Civil\CAD\Sheets\CD\NYC24-4006_C3.0_Site Removals Plan.dwg 10/23/2024 SAOUAKNINE 1:1

Attachment: SP-2019-13A drawings_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

HOPKINS ROAD
66 WIDE
(PUBLIC R.O.W.)

PROPERTY LINE

20 FT FRONT YARD SETBACK &
VEHICULAR USE SETBACK

S88°55'53"E
347.17'

25 FT VEHICULAR USE SETBACK

30 FT FRONT YARD SETBACK

S88°55'53"E
355.30'

6" CONCRETE CURB

APPROXIMATE LIMIT OF TEMPORARY EASEMENT LINE. PROPERTY LINE TO BE FINALIZED ONCE THE HOPKINS ROAD IMPROVEMENTS ARE RECORDED WITH ERIE COUNTY.

TEMPORARY EASEMENT BY THE PEOPLE OF THE STATE OF NEW YORK BY MAP NO. 160, PARCEL 190 (LIBER 11430 DEEDS PAGE 4977)

OWNER NOW OR FORMERLY CITIGOUP TECHOLOGY INC. PARCEL "D" S.B.L. NO. 28.00-1-58.22 (2360 HOPKINS ROAD)

APPROPRIATION OF PROPERTY BY THE PEOPLE OF THE STATE OF NEW YORK BY MAP NO. 159, PARCEL 188 (LIBER 11430 DEEDS PAGE 4977)

PARCEL "A"

PARCEL "B"

PARCEL "C"

PARCEL "D"

N00°33'43"E
182.20'

25 FT REAR YARD &
VEHICULAR USE SETBACK

LIMIT 6" CONCRETE CURB, FULL DEPTH ASPHALT PAVEMENT

N89°26'17"W
11.87'

N00°33'43"E
170.64'

180

PARKING ROOM 1

S88°55'53"E
251.90'

S00°35'17"W
64.55'

PROPOSED CROSSING OVER TOWN DRAINAGE DITCH

S00°35'17"
808.04'

VACANT LOT
LOT AREA=
7.993 Acres ±

6" CONCRETE CURB
LANDSCAPED ISLAND
(TYP)

S21°15'39"W
150.50'

S89°26'17"E
80.43'

N00°33'43"E
48.00'

N00°33'43"E
26.78'

S89°26'17"E
55.55'

S89°26'17"E
2.00'

5 FT SIDEWALK
(TYP)

CROSSWALK
(TYP)

PARKING SPACE
(471 TOTAL TYP)

165

PARKING ROOM 2

20 FT FRONT YARD &
VEHICULAR USE SETBACK

N00°33'43"E
42.73'

N89°26'17"W
32.53'

N89°26'17"W
2.00'

N00°33'43"E
2.00'

ADA SIGN R7-8 & R7-8P (12 TYP)

RESTRIPING OF STALLS TO CREATE:
6 ADA STALLS (9'X19' TYP)
ACCESS AISLE (9'X19')

EXISTING TOWN DRAINAGE DITCH # 26A

EXISTING LOT LINE TO BE EXTINGUISHED AS PART OF LOT MERGER APPLICATION

N00°33'43"E
269.50'

25 FT REAR YARD SETBACK

RESTRIPING OF STALLS TO CREATE:
6 ADA STALLS (9'X19' TYP)
ACCESS AISLE (9'X19' TYP)

126

PARKING ROOM 3

S38°55'53"E
326.42'

±24.38'

N39°54'43"E
76.96'

76.96'

95.98'

INFILTRATION BASIN

55 FT VEHICULAR USE SETBACK

S38°55'53"E
276.35'

MILLERSPORT HIGHWAY
WIDTH VARIES
(PUBLIC R.O.W.)

25 FT REAR YARD &
VEHICULAR USE SETBACK

N89°24'43"W
183.42'

N89°24'43"W
219.84'

30 FT FRONT YARD SETBACK

25 FT VEHICULAR USE SETBACK

N51°05'27"W
219.07'

S38°24'33"W
194.17'

CROSSPOINT PARKWAY
70' WIDE
(LIBER DEEDS PAGE 1560)
(PUBLIC R.O.W.)

OWNER NOW OR FORMERLY
ECP LLC
S.B.L. NO. 28.00-1-58.121
(600 CROSSPOINT PKWY)

LEGEND

EXISTING		PROPOSED
	BOUNDARY	
	EASEMENT	
	CENTERLINE	
	CURB	
	SIDEWALK	
	CURB RAMPS	
	SIGN	
	PAVEMENT MARKINGS	
	CROSSWALK STRIPING	
	FIRE HYDRANT	
	CATCH BASIN	
H2O	WATER VAULT	
	TREES	
	STORM DRAIN	
OH	OVERHEAD UTILITY	
	UTILITY POLE	
	LIGHT POLE	
	DRAINAGE DITCH	
	TREE LINE	
	SETBACK LINE	

WM

0 25 50 100
SCALE: 1" = 50'

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STATE OF NEW YORK
KAREN ANN SEILER
LICENSED ARCHITECT
10282
PROFESSIONAL ENGINEER

10/23/2024
FOR AND ON BEHALF
OF WARE MALCOMB

MAJOR SITE PLAN APPLICATION
CROSSPOINT PARKING EXPANSION
3750 MILLERSPORT HIGHWAY
AMHERST, NY 14068

OVERALL SITE PLAN

NO.	DATE	REMARKS
01	10/23/2024	MAJOR SITE PLAN RESUBMISSION

JOB NO.:	NYC24-4006
PA / PM:	E. WILKES
DESIGNED:	K. SEILER
DATE:	09/19/24
PLOT DATE:	10/23/24

SHEET
C4.0
Sheet 05 of 22

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Attachment: SP-2019-13A_drawings_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

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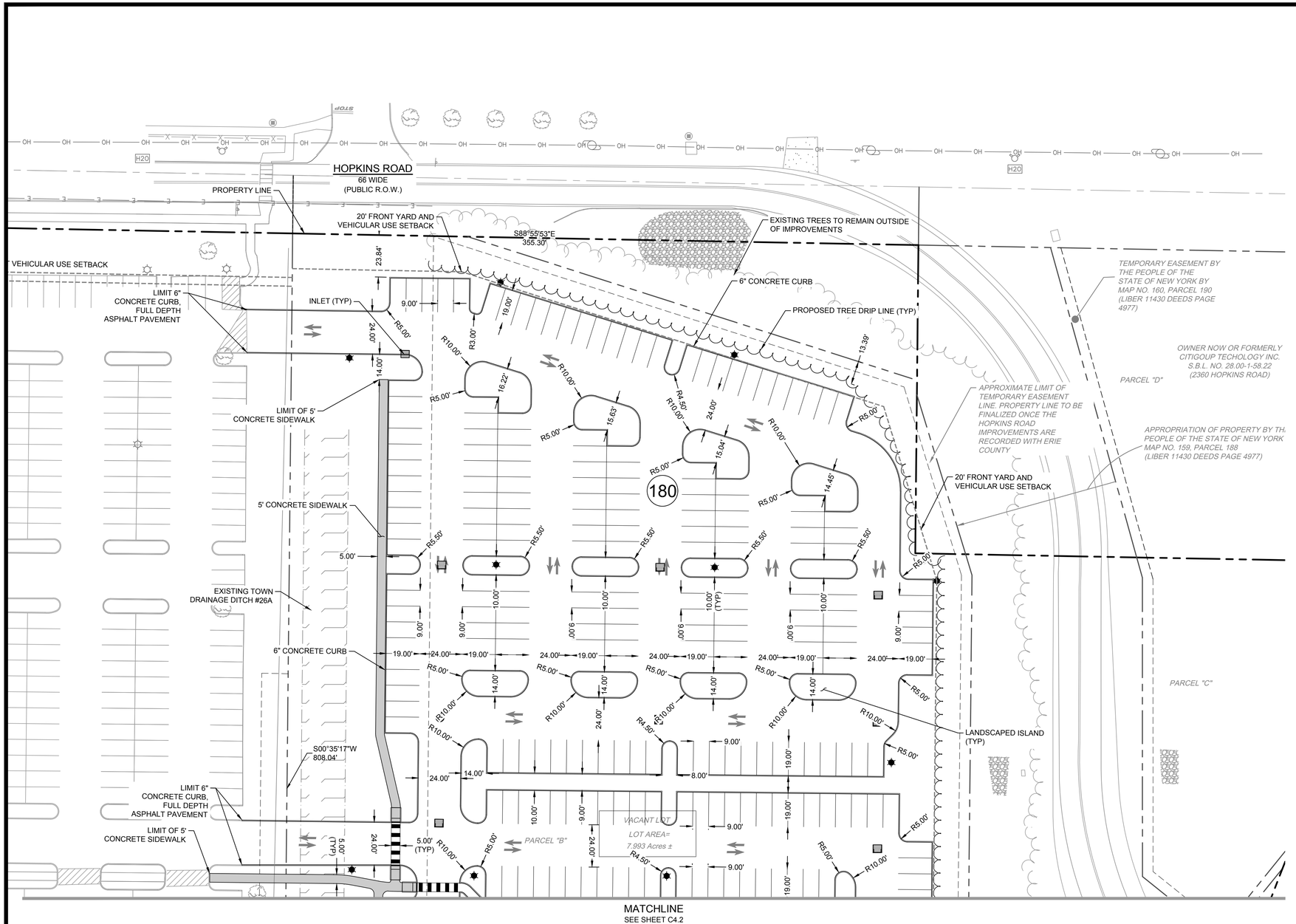
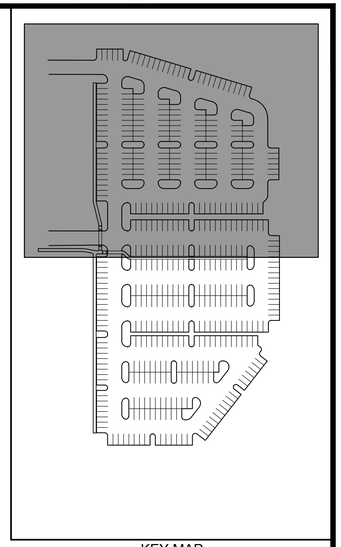
CAUTION: IF THIS SHEET IS NOT 24"x36" IT IS A REDUCED PRI





KEY MAP
SCALE: N.T.S.

LEGEND

EXISTING		PROPOSED
	BOUNDARY	
	EASEMENT	
	CENTERLINE	
	CURB	
	SIDEWALK	
	CURB RAMPS	
	SIGN	N/A
	PAVEMENT MARKINGS	N/A
	CROSSWALK STRIPING	N/A
	FIRE HYDRANT	N/A
	CATCH BASIN	
	WATER VAULT	N/A
	TREES	N/A
	OVERHEAD UTILITY	N/A
	UTILITY POLE	N/A
	LIGHT POLE	
	DRAINAGE DITCH	N/A
	TREE LINE	

WM

0 15 30 60
SCALE: 1" = 30'

RESERVED FOR TOWN OF AMHERST USE

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STATE OF NEW YORK
LICENSED PROFESSIONAL ENGINEER
10/23/2024
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MAJOR SITE PLAN APPLICATION
CROSSPOINT PARKING EXPANSION
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ENLARGED SITE PLAN

NO.	DATE	REMARKS
01	10/23/2024	MAJOR SITE PLAN RESUBMISSION

JOB NO.:	NYC24-4006
PA / PM:	E. WILKES
DESIGNED:	K. SEILER
DATE:	09/19/24
PLOT DATE:	10/23/24

SHEET
C4.1
Sheet 06 of 22

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Attachment: SP-2019-13A_drawings_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

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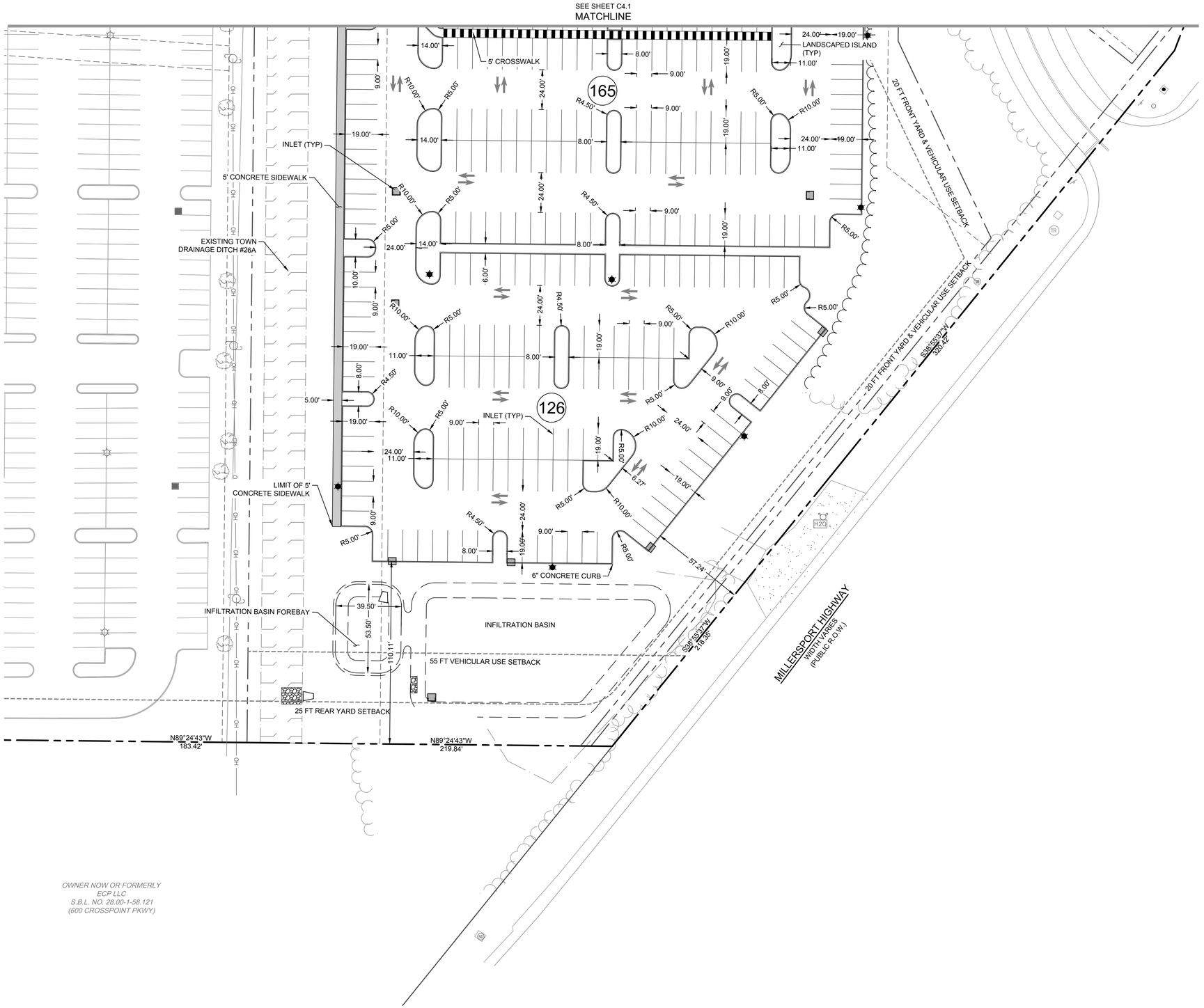

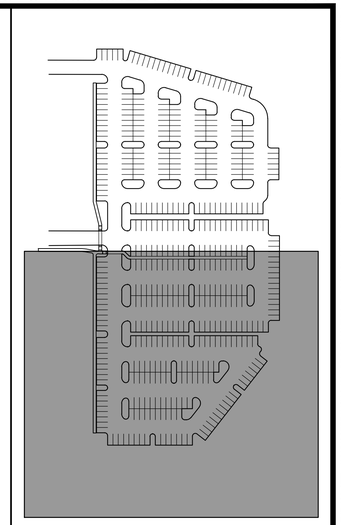

KEY MAP
SCALE: N.T.S.

LEGEND

EXISTING		PROPOSED
	BOUNDARY	
	EASEMENT	
	CENTERLINE	
	CURB	
	SIDEWALK	
	CURB RAMPS	
	SIGN	N/A
	PAVEMENT MARKINGS	N/A
	CROSSWALK STRIPING	N/A
	FIRE HYDRANT	N/A
	CATCH BASIN	
	WATER VAULT	N/A
	TREES	N/A
	OVERHEAD UTILITY	N/A
	UTILITY POLE	N/A
	LIGHT POLE	
	DRAINAGE DITCH	N/A
	TREE LINE	
	SETBACK LINE	

WM

0 15 30 60
SCALE: 1" = 30'

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ENLARGED SITE PLAN

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SHEET
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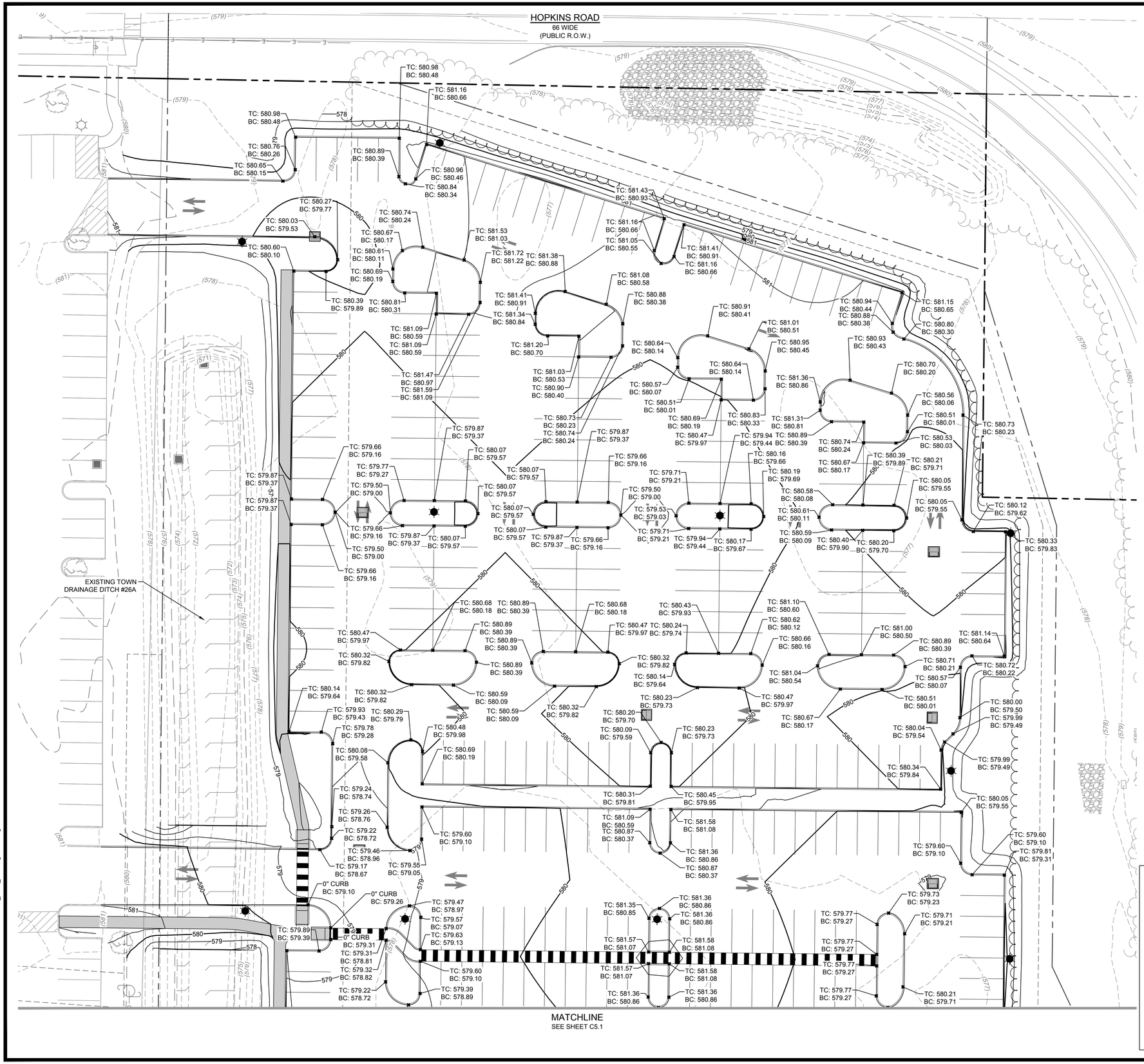
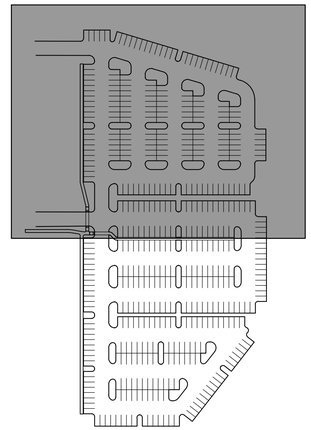
Attachment: SP-2019-13A_drawings_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)
Packet Pg. 534





KEY MAP
SCALE: N.T.S.

LEGEND

EXISTING		PROPOSED
	BOUNDARY	
	LOT LINE	
	EASEMENT	
	CURB / GUTTER	
	SIDEWALK	
(5280)	MAJOR CONTOUR	5280
(5278)	MINOR CONTOUR	5278
N/A	SPOT ELEVATION	XX.XX
N/A	TOP CURB	TC
N/A	BOTTOM CURB	BC
	STORM DRAIN	
	INLETS	
STM	STORM MANHOLE	STM
	TREE LINE	
	DRAINAGE DITCH	



SCALE: 1" = 20'

RESERVED FOR TOWN OF AMHERST USE

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STATE OF NEW YORK
LICENSED PROFESSIONAL ENGINEER
10282

10/23/2024
FOR AND ON BEHALF
OF WARE MALCOMB

MAJOR SITE PLAN APPLICATION
CROSSPOINT PARKING EXPANSION
3750 MILLERSPORT HIGHWAY
AMHERST, NY 14068

GRADING PLAN

NO.	DATE	REMARKS
01	10/23/2024	MAJOR SITE PLAN RESUBMISSION

JOB NO.:	NYC24-4006
PA / PM:	E. WILKES
DESIGNED:	K. SEILER
DATE:	09/19/24
PLOT DATE:	10/23/24

SHEET
C5.0
Sheet 08 of 22

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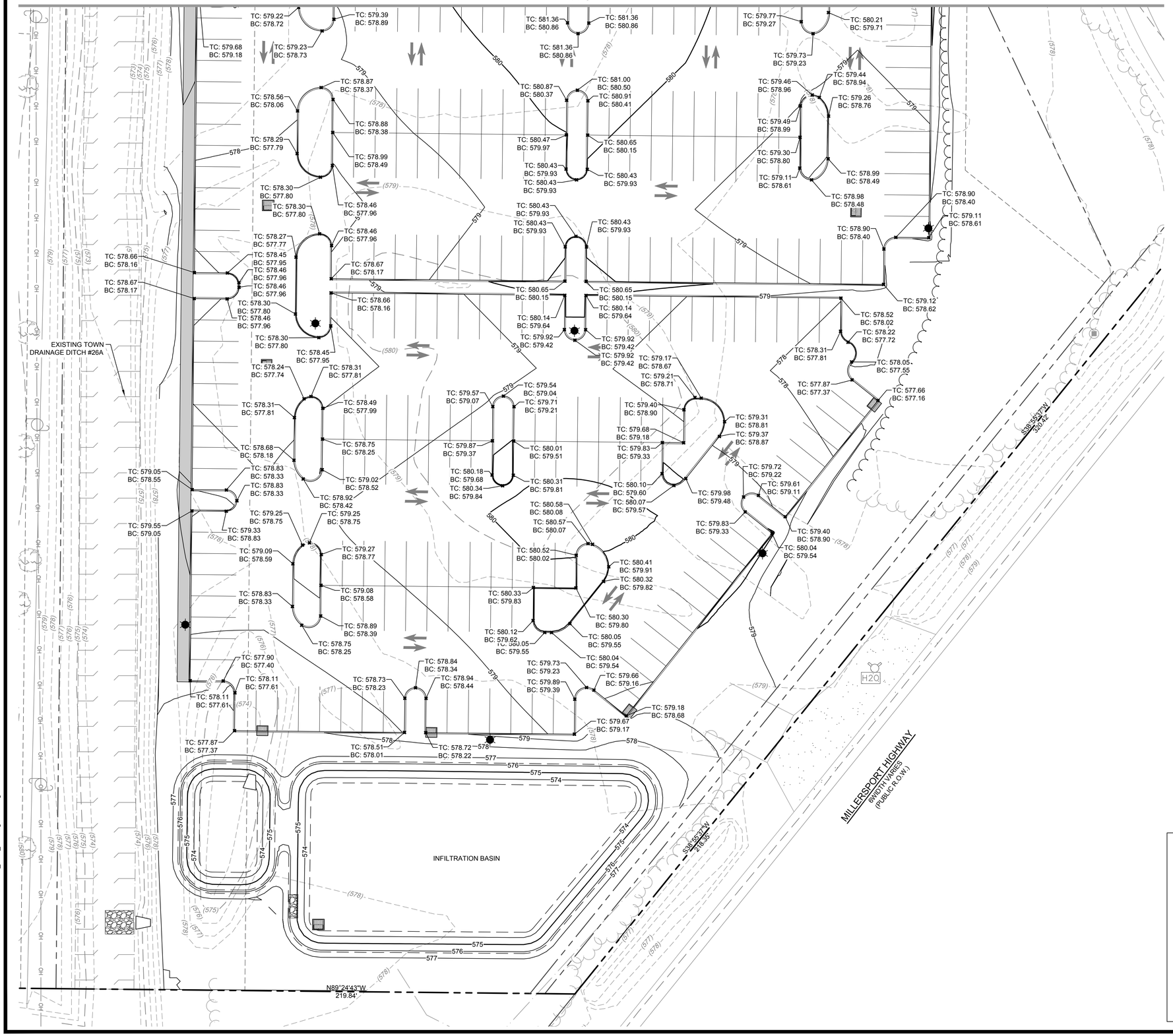

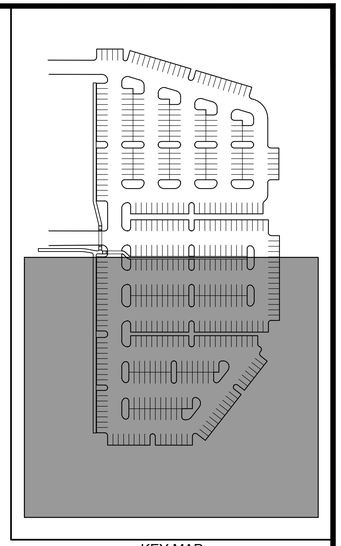

KEY MAP
SCALE: N.T.S.

LEGEND

EXISTING		PROPOSED
	BOUNDARY	
	LOT LINE	
	EASEMENT	
	CURB / GUTTER	
	SIDEWALK	
(5280)	MAJOR CONTOUR	5280
(5278)	MINOR CONTOUR	5278
N/A	SPOT ELEVATION	XX.XX
N/A	TOP CURB	TC
N/A	BOTTOM CURB	BC
	STORM DRAIN	
	INLETS	
SD	STORM MANHOLE	SD
	TREE LINE	
	DRAINAGE DITCH	

WM

0 10 20 40
SCALE: 1" = 20'

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new york, ny 10010
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STATE OF NEW YORK
LICENSED PROFESSIONAL ENGINEER
10/23/2024
FOR AND ON BEHALF OF WARE MALCOMB

MAJOR SITE PLAN APPLICATION
CROSSPOINT PARKING EXPANSION
3750 MILLERSPORT HIGHWAY
AMHERST, NY 14068

GRADING PLAN

NO.	DATE	REMARKS
01	10/23/2024	MAJOR SITE PLAN RESUBMISSION

JOB NO.:	NYC24-4006
PA / PM:	E. WILKES
DESIGNED:	K. SEILER
DATE:	09/19/24
PLOT DATE:	10/23/24

SHEET
C5.1
Sheet 09 of 22

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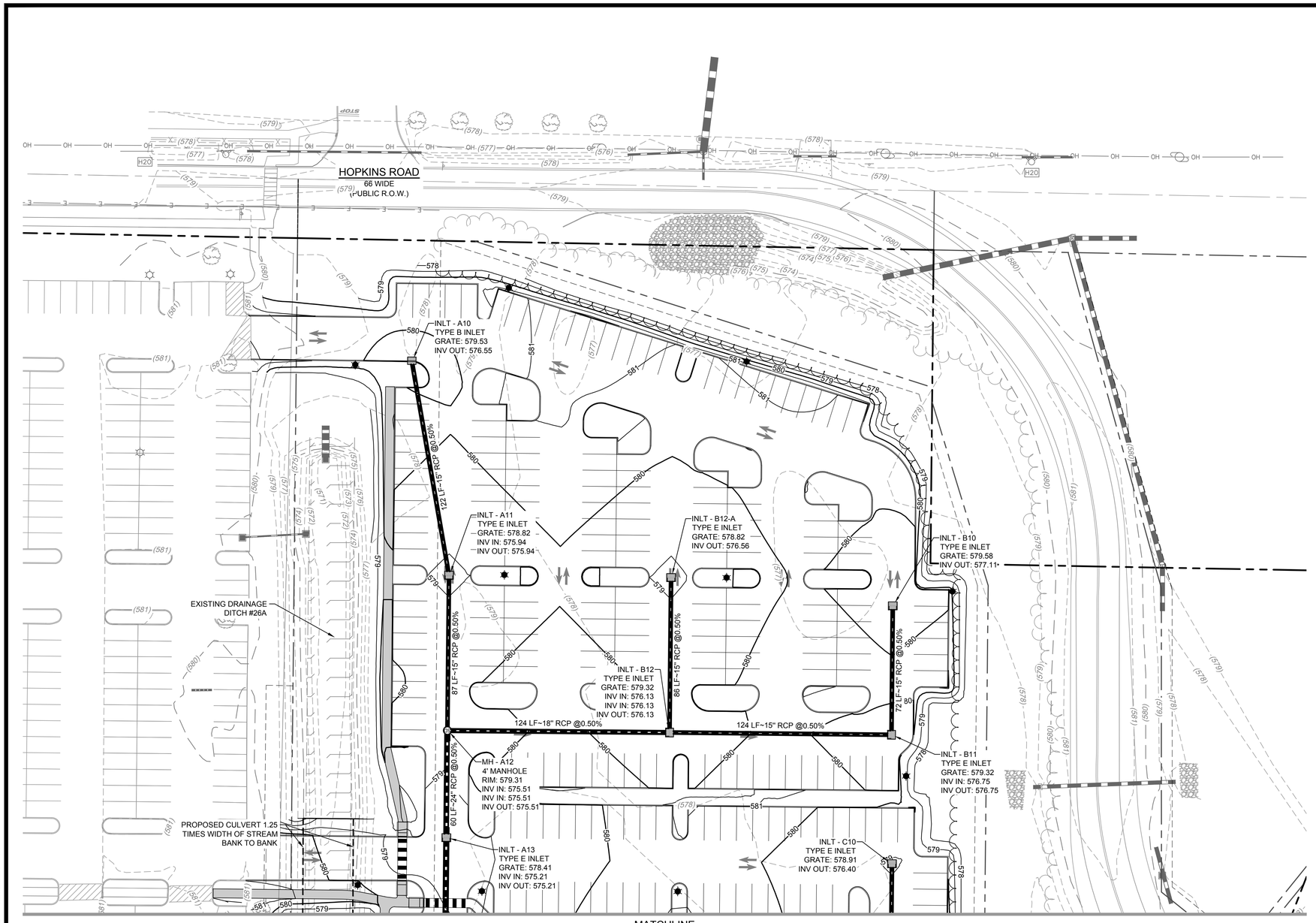
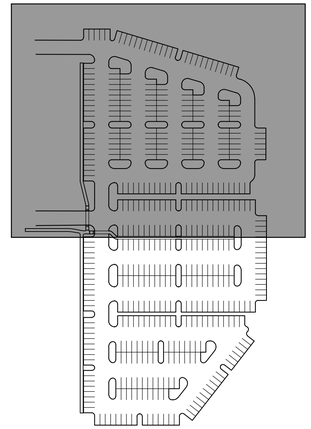
W:\NYC\24\4006\00\Civil\CAD\Sheets\CD\NYC24-4006_C5.0_Grading Plan.dwg 10/23/2024 KESEILER 1:1

Attachment: SP-2019-13A_drawings_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

CAUTION: IF THIS SHEET IS NOT 24"x36" IT IS A REDUCED PRI





KEY MAP
SCALE: N.T.S.

LEGEND

EXISTING		PROPOSED
	BOUNDARY	
	EASEMENT	
	CENTERLINE	
(5280)	MAJOR CONTOUR	5280
(5278)	MINOR CONTOUR	5278
	CURB / GUTTER	
	BUILDING	
	SIDEWALK	
	STORM DRAIN	
	DRAINAGE DITCH	

WM

0 15 30 60
SCALE: 1" = 30'

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10282
10/23/2024
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OF WARE MALCOMB

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DRAINAGE PLAN

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JOB NO.:	NYC24-4006
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DESIGNED:	K. SEILER
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PLOT DATE:	10/23/24

SHEET
C6.0
Sheet 10 of 22

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Attachment: SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

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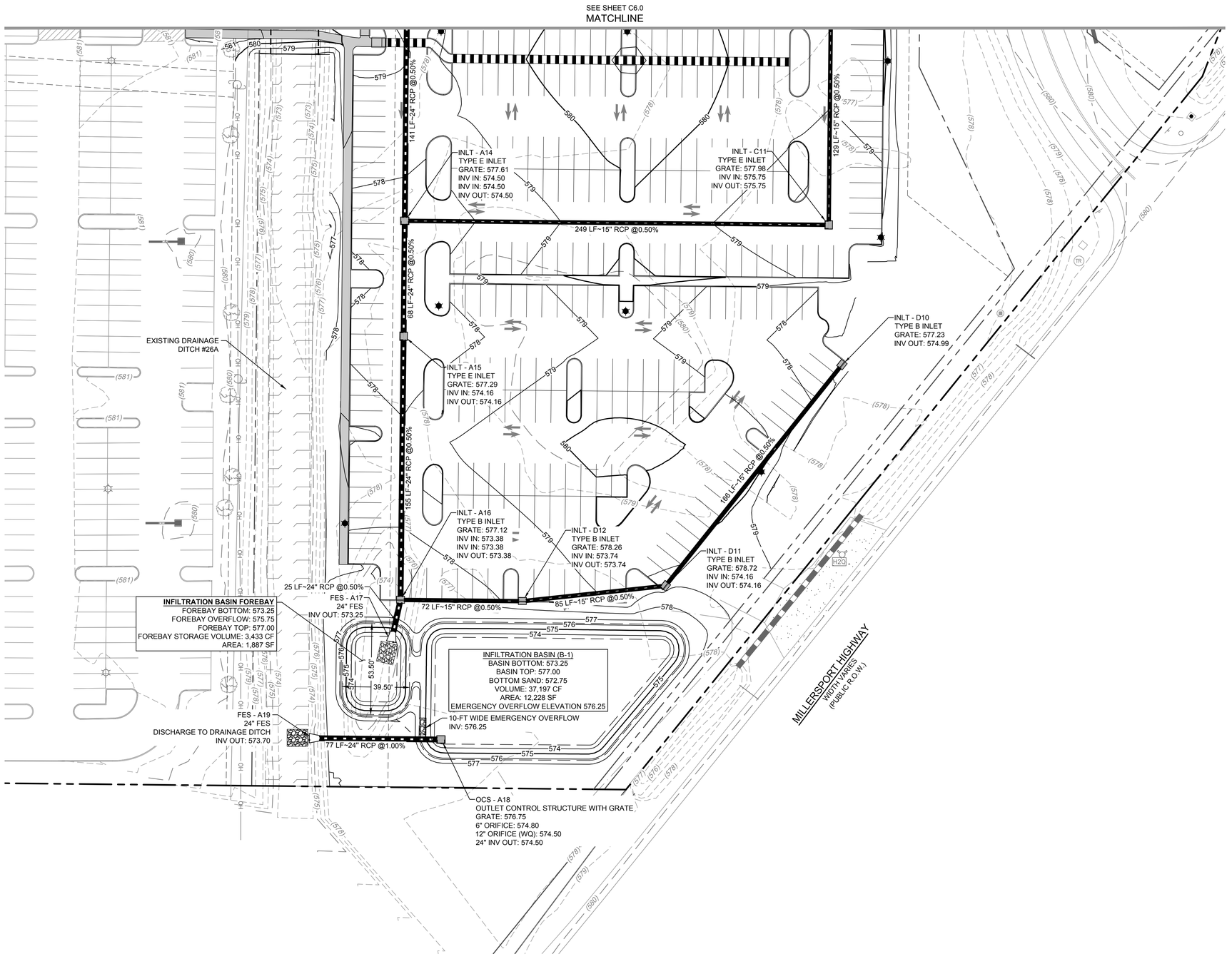

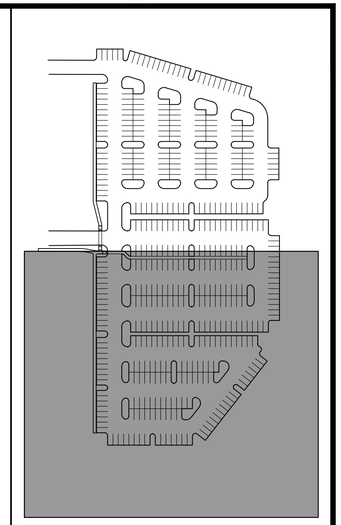

KEY MAP
SCALE: N.T.S.

LEGEND

EXISTING		PROPOSED
	BOUNDARY	
	EASEMENT	
	CENTERLINE	
(5280)	MAJOR CONTOUR	5280
(5278)	MINOR CONTOUR	5278
	CURB / GUTTER	
	BUILDING	
	SIDEWALK	
	STORM DRAIN	
	DRAINAGE DITCH	

WM

0 15 30 60

SCALE: 1" = 30'

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KRISTOPHER SEILER
LICENSED PROFESSIONAL ENGINEER
102827

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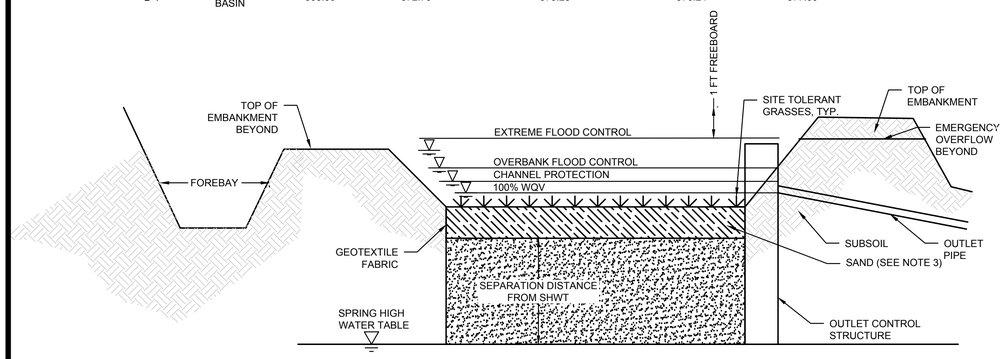
W:\NYC\24\4006\00\Civil\CAD\Sheets\CD\NYC24-4006_C6.0_Drainage Plan.dwg 10/23/2024 KESEILER 1:1

CAUTION: IF THIS SHEET IS NOT 24"x36" IT IS A REDUCED PRINT

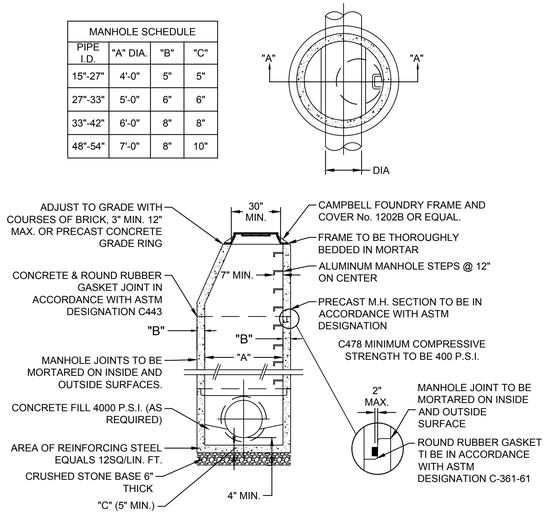
BASIN ID	BASIN TYPE	SHWT EL (NAVD88)	BOTTOM OF BASIN (NAVD88)	WATER QUALITY STORM ELEV (NAVD88)	100-YEAR STORM ELEV (NAVD88)	TOP OF BASIN ELEV (NAVD88)
B-1	INFILTRATION BASIN	< 568.00	572.75	573.25	576.24	577.00



1. MAXIMUM SIDE SLOPE RATIO FOR EARTHEN EMBANKMENTS IS 3:1
2. DURING CLEARING AND GRADING OF THE SITE, MEASURES MUST BE TAKEN TO ELIMINATE SOIL COMPACTION AT THE LOCATION OF THE PROPOSED INFILTRATION SYSTEM.
3. MINIMUM DEPTH OF SAND LAYER TO BE 6 INCHES. THE SAND MUST MEET ALL THE SPECIFICATIONS FOR CLEAN, MEDIUM-AGGREGATE CONCRETE SAND IN ACCORDANCE WITH AASHTO M-6 OR ASTM C-33, AS CERTIFIED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF NEW YORK. THE MAXIMUM PERCENTAGE OF FINES IS 15% AND THE MINIMUM TESTED PERMEABILITY RATE IS 20 INCHES/HOUR.

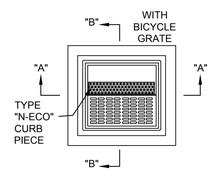
INFILTRATION BASIN
SCALE: N.T.S.

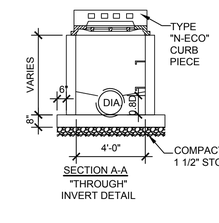
MANHOLE SCHEDULE			
PIPE I.D.	"A" DIA.	"B"	"C"
15"-27"	4'-0"	5"	5"
27"-33"	5'-0"	6"	6"
33"-42"	6'-0"	8"	8"
48"-54"	7'-0"	8"	10"



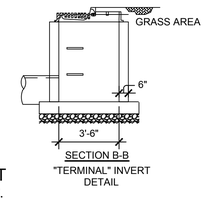
SECTION A-A

PRECAST STANDARD DRAINAGE MANHOLE
SCALE: N.T.S.





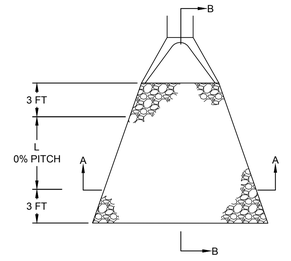
SECTION A-A
"THROUGH" INVERT DETAIL



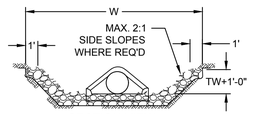
SECTION B-B
"TERMINAL" INVERT DETAIL

GENERAL NOTES
1. FOOTING TO BE 4500 PSI CONCRETE, CLASS "C".
2. INVERT TO BE 4500 PSI CONCRETE.
3. IF WALL CONSTRUCTION IS OTHER THAN CONCRETE, THE WALLS SHALL BE PLASTERED BOTH INSIDE AND OUTSIDE WITH 1/2" THICK CEMENT PLASTER.
4. FRAME AND GRATE TO BE No.3425 AS MANUFACTURED BY CAMPBELL FOUNDRY CO. OR APPROVED EQUAL.
5. PROVIDE ALUMINUM LADDER RUNGS @ 12" CENTER TO CENTER.
6. WHEN ADDITIONAL DEPTH IS REQUIRED WALLS BELOW THE DEPTH OF 8'-0" MEASURED FROM THE INLET GUTTER TO THE INVERT, SHALL BE 12" THICK. THE FOUNDATION DIMENSIONS SHALL BE INCREASED TO 12" WIDTHS AND TO 12" IN DEPTH.

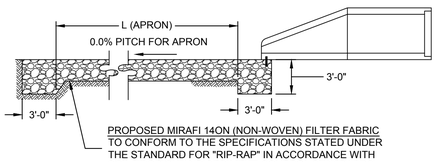
CURB INLET
SCALE: N.T.S.



PLAN



SECTION VIEW
SECTION A-A
(WHERE REQUIRED)



PROFILE VIEW
SECTION B-B

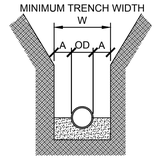
NOTES:
1. RIPRAP DESIGNED FOR 25-YR STORM.

SCOUR HOLE DESIGN TABLE (Adapted from design calculations)								
Description	Pipe Width (ft) W_o	Pipe Depth (ft) D_o	Pipe Discharge (cfs) Q	Tailwater (ft) T_w	Apron Length (ft) L	Apron Width (ft) W	Median Riprap Diameter (in) D_{50}	Apron Thickness (in) T_h
FES - A17	2.00	2.00	11.48	0.40	12 '	10 '	8 "	16 "

SCOUR HOLE DESIGN TABLE (Adapted from design calculations)								
Description	Pipe Width (ft) W_o	Pipe Depth (ft) D_o	Pipe Discharge (cfs) Q	Tailwater (ft) T_w	Apron Length (ft) L	Apron Width (ft) W	Median Riprap Diameter (in) D_{50}	Apron Thickness (in) T_h
FES - A19	2.00	2.00	3.47	0.40	12 '	10 '	4 "	8 "

PIPE DIAMETER "D"	MAXIMUM "A"
6" TO 15"	8"
16" TO 21"	10"
24" TO 30"	12"
33" TO 42"	15"
48" & LARGER	18"

NOTE:
1. MAXIMUM TRENCH WIDTH "W" TAKEN AT TOP OF PIPE.



NOTE:
1. ALL TRENCH EXCAVATIONS ARE TO BE DONE IN COMPLIANCE WITH OSHA REGULATIONS.
2. MINIMUM TRENCH WIDTHS TO BE IN ACCORDANCE WITH THE CHART ABOVE.
3. IF SOFT SOIL IS ENCOUNTERED AT BEDDING SUBGRADE, THE SOFT SOIL IS TO BE REMOVED (TO A MAXIMUM DEPTH OF 2 FT) AND REPLACED WITH 3/4" CLEAN CRUSHED STONE.
4. TRENCH BACKFILL SHALL BE PREDOMINANTLY GRANULAR FILL MATERIAL AS APPROVED BY THE PROJECT ENGINEER, MATERIAL EXCAVATED FROM THE TRENCH MAY BE USED FOR BACKFILL PROVIDED IT IS PREDOMINATELY SAND AND IS AT WATER CONTENT THAT THE MATERIAL CAN BE READILY COMPACTED TO THE DENSITY REQUIRED.
5. WITHIN PUBLIC RIGHT OF WAY BENEATH PAVEMENT, THE BACKFILL MATERIAL SHALL NO. 67 OR 3/4" STONE, UNLESS AUTHORITY HAVING JURISDICTION REQUIRES OTHERWISE.
6. MAGNETIC UNDERGROUND MARKING TAPE TO BE PROVIDED FOR PLASTIC WATER, AND SANITARY FORCE MAINS. BURY 18" FROM FINISHED GRADE.
7. IN AREAS WHERE THERE IS NOT SUFFICIENT WIDTH FOR A DOUBLE DRUM WALK BEHIND VIBRATORY COMPACTOR THE LIFT THICKNESS SHALL BE DECREASED AS NECESSARY TO ACHIEVE COMPACTION WITH APPROPRIATE EQUIPMENT.
8. MAXIMUM PARTICLE SIZE FOR TRENCH BACKFILL SHALL BE 4 INCHES UNLESS APPROVED OTHERWISE BY PROJECT ENGINEER.
9. BACKFILL CONTAIN NO DELETERIOUS OR CONTAMINATED MATERIAL.

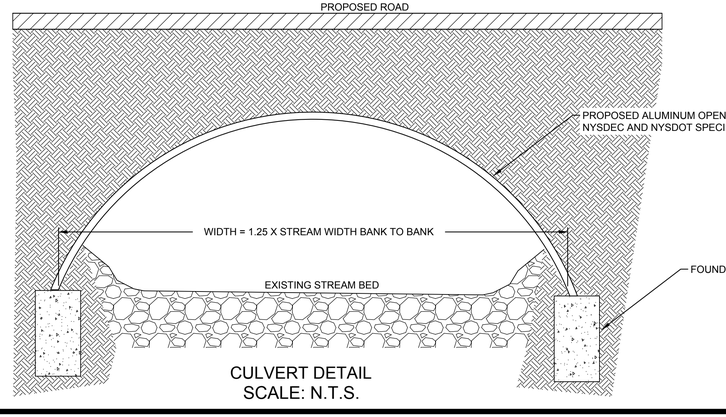
PIPE TRENCH DETAIL FOR SANITARY, WATER, AND STORM SEWER PIPE
SCALE: N.T.S.

SECTION A-A

SECTION B-B

OUTLET CONTROL STRUCTURE
SCALE: N.T.S.

GENERAL NOTES:
1. ALL ANCHOR BOLTS, NUTS AND WASHERS TO BE GALVANIZED.
2. FRAME AND GRATE TO BE FABRICATED ALUMINUM GRATE.
3. ORIFICE TRASH RACK FRAME TO BE HINGED. SEE THIS SHEET FOR DETAIL OF TRASH RACK LOCATED ON TOP OF STRUCTURE.
4. PROVIDE SHOP DRAWINGS FOR STRUCTURES AND APPURTENANCES.
5. ALUMINUM GRATE TO BE SECURED TO CONCRETE STRUCTURE AND BE REMOVABLE USING STAINLESS STEEL HARDWARE.



CULVERT DETAIL
SCALE: N.T.S.

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DRAINAGE DETAILS

NO.	DATE	REMARKS
01	10/23/2024	MAJOR SITE PLAN RESUBMISSION

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DESIGNED:	K. SEILER
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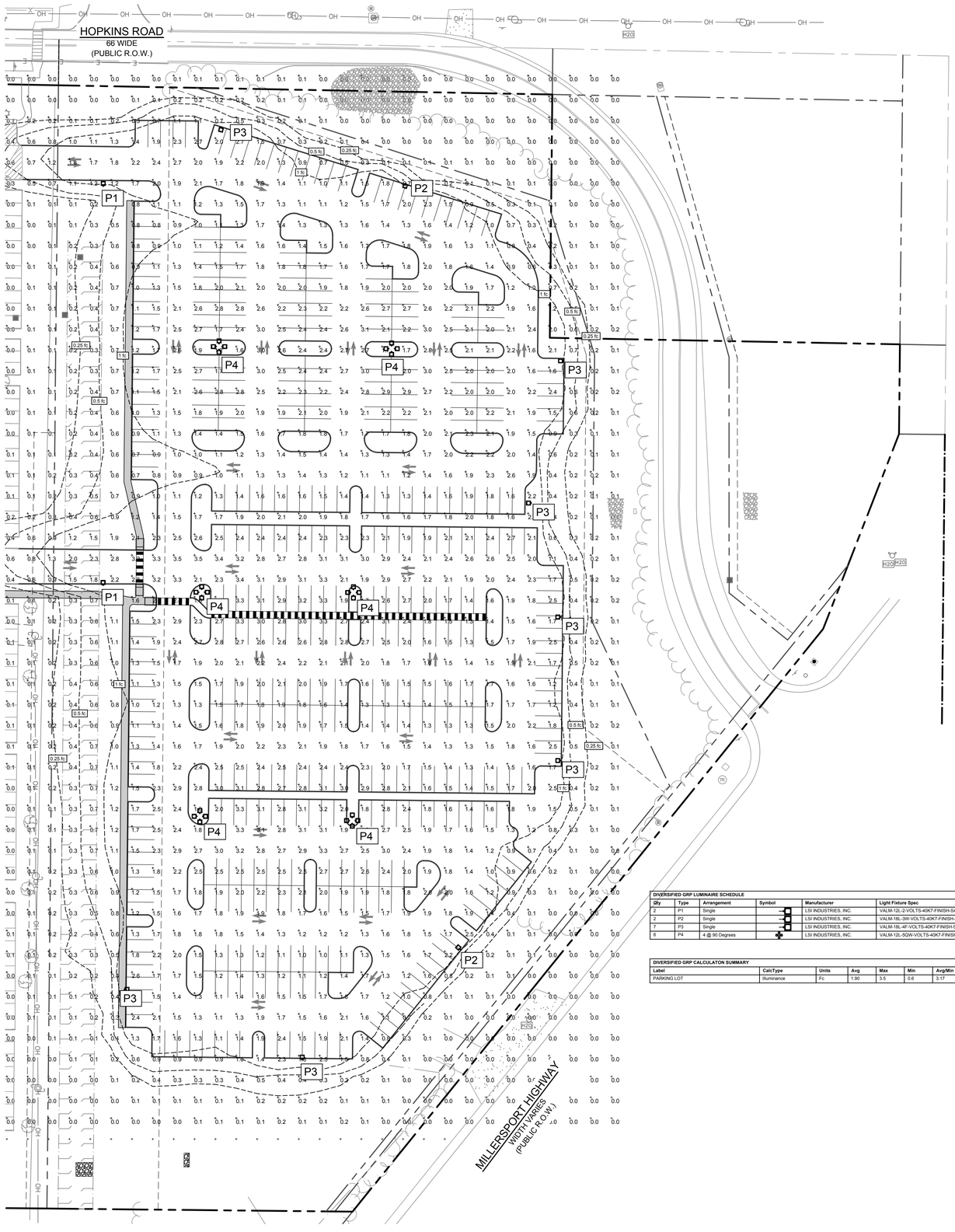

DIVERSIFIED GRP LUMINAIRE SCHEDULE												
Qty	Type	Arrangement	Symbol	Manufacturer	Light Fixture Spec	CCT	Lum. Lumens	LLF	Lum. Watts	Arr. Watts	Pole/Bracket Spec	Mounting AFG (FT)
2	P1	Single		LSI INDUSTRIES, INC.	VALM-12L-2-VOLTS-40K7-FINISH-SA-ALBMR2LR-MS8-IS	4000K	8441	0.900	71	71	4SGB3-S11G-25'-S-FINISH-GA	25
2	P2	Single		LSI INDUSTRIES, INC.	VALM-18L-3W-VOLTS-40K7-FINISH-SA-ALBMR2LR-MS8-IS	4000K	12785	0.900	104	104	4SGB3-S11G-25'-S-FINISH-GA	25
7	P3	Single		LSI INDUSTRIES, INC.	VALM-18L-4F-VOLTS-40K7-FINISH-SA-ALBMR2LR-MS8	4000K	16055	0.900	104	104	4SGB3-S11G-25'-S-FINISH-GA	25
6	P4	4 @ 90 Degrees		LSI INDUSTRIES, INC.	VALM-12L-SQW-VOLTS-40K7-FINISH-SA-ALBMR2LR-MS8-IS	4000K	11952	0.900	71	284	4SGB3-S11G-25'-Q90-FINISH-GA	25

DIVERSIFIED GRP CALCULATON SUMMARY							
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
PARKING LOT	Illuminance	Fc	1.90	3.5	0.6	3.17	5.83

DIVERSIFIED GROUP
55 LANE ROAD
FAIRFIELD, NJ 07004
LIGHTING DESIGNER: MATTHEW STERNER
PHONE: (908) 907-8462
EMAIL: MSTERNER@DIVGRP.COM

SITE LIGHTING CONTROLS SEQUENCE OF OPERATION IN COMPLIANCE WITH ASHRAE 90.1-2019

- EACH SITE FIXTURE TO BE EQUIPPED WITH LSI'S AIRLINK BLUE, WHICH IS A WIRELESS BLUETOOTH MESH CONTROL SYSTEM.
- CONTROL SYSTEM IS TO BE ACCESSIBLE VIA iOS APP FOR PROGRAMMING.
- EACH SITE FIXTURE TO HAVE AN INTEGRAL MOTION AND PHOTO SENSOR MODULE TO PROVIDE MULTI-LEVEL CONTROL BASED ON MOTION AND/OR DAYLIGHT.
- LIGHTING CONTROL SYSTEM WILL ALSO INCORPORATE THE AIRLINK BLUE TIME KEEPER 120 VOLT (ALBTK-120). THIS ADDS THE ABILITY TO SCHEDULE MULIPLE EVENTS BASED ON TIME OF DAY OR ASTRONOMICAL CLOCK.
- ALL SITE LIGHTS TO TURN ON AT DUSK AND OFF AT DAWN.
- LIGHTS TO REMAIN FULL BRIGHTNESS UNIT 12 A.M., AT WHICH TIME THE LIGHTS WILL DIM TO 50% OUTPUT UNTIL DAWN.
- ANY MOTION DETECTED ON SITE AFTER 12 A.M. WILL KICK THE POWER UP TO 100% BRIGHTNESS. AFTER A DURATION OF 15 MINUTES WITH NO MOTION DETECTION, THE LIGHTS WILL RESUME BACK TO THE DIMMED 50% STATE.
- MULTIPLE LIGHT FIXTURES TO BE GROUPED TOGETHER INTO ZONES BASED ON AREA AND TRAFFIC PATTERNS. MOTION DETECTION WILL ACTIVATE THE ENTIRE ZONE.

0 20 40 80

SCALE: 1" = 40'

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V-Locity Medium (VALM) Outdoor LED Area Light

Type : _____

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ORDERING GUIDE

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TYPICAL ORDER EXAMPLE: **VALM 42L 4W UNV 40K3 BLK SA ALBM02 IS**

Prefix	Lumen Package	Distribution	Orientation[2]	Voltage	Color Temp /Rendering	Finish
VALM - V-Locity Area Light Medium	**12L** - 12,000 lms, 77W **18L** - 18,000 lms, 104W **24L** - 24,000 lms, 141W **30L** - 30,000 lms, 180W **36L** - 36,000 lms, 225W **42L** - 42,000 lms, 262W **48L** - 48,000 lms, 307W **54L** - 54,000 lms, 352W Custom Lumen Packages[1]	**2** - Type 2 **3M** - Type 3 Medium **3W** - Type 3 Wide **4M** - Type 4 Medium **4F** - Type 4 Forward **4W** - Type 4 Wide **FTM** - Forward Throw Medium **5GN** - Type 5 Square Narrow **5GM** - Type 5 Square Medium **5Q** - Type 5 Square **5GW** - Type 5 Square Wide **AM** - Automotive Merchandise **WF** - 6x6 Wide Flood **LC** - Left Corner **RC** - Right Corner	**(Blank)** - Standard **L** - Optics rotated left 90° **R** - Optics rotated right 90°	**UNV** - Universal Voltage (120-277V) **HV** - High Voltage (347-480V)	**50K7** - 5000 CCT - 70 CRI **50K8** - 5000 CCT - 80 CRI **40K7** - 4000 CCT - 70 CRI **40K8** - 4000 CCT - 80 CRI **35K8** - 3500 CCT - 80 CRI **30K8** - 3000 CCT - 80 CRI **27K8** - 2700 CCT - 80 CRI **AMB** - Phosphor Converted Amber	**BLK** - Black **BRZ** - Dark Bronze **GMG** - Gun Metal Gray **GPT** - Graphite **MSV** - Metallic Silver **PLP** - Platinum Plus **SVG** - Satin Verde Green **WHT** - White

Mounting	Controls (Choose One)	Options
SA - Universal Side Arm Pole Mount **SF** - Adjustable Slip Fitter **UA** - Universal Adjustable Pole Mount Arm **MA** - Mast Arm	**(Blank)** - None **Wireless Controls System** **ALSC** - AirLink Synapse Control System **ALSC2** - AirLink Synapse Control System with 12-20' MH Motion Sensor **ALSC4** - AirLink Synapse Control System with 20-40' MH Motion Sensor **ALBM01LR** - AirLink Blue Long Range Wireless Multi-Range Sensor Controller (8-15' MH)* **ALBM02LR** - AirLink Blue Long Range Wireless Multi-Range Sensor Controller (15-40' MH)* **Stand-Alone Controls** **EXT** - 0-10V Dimming leads extended to housing exterior **CXTP** - 7 Pin Control Receptacle ANSI C136.41 [3] **PCBT1** - Integral Bluetooth® Motion and Photocell Sensor (8-24' MH)* **PCBT2** - Integral Bluetooth® Motion and Photocell Sensor (25-40' MH)* **PCB** - 120-277 Button Photocell **PCD67** - 347V Button Photocell	**IS** - Integral Shield* **TE** - Tooless Entry (Must Arm Only)

Need more information? Click here for our glossary

Have additional questions? Call us at (800) 436-7800

Accessory Ordering Information[5]

CONTROLS ACCESSORIES	
Description	**Order Number**
Twist Lock Photocell (120V) for use with CXTP	122514
Twist Lock Photocell (208-277) for use with CXTP	122515
Twist Lock Photocell (347V) for use with CXTP	122516
Twist Lock Photocell (480V) for use with CXTP	1225380
Airlink 5 Pin Twist Lock Controller	661409
Airlink 7 Pin Twist Lock Controller	661410
Shorting Cap for use with CXTP	149528

FUSING OPTIONS[7]	
Description	**Order Number**
Single Fusing (120V)	See Fusing Accessory Guide
Single Fusing (277V)	
Double Fusing (208V, 240V)	
Double Fusing (480V)	
Double Fusing (347V)	

EXTERNAL SHIELDING OPTIONS	
Description	**Order Number**
1.5" External Shield	See Shielding Guide
3" External Shield	

1. Custom lumen and wattage packages available, consult factory. Values are within industry standard tolerances but not DLC listed.
2. Not available on Type 5 or wide flood distributions.
3. Control device or shorting cap must be ordered separately. See Accessory Ordering Information.
4. Motion sensors are field configurable via the CSI app that can be downloaded from your smartphone's native app store.
5. Accessories are shipped separately and field installed.
6. "CSX" denotes finish. See Finish options.
7. Fusing must be located in hand hole of pole. See Fusing Accessory Guide for compatibility.

AREA LIGHT P-1 SPECIFICATION
SCALE: N.T.S.

V-Locity Medium (VALM) Outdoor LED Area Light

Type : _____

Have questions? Call us at (800) 436-7800

ORDERING GUIDE

Back to Quick Links

TYPICAL ORDER EXAMPLE: VALM 42L 4W UNV 40K3 BLK SA ALBM02 IS

Prefix	Lumen Package	Distribution	Orientation[2]	Voltage	Color Temp /Rendering	Finish
VALM - V-Locity Area Light Medium	12L - 12,000 lms, 77W 18L - 18,000 lms, 104W 24L - 24,000 lms, 141W 30L - 30,000 lms, 180W 36L - 36,000 lms, 225W 42L - 42,000 lms, 262W 48L - 48,000 lms, 307W 54L - 54,000 lms, 352W Custom Lumen Packages[1]	2 - Type 2 3M - Type 3 Medium 3W - Type 3 Wide 4M - Type 4 Medium 4F - Type 4 Forward 4W - Type 4 Wide FTM - Forward Throw Medium 5GN - Type 5 Square Narrow 5GM - Type 5 Square Medium 5Q - Type 5 Square 5GW - Type 5 Square Wide AM - Automotive Merchandise WF - 6x6 Wide Flood LC - Left Corner RC - Right Corner	(Blank) - Standard L - Optics rotated left 90° R - Optics rotated right 90°	UNV - Universal Voltage (120-277V) HV - High Voltage (347-480V)	50K7 - 5000 CCT - 70 CRI 50K8 - 5000 CCT - 80 CRI 40K7 - 4000 CCT - 70 CRI 40K8 - 4000 CCT - 80 CRI 35K8 - 3500 CCT - 80 CRI 30K8 - 3000 CCT - 80 CRI 27K8 - 2700 CCT - 80 CRI AMB - Phosphor Converted Amber	BLK - Black BRZ - Dark Bronze GMG - Gun Metal Gray GPT - Graphite MSV - Metallic Silver PLP - Platinum Plus SVG - Satin Verde Green WHT - White

Mounting	Controls (Choose One)	Options
SA - Universal Side Arm Pole Mount SF - Adjustable Slip Fitter UA - Universal Adjustable Pole Mount Arm MA - Mast Arm	(Blank) - None Wireless Controls System ALSC - AirLink Synapse Control System ALSC2 - AirLink Synapse Control System with 12-20' MH Motion Sensor ALSC4 - AirLink Synapse Control System with 20-40' MH Motion Sensor ALBM01LR - AirLink Blue Long Range Wireless Multi-Range Sensor Controller (8-15' MH)* ALBM02LR - AirLink Blue Long Range Wireless Multi-Range Sensor Controller (15-40' MH)* Stand-Alone Controls EXT - 0-10V Dimming leads extended to housing exterior CXTP - 7 Pin Control Receptacle ANSI C136.41 [3] PCBT1 - Integral Bluetooth® Motion and Photocell Sensor (8-24' MH)* PCBT2 - Integral Bluetooth® Motion and Photocell Sensor (25-40' MH)* PCB - 120-277 Button Photocell PCD67 - 347V Button Photocell	IS - Integral Shield* TE - Tooless Entry (Must Arm Only)

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Accessory Ordering Information[5]

CONTROLS ACCESSORIES	
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Airlink 5 Pin Twist Lock Controller	661409
Airlink 7 Pin Twist Lock Controller	661410
Shorting Cap for use with CXTP	149528

FUSING OPTIONS[7]	
Description	Order Number
Single Fusing (120V)	See Fusing Accessory Guide
Single Fusing (277V)	
Double Fusing (208V, 240V)	
Double Fusing (480V)	
Double Fusing (347V)	

EXTERNAL SHIELDING OPTIONS	
Description	Order Number
1.5" External Shield	See Shielding Guide
3" External Shield	

1. Custom lumen and wattage packages available, consult factory. Values are within industry standard tolerances but not DLC listed.
2. Not available on Type 5 or wide flood distributions.
3. Control device or shorting cap must be ordered separately. See Accessory Ordering Information.
4. Motion sensors are field configurable via the CSI app that can be downloaded from your smartphone's native app store.
5. Accessories are shipped separately and field installed.
6. "CSX" denotes finish. See Finish options.
7. Fusing must be located in hand hole of pole. See Fusing Accessory Guide for compatibility.

LSI Industries Inc. 10000 Alliance Rd. Cincinnati, OH 45242 • (513) 372-3200 • www.lsicorp.com
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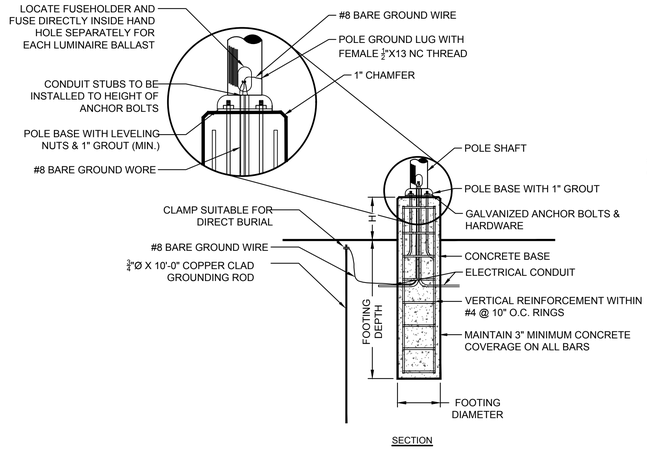
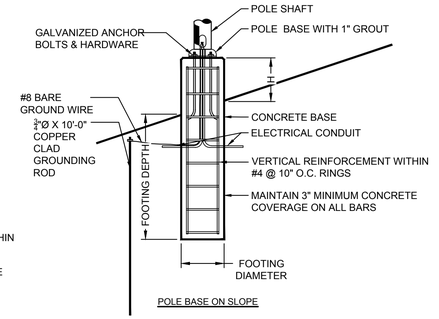
Page 2/7 Rev. 08/15/24
SPEC:TI52.A.0324

AREA LIGHT P-2 SPECIFICATION
SCALE: N.T.S.

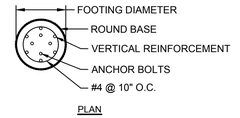


SECTION

MOUNTING HEIGHT	FOOTING DEPTH	FOOTING DIAMETER	VERTICAL REINFORCEMENT	'H'
25'-0"	5'-6"	2'-0"	6 #5 BARS	3'-0" EXPOSED CONCRETE BASE



POLE BASE ON SLOPE



PLAN

NOTES:

1. SHAFT CAP, ARMS, BASE FLANGE, ANCHOR BOLTS, LEVELING NUTS, CONNECTION HARDWARE, BOLT COVERS, HANDHOLE COVER, AND BOLT CIRCLE TEMPLATE SHALL BE FURNISHED BY POLE MANUFACTURER.
2. EACH STANDARD TO BE PROTECTED AGAINST LIGHTNING WITH AN INTERCONNECTED GROUND ROD. THIS ROD SHALL BE BONDED PER SECTION NUMBER 250-86, N.E.C.
3. CONTRACTOR TO ENSURE CONCRETE POLE BASES ARE POURED / PLACED ABSOLUTELY VERTICAL & LEVEL.
4. POLE BASE SHALL BE ONE CONTINUOUS POUR. EXPOSED PORTION OF BASE SHALL BE HAND-RUBBED SMOOTH.
5. CONTRACTOR TO COMPACT SUBGRADE AROUND POLE BASE PER EARTHWORK SPECIFICATIONS / GEOTECH REPORT.
6. THE INFORMATION ILLUSTRATED IN THE LIGHT POLE FOUNDATION DETAIL HAS BEEN PROVIDED FOR GENERAL REFERENCE AND PRELIMINARY COST ESTIMATE PURPOSES. LIGHT POLE FOUNDATIONS SHOULD BE DESIGNED AND DETAILED BY A LICENSED STRUCTURAL ENGINEER BASED ON EXISTING SOIL CONDITIONS, LOCAL DESIGN STANDARDS AND MANUFACTURERS RECOMMENDATIONS.

LIGHT POLE BASE
SCALE: N.T.S.

Steel Poles Square Straight

Type : _____

Have questions? Call us at (800) 436-7800

ORDERING GUIDE

Back to Quick Links

TYPICAL ORDER EXAMPLE: **4SQ B3 S11G 24 S PLP DGP**

Pole Series	Mounting Method	Material	Height[1]	Mounting Configuration	Pole Finish	Options
4SQ - 4" x 4" Square Straight Pole (New Build) **5SQ** - 5" x 5" Square Straight Pole (New Build) **6SQ** - 6" x 6" Square Straight Pole (New Build) **4SQH** - 4" x 4" Square Straight Pole (Retrofit) **5SQH** - 5" x 5" Square Straight Pole (Retrofit) **6SQH** - 6" x 6" Square Straight Pole (Retrofit)	**Bolt-On Mount[2]** - See pole selection guide for patterns and fixture matches **B3** - 3" Bedspacer Pattern **B2** - 2" Low Profile Drilling Pattern **B2R** - Raised 2" Reduce Drilling Pattern **(LALA ONLY)** **T** - Tenon Mount - See pole selection guide for tenon and fixture/bracket matches **X** - No Mounting Holes[3]	**S11G** - 11 Ga. Steel (4SQ/4SQH and 5SQ/5SQH Only) **SG76** - 07 Ga. Steel	8' 10' 12' 13' 14' 15' 16' 17' 17'6" 18' 20' 22' 22'6" 23' 24' 25' 26' 27' 28' 30' 32' 35' 39'	**S** - Single (Parallel) **D180** - Double **D90** - Double **D090** - Double **T90** - Triple **TR120** - Triple **Q90** - Quad **QR90** - Quad **N** - Tenon Mount, (Standard Tenon size is 2-7/8" O.D.)? [4] **(Blank)** - Use with ! for Mounting Method	**BRZ** - Bronze **BLK** - Black **PLP** - Platinum Plus **WHT** - White **SVG** - Satin Verde Green **GPT** - Graphite **MSV** - Metallic Silver **BZA** - Alternate Bronze **GMG** - Gun Metal Gray	**GA** - Galvanized Anchor Bolts **SF** - Single Fixed **DF** - Double Fixed **DGP** - DuraGrip® Plus **LAB** - Less Anchor Bolts **CDCE** - Conduit Raceway*

FOR P4 FIXTURE

Need more information? Click here for our glossary

Have additional questions? Call us at (800) 436-7800

ACCESSORY ORDERING INFORMATION

Part Number	Description
122509CLR	4BC - 4" Square Base Cover
122561CLR	5BC - 5" Square Base Cover
122747CLR	6BC - 6" Square Base Cover
1324808CLR	5BC - 5" Square Universal Base Cover
1312525CLR	6BC - 6" Square Universal Base Cover
122566CLR	E92 – Weatherproof Duplex Receptacle
122567CLR	GFI – Ground Fault Circuit Interrupter
152356	M45 - mounting Hole Plugs for use with 5" traditional drill pattern (5 set of 5 plugs)
601126	M45 - mounting Hole Plugs for use with 5" reduced drill pattern (5 set of 5 plugs)
725841	M42 - Mounting Hole Plugs for use with 2" reduced drill pattern (5 sets of 5 plugs)
172559	Vibration Damper - 4" Square Pole (bolt-on mount only)
172558	Vibration Damper - 5" Square Pole (bolt-on mount only)
170361	Vibration Damper - 6" Square Pole (bolt-on mount only)

ANCHOR BOLT KIT ORDERING INFORMATION

Part Number	Description
AB KIT 122584	4SQ S11G/SG76 Anchor Bolts (Steel Plated)
AB KIT 122609	4SQ S11G/SG76 Anchor Bolts (Galvanized)
AB KIT 122580	5SQ S11G Anchor Bolts (Steel Plated)
AB KIT 122620	5SQ S11G Anchor Bolts (Galvanized)
AB KIT 122586	5SQ SG76 Anchor Bolts (Steel Plated)
AB KIT 122611	5SQ SG76 Anchor Bolts (Galvanized)
AB KIT 122612	6SQ SG76 Anchor Bolts (Galvanized)

1 - See Area Light Brackets - 2" Reduced Drill Pattern and Area Light Brackets - 3" Traditional Drill Pattern Spec Sheets.
2 - Pole heights will have +/- 1/2" tolerance.
3 - See Flood Lighting Brackets section for choice of FBO brackets.
4 - Or selection must indicate required height and side of pole mounting location. Mounting template required at time of order.

LIGHT POLE SPECIFICATION
SCALE: N.T.S.

WARE MALCOMB
LEADING DESIGN FOR COMMERCIAL REAL ESTATE
45 w 21st street
6th floor
new york, ny 10010
p. 646.680.7000
warenalcomb.com

STATE OF NEW YORK — LICENSED ARCHITECT — 10282 — PROFESSIONAL ENGINEER

10/23/2024
FOR AND ON BEHALF OF WARE MALCOMB

MAJOR SITE PLAN APPLICATION
CROSSPOINT PARKING EXPANSION
3750 MILLERSPORT HIGHWAY
AMHERST, NY 14068

THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY AND COPYRIGHT OF WARE MALCOMB AND SHALL NOT BE USED ON ANY OTHER WORK EXCEPT BY AGREEMENT WITH WARE MALCOMB. WRITTEN DIMENSIONS SHALL TAKE PRECEDENCE OVER SCALED DIMENSIONS AND SHALL BE VERIFIED ON THE JOB SITE. ANY DISCREPANCY SHALL BE BROUGHT TO THE NOTICE OF WARE MALCOMB PRIOR TO THE COMMENCEMENT OF ANY WORK

LIGHTING DETAILS

NO	DATE	REMARKS
01	10/23/2024	MAJOR SITE PLAN RESUBMISSION

RESERVED FOR TOWN OF AMHERST USE

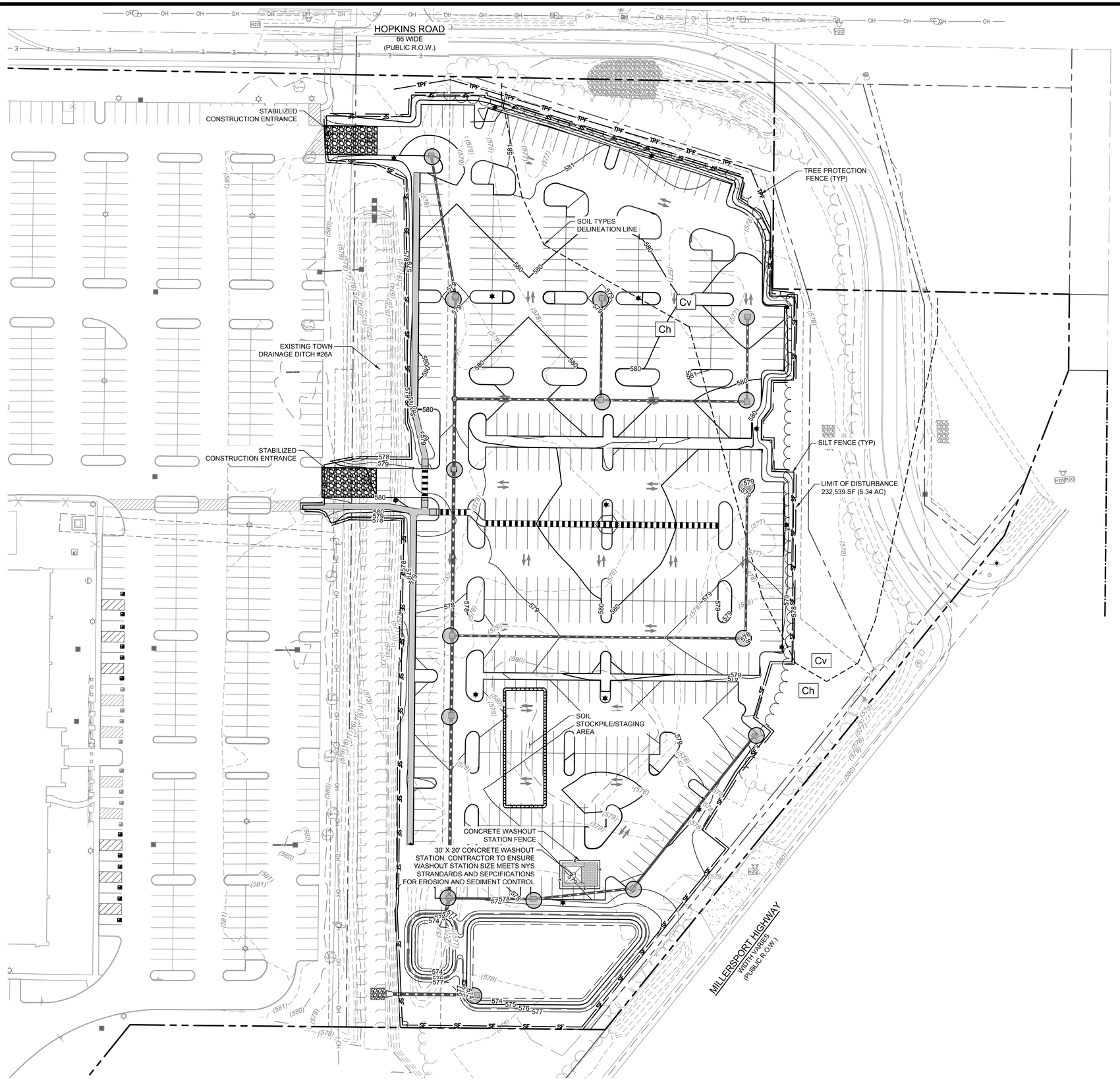
JOB NO.:	NYC24-4006
PA / PM:	E. WILKES
DESIGNED:	K. SEILER
DATE:	09/19/24
PLOT DATE:	10/23/24

SHEET
C7.1
Sheet 14 of 22

NOT FOR CONSTRUCTION UNLESS SIGNED

W:\NYC\24\4006\00\Civil\CAD\Sheets\CD\NYC24-4006_C7.1_Lighting Details.dwg 10/23/2024 KESEILER 1:1

Attachment: SP-2019-13A_drawings_112124 (29459 : SP-2019-13, A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)



LEGEND

EXISTING		PROPOSED
	BOUNDARY	
	EASEMENT	
	CENTERLINE	
	CURB	
	SIDEWALK	
	CURB RAMPS	
	SIGN	
	PAVEMENT MARKINGS	
	CROSSWALK STRIPING	
	FIRE HYDRANT	
	CATCH BASIN	
H2O	WATER VAULT	
	TREES	
	STORM DRAIN	
OH	OVERHEAD UTILITY	
	UTILITY POLE	
	LIGHT POLE	
WM	WATERLINE	
	SILT FENCE	SF
	LIMIT OF DISTURBANCE	
	INLET PROTECTION	
	STORM MANHOLE	ST
	TREE PROTECTION FENCE	TPF
	STABILIZED CONSTRUCTION ENTRANCE	
	TREE LINE	
	SOIL TYPE DELINEATION LINE	

TOTAL LIMIT OF DISTURBANCE: 5.34 ACRES (232,539 SF)

WM

0 20 40 80

SCALE: 1" = 40'

RESERVED FOR TOWN OF AMHERST USE

WARE MALCOMB
LEADING DESIGN FOR COMMERCIAL REAL ESTATE

45 w 21st street
6th floor
new york, ny 10010
p. 646.680.7000
waremalcomb.com

STATE OF NEW YORK
LICENSED PROFESSIONAL ENGINEER
10282

10/23/2024
FOR AND ON BEHALF OF WARE MALCOMB

MAJOR SITE PLAN APPLICATION
CROSSPOINT PARKING EXPANSION
3750 MILLERSPORT HIGHWAY
AMHERST, NY 14068

EROSION & SEDIMENT CONTROL PLAN

NO.	DATE	REMARKS
01	10/23/2024	MAJOR SITE PLAN RESUBMISSION

JOB NO.:	NYC24-4006
PA / PM:	E. WILKES
DESIGNED:	K. SEILER
DATE:	09/19/24
PLOT DATE:	10/23/24

SHEET
C8.0
Sheet 15 of 22

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Attachment: SP-2019-13A_drawings_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

W:\NYC24\4006\00\Civil\CAD\Sheets\CD\NYC24-4006_C8.0_ESC Plan.dwg 10/23/2024 KESEILER 1:1

CAUTION: IF THIS SHEET IS NOT 24"x36" IT IS A REDUCED PRINT

GENERAL PROJECT NOTES:

1. THE PROPERTY IS KNOWN AS AMHERST BLOCK 1, LOTS 70.11 & 58.111.
2. THE PROPERTY LIES IN OB (OFFICE BUILDING) AND RD (RESEARCH DEVELOPMENT) DISTRICTS. .
3. EXISTING CONDITIONS REFERENCED FROM SURVEY TITLED "TOPOGRAPHICAL SURVEY - PRELIMINARY COPY; LOT 1, BLOCK 196" DATED 04/10/2019, PREPARED BY MERIDIAN.
4. THE PROJECT VERTICAL DATUM AND ELEVATIONS ARE BASED UPON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).
5. THE PROJECT HORIZONTAL DATUM IS BASED UPON NEW YORK STATE PLANE COORDINATE SYSTEM OF 1983 (NAD83).
6. THE MEAN HIGH WATER ELEVATION IS 2.23 (NAVD 1988) PER TIDAL BENCHMARK PID KV0442.
7. ALL EROSION AND SEDIMENT CONTROL MEASURES ARE GOVERNED BY THE NYS DEC APPROVED SWPPP. SEE APPROVED SWPPP FOR DETAILS.

SOIL EROSION NOTES:

1. THE CONTRACTOR IS REQUIRED TO INSTALL SOIL EROSION AND SEDIMENT CONTROL MEASURES PER CONTRACT DRAWINGS AND SPECIFICATIONS.
2. DEWATERING: DEP DEWATERING PRACTICES WILL BE USED TO PREVENT PONDING OF WATER DURING CONSTRUCTION. CONTRACTOR TO OBTAIN ALL PERMITS. SEE NOTE #1 UNDER "CONSTRUCTION ACTIVITY" FOR SPECIFIC DEWATERING MEASURES.
3. STORMWATER RUN-OFF: CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER DISPOSAL OF STORMWATER RUN-OFF DURING CONSTRUCTION TO AN ON-SITE STORMWATER FILTRATION AND DRAINAGE SYSTEM IN CONFORMANCE WITH THE NYC DEC REGULATIONS AND SPECIFICATIONS.

MAINTENANCE NOTES:

1. THE CONTRACTOR WILL BE RESPONSIBLE FOR THE PROPER CONSTRUCTION AND MAINTENANCE OF ALL TEMPORARY EROSION AND SEDIMENTATION CONTROL MEASURES AND RELATED ITEMS INCLUDED WITHIN THIS PLAN. THE CONTRACTOR WILL ALSO BE RESPONSIBLE FOR THE PROPER CONSTRUCTION AND STABILIZATION OF PERMANENT CONTROL MEASURES AND RELATED ITEMS INCLUDED WITHIN THIS PLAN THROUGH COMPLETION OF CONSTRUCTION.
2. ALL EROSION AND SEDIMENT CONTROLS SHALL REMAIN IN PLACE UNTIL THE TRIBUTARY AREA TO THE CONTRO LIS COMPLETELY STABILIZED. ALL CONTROLS SHALL BE CHECKED DAILY AND AFTER STORM EVENTS TO ENSURE THEY ARE IN PROPER WORKING ORDER.
3. THE OWNER WILL BE RESPONSIBLE FOR THE MAINTENANCE OF ALL PERMANENT CONTROL MEASURES.
4. SEDIMENT REMOVED FROM ANY TEMPORARY CONTROL MEASURE DURING REGULAR MAINTENANCE MAY BE INCORPORATED BACK INTO THE EARTHWORK AS FILL ON THE SITE IF APPROVED BY THE ENGINEER. SEDIMENT THAT IS NOT APPROVED FOR FILL MUST BE DISPOSED OF IN ACCORDANCE WITH ALL APPLICABLE REGULATIONS AND GUIDELINES.
5. ALL EROSION AND SEDIMENT CONTROL PRACTICES WILL BE CHECKED FOR STABILITY AND OPERATION FOLLOWING EVERY RUNOFF-PRODUCING RAINFALL BUT IN NO CASE LESS THAN ONCE A WEEK. ANY NEEDED REPAIRS WILL BE MADE IMMEDIATELY TO MAINTAIN ALL PRACTICES DURING A SPECIFIC CONSTRUCTION STAGE.
6. SEDIMENT WILL BE REMOVED FROM BEHIND THE SILT FENCE WHEN ACCUMULATION IS APPROXIMATELY 4 INCHES AT THE FENCE, OR WHEN BULGES DEVELOP IN THE FENCE. THE SILT FENCE WILL BE REPAIRED AS NECESSARY TO MAINTAIN A BARRIER.
7. THE STABILIZED CONSTRUCTION ENTRANCES SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. ALL SEDIMENT SPILLED, DROPPED, WASHED, OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.
9. IN ADDITION TO IMPLEMENTATION AND MAINTENANCE OF EROSION AND SEDIMENT CONTROL MEASURES FOR ONGOING ACTIVE CONSTRUCTION ACTIVITY, THE CONTRACTOR SHALL INITIATE STABILIZATION MEASURES AS SOON AS POSSIBLE IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED BUT IN NO CASE NO MORE THAN 7 DAYS AFTER THE CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAD TEMPORARILY OR PERMANENTLY CEASED.
10. THE ACCESS SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY OR STREETS. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL AGGREGATE. ALL SEDIMENT SPILLED, DROPPED, OR WASHED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY. WHEN NECESSARY, WHEELS MUST BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE ONTO PUBLIC RIGHTS-OF-WAY. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH AGGREGATE, WHICH DRAINS INTO AN APPROVED SEDIMENTTRAPPING DEVICE. ALL SEDIMENT SHALL BE PREVENTED FROM ENTERING STORM DRAINS, DITCHES, OR WATERCOURSES.

INSPECTION DURING CONSTRUCTION:

TO MEET NYS DEC REQUIREMENTS A QUALIFIED PROFESSIONAL SHALL CONDUCT AN ASSESSMENT OF THE SITE PRIOR TO THE COMMENCEMENT OF CONSTRUCTION. THE QUALIFIED PROFESSIONAL IS TO BE A PERSON KNOWLEDGEABLE IN THE PRINCIPLES AND PRACTICES OF EROSION AND SEDIMENT CONTROLS. THE QUALIFIED PROFESSIONAL SHALL BE UNDER THE SUPERVISION OF A LICENSED PROFESSIONAL ENGINEER, CERTIFIED PROFESSIONAL IN EROSION AND SEDIMENT CONTROL (CPESC), OR SOIL SCIENTIST QUALIFIED IN THESE REGARDS. THE QUALIFIED PROFESSIONAL SHALL CERTIFY IN AN INSPECTION REPORT THAT THE APPROPRIATE EROSION AND SEDIMENT CONTROL MEASURES DESCRIBED WITHIN THE SWPPP HAVE BEEN ADEQUATELY INSTALLED OR IMPLEMENTED TO ENSURE INSPECTIONS ARE TO BE COMPLETED AT LEAST TWICE A WEEK. A TYPICAL INSPECTION SUMMARY AND QUARTERLY COMPLIANCE SUMMARY FOR THE INSPECTION OF THE EROSION AND SEDIMENT CONTROL MEASURES SHALL BE PREPARED BY A QUALIFIED PROFESSIONAL KNOWLEDGEABLE IN THE PRINCIPLES AND PRACTICES OF A LICENSED ENGINEER. THE GENERAL CONTRACTOR IS TO POST ON-SITE A SUMMARY OF SITE INSPECTION ACTIVITIES ON A MONTHLY BASIS.

PLANNED EROSION AND SEDIMENT CONTROL PRACTICES:

1. SILT FENCE OR SILT BARRIER: AS INDICATED ON DRAWINGS AND OR AS DIRECTED BY SOIL EXPERT IN FIELD.
2. INLET PROTECTION: AS INDICATED, PROVIDE INLET PROTECTION ON ALL INSTALLED DRAINS AND GRATES UNTIL THE SITE IN COMPLETELY STABILIZED.
3. STAGING, LAY-DOWN, AND CONSTRUCTION ENTRANCE AREAS: STAGING, LAY-DOWN, AND ENTRANCE AREAS FOR VEHICLES AND EQUIPMENT ARE TO BE LOCATED ON STABILIZED PORTIONS OF THE SITE AS DIRECTED BY THE OWNER IN THE FIELD. VEHICLES AND EQUIPMENT ARE TO BE WASHED DOWN IN STABILIZED AREAS PRIOR TO EXITING THE SITE AS NEEDED. WASH DOWN WATER SHALL BE DIRECTED TO SITE EROSION AND SEDIMENT CONTROLS.
4. SURFACE STABILIZATION: PAVEMENT COURSES WILL BE INSTALLED AS SOON AS FINISHED GRADE IS REACHED. NO SOIL SHALL REMAIN UNSTABILIZED FOR OVER 7 DAYS. TEMPORARY STABILIZATION SHALL CONFORM TO NYSDEC STANDARDS.
5. DUST CONTROL: SHOULD EXCESSIVE DUST BE GENERATED, IT WILL BE CONTROLLED BY SPRINKLERING.
6. TEMPORARY STOCKPILE: SHOULD SOIL STOCKPILING BE NECESSARY ON SITE, MAINTAIN STOCKPILES IN ACCORDANCE WITH NYSDEC REQUIREMENTS. CONSTRUCT STOCKPILES SO THAT HEIGHT DOES NOT EXCEED 15 FEET, SIDE SLOPES ARE NOT STEEPER THAN 2H:1V, AND SILT FENCE IS INSTALLED AROUND THE PERIMETER. COVER ALL STOCKPILES WHICH WILL BE INACTIVE FOR MORE THAN 7 DAYS WITH POLY SHEETING, STABILIZE WITH TEMPORARY SEEDING, OR APPLY A LIQUID COPOLYMER FOR DUST SUPPRESSION (GORILLA SNOT OR APPROVED EQUAL).

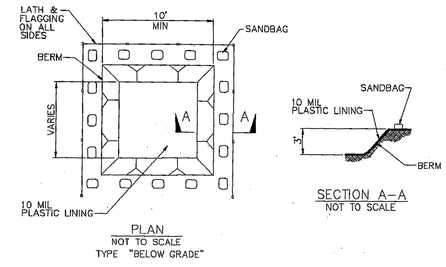
SOIL EROSION AND SEDIMENT CONTROL SCHEDULE:

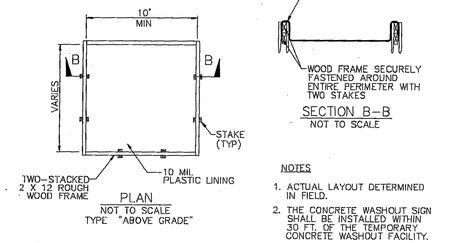
PHASE 1:

1. OBTAIN LOCAL AND STATE PERMITS AND APPROVALS PRIOR TO COMMENCING EARTHWORK.
2. FLAG THE WORK LIMITS AND ITEMS TO BE PROTECTED.
3. HOLD PRE-CONSTRUCTION MEETING WITH CONTRACTOR, PROJECT ARCHITECT, AND PROJECT ENGINEER AT LEAST ONE WEEK PRIOR TO COORDINATE IMPLEMENTATION OF EROSION AND SEDIMENT CONTROL PRACTICES.
4. INSTALL REINFORCED SILT FENCE, INLET PROTECTION, AND ALL OTHER POLLUTION PREVENTION ESC MEASURES AS SHOWN ON THE PLAN C1.0 OR AS DIRECTED BY SOIL EXPERT IN THE FIELD. SILT FENCE SHOULD BE PHASED SO THAT NO SEDIMENT LADEN WATER LEAVES THE SITE.
5. INSTALL STAGING, CONCRETE WASHOUT STATION, LAY-DOWN AND CONSTRUCTION ENTRANCE AREAS ON STABILIZED PORTIONS OF THE SITE AS DIRECTED BY THE OWNER IN THE FIELD.
6. ALL EROSION AND SEDIMENT CONTROL PRACTICES WILL BE INSPECTED DAILY BY A TRAINED CONTRACTOR AND TWICE PER WEEK BY A QUALIFIED PROFESSIONAL. NEEDED REPAIRS SHALL BE MADE IMMEDIATELY. KEEP AREAS BEYOND SITE IN CLEAN, CLEAR CONDITION DURING COURSE OF WORK.
7. REMOVE NECESSARY SITE FEATURES AND DEBRIS. DISPOSE OF WASTE MATERIALS OFF-SITE IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REGULATIONS.

PHASE 2:

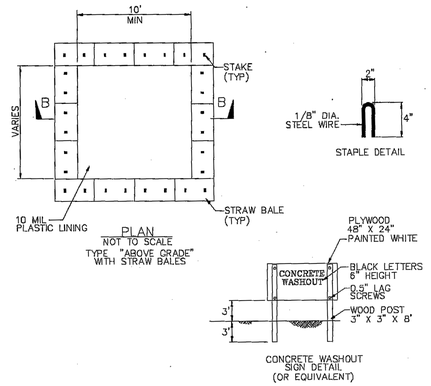
1. INSTALL STORMWATER DRAINAGE SYSTEM INCLUDING SEDIMENTATION TANK.
2. SPRINKLE AREAS OF EXPOSED SOIL AND SOIL STOCKPILES WITH POTABLE WATER AS NECESSARY TO CONTROL DUST.
3. COMPLETE FINE-GRADING AND PERMANENT STABILIZATION. INSTALL ASPHALT PAVEMENT ACCORDING TO CONSTRUCTION PLANS.
4. REMOVE ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES WHEN EARTHWORK IS COMPLETE AND ALL PERMANENT SURFACES ARE IN PLACE AND ESTABLISHED. ALL STORMWATER STRUCTURES WITHIN DISTURBED AREA AND RIGHT-OF-WAY MUST BE CLEAR OF SEDIMENT.

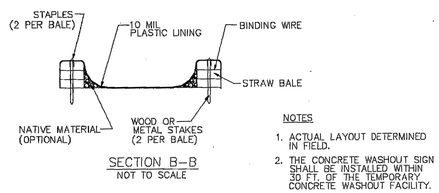




NOTES

1. ACTUAL LAYOUT DETERMINED IN FIELD.
2. THE CONCRETE WASHOUT SIGN SHALL BE INSTALLED WITHIN 30 FT. OF THE TEMPORARY CONCRETE WASHOUT FACILITY.

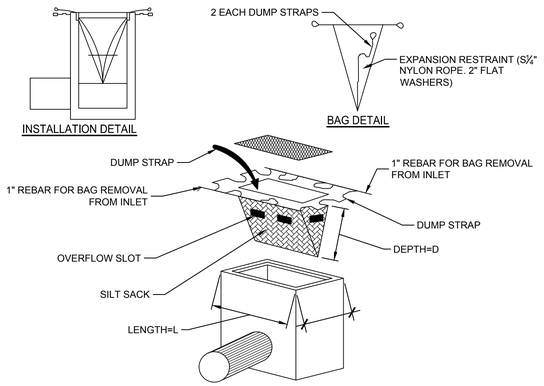




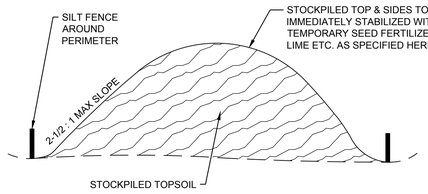
NOTES

1. ACTUAL LAYOUT DETERMINED IN FIELD.
2. THE CONCRETE WASHOUT SIGN SHALL BE INSTALLED WITHIN 30 FT. OF THE TEMPORARY CONCRETE WASHOUT FACILITY.

CONCRETE WASHOUT
SCALE: N.T.S.

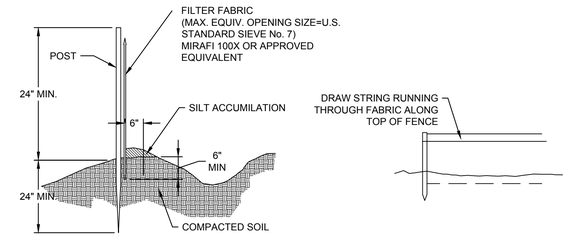


INLET PROTECTION - SILT BAG
SCALE: N.T.S.



MATERIAL	WATER DILUTION	TYPE OF NOZZLE	APPLY GAL/ACRE
ANIONIC ASPHALT EMULSION	7:1	COARSE SPRAY	1200
LATEX EMULSION	12.5:1	FINE SPRAY	235
RESIN IN WATER	4:1	FINE SPRAY	300
POLYACRYLAMIDE (PAM) - SPRAY ON POLYACRYLAMIDE (PAM) - DRY SPREAD	APPLY ACCORDING TO MANUFACTURER'S INSTRUCTIONS. MAY ALSO BE USED AS AN ADDITIVE TO SEDIMENT BASING TO FLOCCULATE AND PRECIPITATE SUSPENDED COLLOIDS. SEE SEDIMENT BASIN STANDARD, P. 26-1		
ACIDULATED SOY BEAN SOAP STICK	NONE	COARSE SPRAY	1200

STOCKPILE AREA
SCALE: N.T.S.

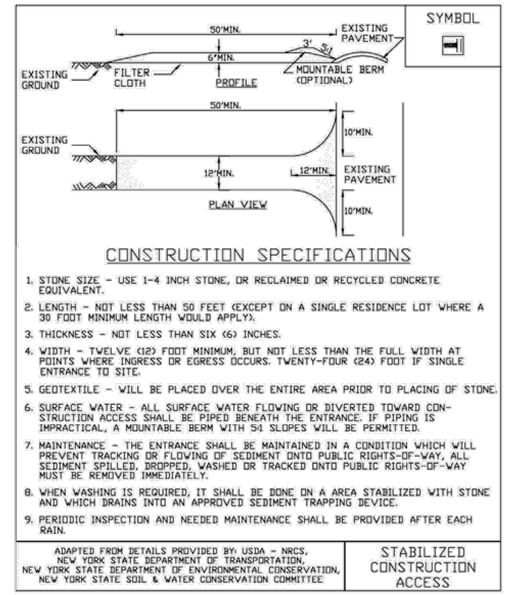


METHOD OF INSTALLATION

1. CONTRACTOR TO DIG 6" MIN. TRENCH AND LINE TRENCH WITH FILTER FABRIC PRIOR TO BACK FILL.
2. EXCEPT FOR THE END POST, DRIVE ALL POSTS INTO THE GROUND AT BACK SIDE OF TRENCH SPACED A MAXIMUM OF 8 FT O.C.
3. ATTACH FILTER FABRIC TO POST AND STRETCH BETWEEN POST WITH METAL FASTENER AND REINFORCEMENT MATERIAL PLACED BETWEEN THE FASTENER AND THE GEOTEXTILE FABRIC.
4. POST SHALL BE CONSTRUCTED OF HARDWOOD WITH A MINIMUM DIAMETER THICKNESS OF 1-1/2 INCHES.

SILT FENCE
SCALE: N.T.S.

Figure 2.1
Stabilized Construction Access



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STATE OF NEW YORK LICENSED ARCHITECTS AND ENGINEERS 102827 PROFESSIONAL ENGINEER
10/23/2024
FOR AND ON BEHALF OF WARE MALCOMB

MAJOR SITE PLAN APPLICATION
CROSSPOINT PARKING EXPANSION
3750 MILLERSPORT HIGHWAY
AMHERST, NY 14068

EROSION & SEDIMENT CONTROL DETAILS & NOTES

NO.	DATE	REMARKS
01	10/23/2024	MAJOR SITE PLAN RESUBMISSION

JOB NO.:	NYC24-4006
PA / PM:	E. WILKES
DESIGNED:	K. SEILER
DATE:	09/19/24
PLOT DATE:	10/23/24

SHEET
C8.1
Sheet 16 of 22

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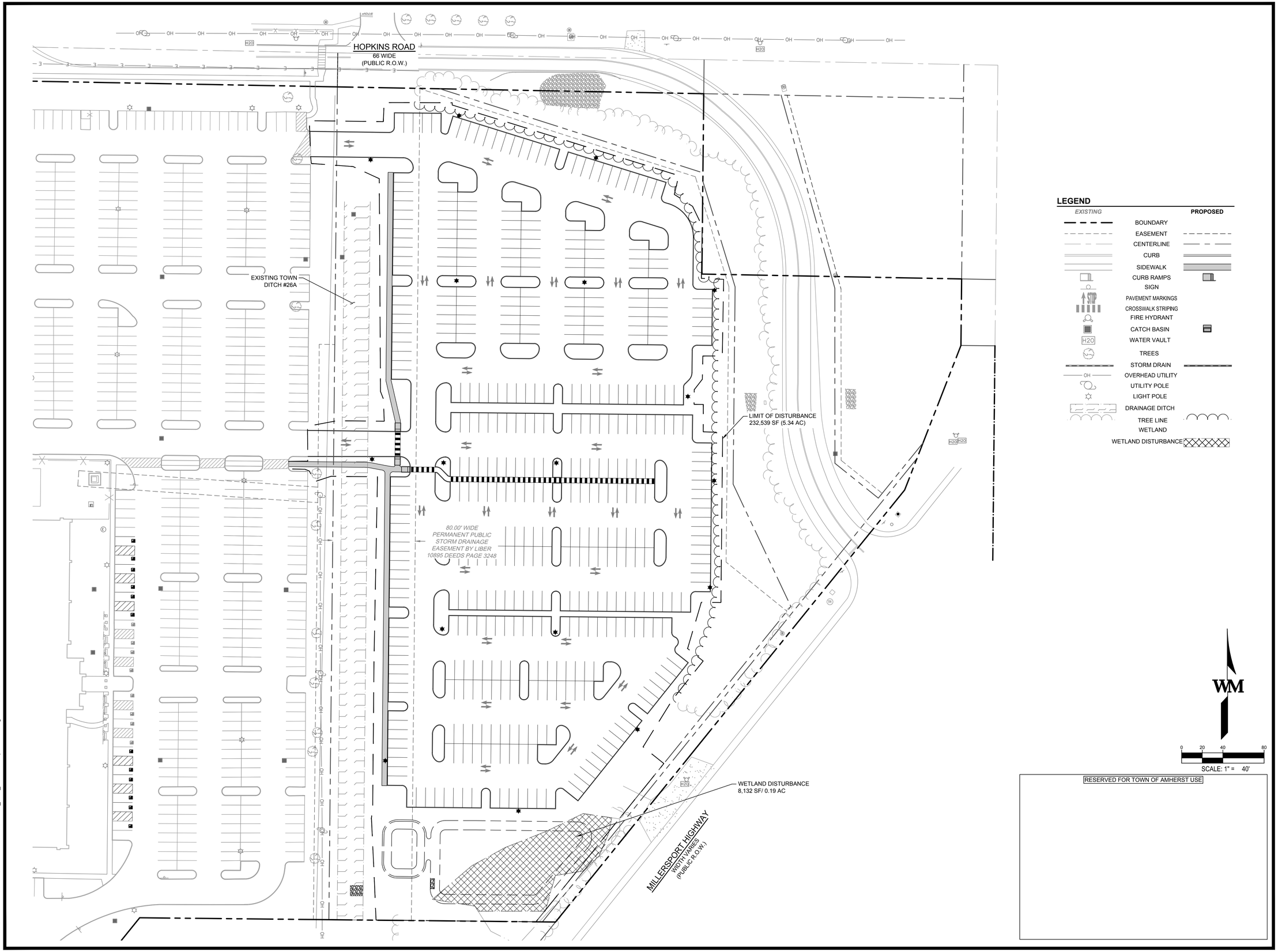
W:\NYC\24\4006\00\Civil\CAD\Sheets\CD\NYC24-4006_C8.1_ESC Details.dwg 10/23/2024 KESEILER 1:1

Attachment: SP-2019-13A_drawings_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

CAUTION: IF THIS SHEET IS NOT 24"x36" IT IS A REDUCED PRI



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6th floor
new york, ny 10010
p 646.680.7000
waremalcomb.com

STATE OF NEW YORK
LICENSED PROFESSIONAL ENGINEER
102827

10/23/2024
FOR AND ON BEHALF OF WARE MALCOMB

MAJOR SITE PLAN APPLICATION
CROSSPOINT PARKING EXPANSION
3750 MILLERSPORT HIGHWAY
AMHERST, NY 14068

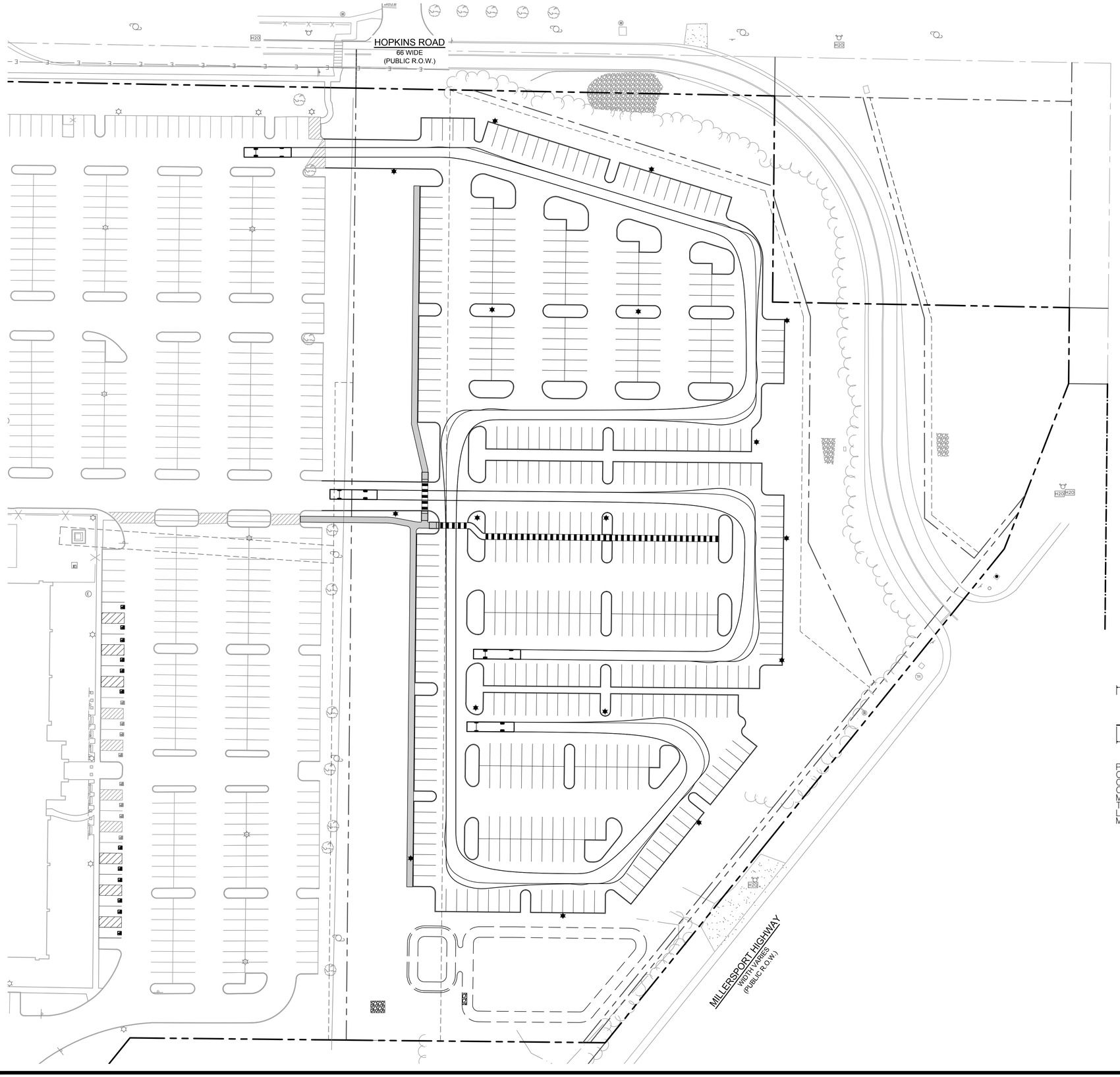
WETLANDS IMPACT PLAN

NO.	DATE	REMARKS
01	10/23/2024	MAJOR SITE PLAN RESUBMISSION

JOB NO.:	NYC24-4006
PA / PM:	E. WILKES
DESIGNED:	K. SEILER
DATE:	09/19/24
PLOT DATE:	10/23/24

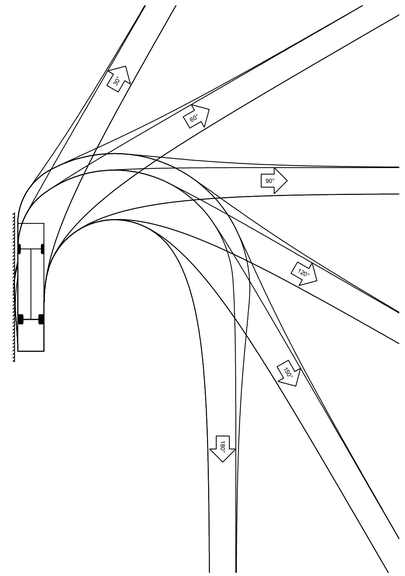
SHEET
C9.0
Sheet 17 of 22

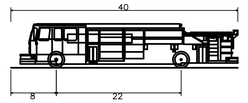
Attachment: SP-2019-13A_drawings_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)



LEGEND

EXISTING		PROPOSED
	BOUNDARY	N/A
	EASEMENT	N/A
	CENTERLINE	N/A
	CURB	
	FIRE HYDRANT	N/A
H20	WATER VAULT	N/A
	TREES	N/A
	UTILITY POLE	N/A
	LIGHT POLE	N/A
	TREE LINE	N/A





Pumper Fire Truck	
Overall Length	40.000ft
Overall Width	8.167ft
Overall Body Height	7.745ft
Min Body Ground Clearance	0.656ft
Track Width	8.167ft
Lock-to-lock time	5.00s
Max Wheel Angle	45.00°

PUMPER FIRE TRUCK

0 20 40 80

SCALE: 1" = 40'

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10/23/2024
FOR AND ON BEHALF
OF WARE MALCOMB

MAJOR SITE PLAN APPLICATION
CROSSPOINT PARKING EXPANSION
3750 MILLERSPORT HIGHWAY
AMHERST, NY 14068

VEHICLE CIRCULATION PLAN

NO.	DATE	REMARKS
01	10/23/2024	MAJOR SITE PLAN RESUBMISSION

JOB NO.:	NYC24-4006
PA / PM:	E. WILKES
DESIGNED:	K. SEILER
DATE:	09/19/24
PLOT DATE:	10/23/24

SHEET
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Sheet 18 of 22

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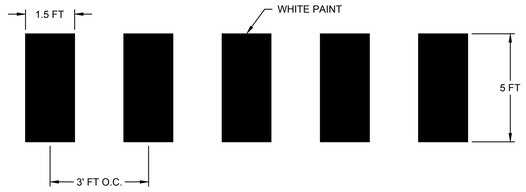
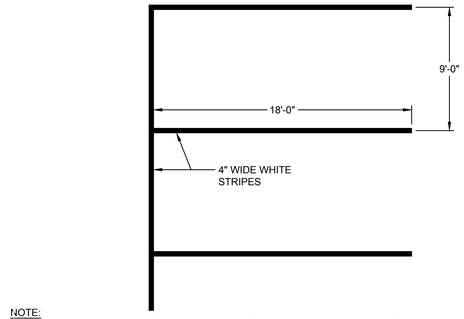
W:\NYC24\4006\00\Civil\CAD\Sheets\CD\NYC24-4006_C11.0_Emergency Vehicle Circulation Plan.dwg 10/23/2024 KESEILER 1:1

Attachment: SP-2019-13A_drawings_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

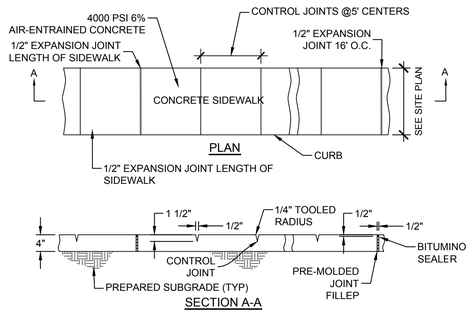


CROSSWALK DETAIL
SCALE: N.T.S.



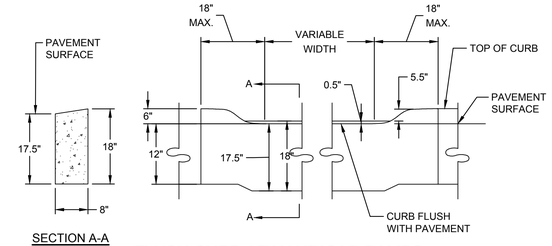
NOTE:
1. SYMBOLS & PARKING STALLS SHALL CONFORM TO THE REQUIREMENTS OF THE AMERICAN DISABILITIES ACT AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), LATEST EDITION.

PARKING STALL
SCALE: N.T.S.

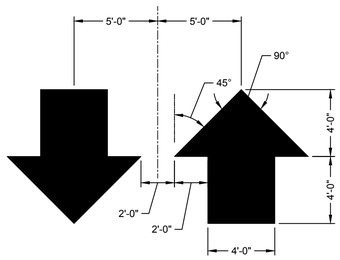


NOTE:
1. ALL SIDEWALKS SHALL BE FLOATED, TOOLED, AND MEDIUM-BROOM BRUSHED.
2. SIDEWALKS SHALL BE INSTALLED ON AN APPROVED, COMPACTED SUBGRADE.

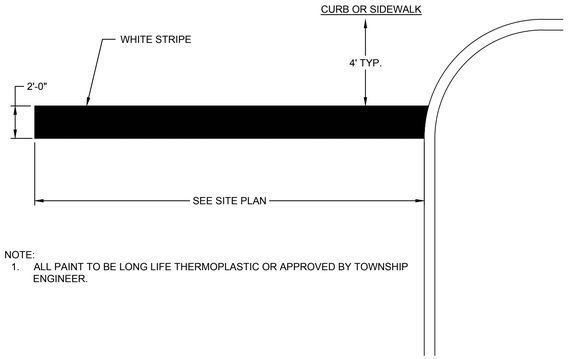
CONCRETE SIDEWALK DETAIL
SCALE: N.T.S.



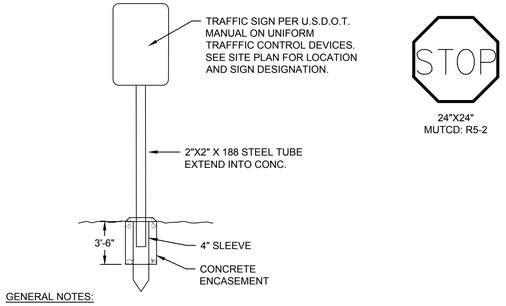
FLUSH CURB AT HANDICAP RAMPS
SCALE: N.T.S.



PAVEMENT MARKINGS
SCALE: N.T.S.



NOTE:
1. ALL PAINT TO BE LONG LIFE THERMOPLASTIC OR APPROVED BY TOWNSHIP ENGINEER.

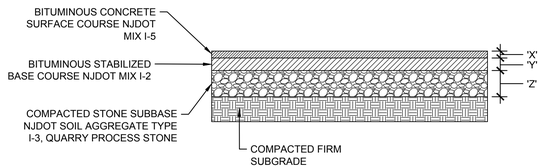


GENERAL NOTES:

1. ALL SIGNS SHALL BE ERECTED WITH THE BOTTOM OF THE SIGN NOT LESS THAN 7 FEET ABOVE THE PAVEMENT OR GROUND.
2. ALL POSTS SHALL BE OF ADEQUATE LENGTH TO MEET THE REQUIREMENTS FOR ERECTION AS STATED IN THE CURRENT "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES".
3. ALL TRAFFIC CONTROL DEVICES SHALL CONFORM WITH THE CURRENT "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES".

SIGNS
SCALE: N.T.S.

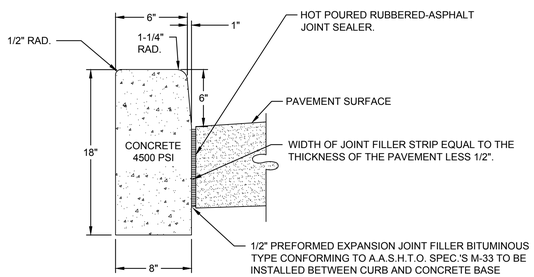
ASPHALT SECTION	SURFACE COURSE -'X'	BASE COURSE-'Y'	SUBBASE-'Z'
LIGHT DUTY	1.5 INCHES	2.5 INCHES	6 INCHES
HEAVY DUTY	2 INCHES	4 INCHES	10 INCHES



NOTE:
1. PAVING BASECOURSE SHALL BE CONSTRUCTED IN LAYERS NOT LESS THAN 2 INCHES AND NOT MORE THAN 5 INCHES THICK PER LIFT.
2. ALL AREAS TO BE PAVED SHALL BE PROOFROLLED WITH AT LEAST 4 PASSES OF EITHER A SMOOTH ROLLER HAVING A MINIMUM STATIC DRUM WEIGHT OF 5-TONS OR A FULLY LOADED TANDEM DUMP TRUCK. ANY SOFT AREAS SHALL BE REMOVED AND REPLACED WITH CLEAN, GRANULAR, FREE-DRAINING SOIL. FILL BE PLACED IN LOOSE LIFTS NOT TO EXCEED 12-INCHES AND SHALL BE COMPACTED TO AT LEAST 95% OF ITS MAXIMUM DRY DENSITY AS DETERMINED BY ASTM D-1557

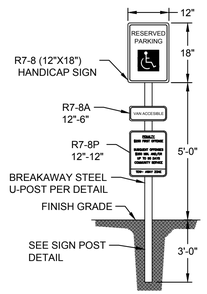
ASPHALT PAVEMENT SECTION
SCALE: N.T.S.

STOP BAR DETAIL
SCALE: N.T.S.



NOTE:
1. TANSVERSE JOINTS 1/2" WIDE SHALL BE INSTALLED IN THE CURB 20'-0" APART AND SHALL BE FILLED WITH PREFORMED BITUMINOUS-IMPREGNATED FIBER JOINT FILLER COMPLYING WITH THE REQUIREMENTS OF A.A.S.H.T.O. SPEC. M-213, RECESSED 1/4" IN FROM FRONT FACE AND TOP OF CURB. PROVIDE DUMMY (FORMED) JOINTS MIDWAY BETWEEN EXPANSION JOINTS. EXPANSION JOINTS THRU AND ADJACENT TO THE CURB SHALL BE INCLUDED IN THE UNIT PRICE BID FOR CURB.

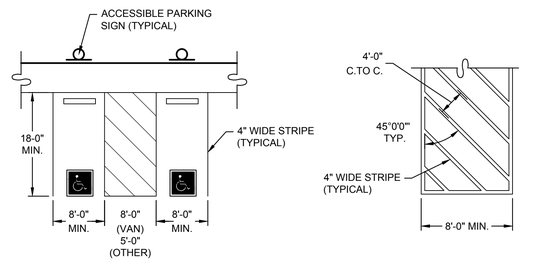
CONCRETE VERTICAL CURB
SCALE: N.T.S.



NOTES:

1. ACCESSIBLE PARKING SIGN SHALL CONFORM WITH CURRENT STATE AND LOCAL CODES AND REGULATIONS. ADD A "VAN ACCESSIBLE" SIGN WHERE APPLICABLE. REFER TO ACCESSIBLE PARKING DETAIL FOR SIGN LOCATIONS.

ACCESSIBLE PARKING SIGN
SCALE: N.T.S.



NOTES:

1. ALL STALLS BE A MINIMUM OF 8'-0" X 18'-0".
2. SPACES DESIGNATED AS BEING "VAN ACCESSIBLE" SHALL BE ADJACENT TO ACCESS AISLES WITH A MIN. WIDTH OF 8'; OTHER AISLESS SHALL BE 5' WIDE.
3. PROPOSED STRIPING SHALL BE BLUE IN COLOR.

ACCESSIBLE PARKING DETAIL
N.T.S.

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MAJOR SITE PLAN APPLICATION
CROSSPOINT PARKING EXPANSION
3750 MILLERSPORT HIGHWAY
AMHERST, NY 14068

CONSTRUCTION DETAILS

NO.	DATE	REMARKS
01	10/23/2024	MAJOR SITE PLAN RESUBMISSION

JOB NO.:	NYC24-4006
PA / PM:	E. WILKES
DESIGNED:	K. SEILER
DATE:	09/19/24
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SHEET
C11.0
Sheet 19 of 22

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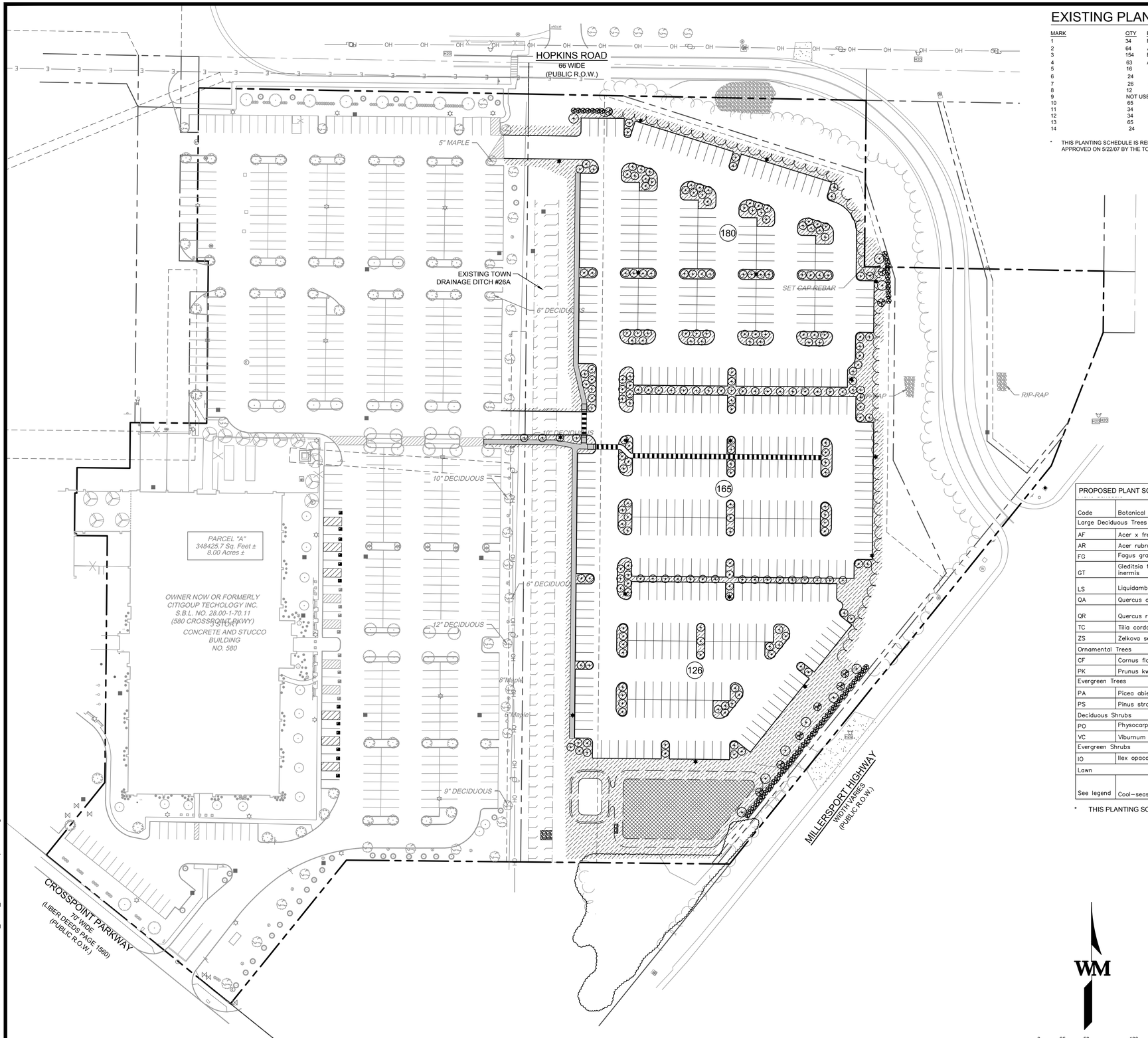
Attachment: SP-2019-13A_drawings_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

W:\NYC24\4006\00\Civil\CAD\Sheets\CD\NYC24-4006_C11.0_Construction Details.dwg 10/23/2024 MSUMMITT 1:1



EXISTING PLANT SCHEDULE (580 CROSSPOINT PARKWAY)

MARK	QTY	BOTANICAL / COMMON NAME	PLANTING SIZE	ROOT
1	34	FRAXINUS PENNSYLVANICA "CIMMZAM ASH"	2 - 2½" CAL	B&B
2	64	ACER RUBRUM "RED SUNSET MAPLE"	2 - 2½" CAL	B&B
3	154	BERBERIS THUBERGII "ROSY GLOW BARBERRY"	24-30"	B&B
4	63	ACER PLATANOIDES "CRIMSON KING MAPLE"	2 - 2½" CAL	B&B
5	16	PICEA PUNGENS "COLORADO BLUE SPRUCE"	6-6'H MIN	B&B
6	24	PYRUS CALLERYANA "CLEVELAND SELECT PEAR"	2-2½" CAL	B&B
7	26	SYRINGA RETICULATA "IVORY SILK LILAC TREE"	2-2½" CAL	B&B
8	12	JUNIPERUS SCOPULCRUM "BLUE HEAVEN JUNIPER"	4'H MIN	B&B
9	NOT USED			
10	65	BUXUS X, GREEN VELVET "GREEN VELVET BOXWOOD"	12-15"	B&B
11	34	JUNIPERUS CHINENSIS "HETZII COLUMNAR JUNIPER"	4'H MIN	B&B
12	34	HIBISCUS SYRIACUS "APHRODITE ROSE-OF-SHARON	3'-4'	B&B
13	65	PICEA ABIES "NORWAY SPRUCE"	6'H MIN	B&B
14	24	JUNIPERUS CHINENSIS "GOLD COAST JUNIPER"	15-18"	B&B

* THIS PLANTING SCHEDULE IS REFERENCED FROM A PLAN TITLED " 540 CROSSPOINT PHASE II OFFICE BUILDING, LANDSCAPE PLAN" DATED 02/16/07 AND APPROVED ON 5/22/07 BY THE TOWN OF AMHERST PLANNING BOARD.

PROPOSED PLANT SCHEDULE (3750 MILLERSPORT HIGHWAY)

Code	Botanical Name	Common Name	Container	Size	Spacing	Quantity	Notes
Large Deciduous Trees							
AF	Acer x freemani	Freemani Maple	B&B	2.5" Cal.	As shown	12	
AR	Acer rubrum	Red Maple	B&B	2.5" Cal.	As shown	29	
FG	Fagus grandifolia	American Beech	B&B	2.5" Cal.	As shown	30	
GT	Gleditsia triacanthos v. inermis	Thornless Honey Locust	B&B	2.5" Cal.	As shown	27	
LS	Liquidambar styraciflua	Sweetgum	B&B	2.5" Cal.	As shown	29	
QA	Quercus alba	White Oak	B&B	2.5" Cal.	As shown	11	
QR	Quercus rubra	Red Oak	B&B	2.5" Cal.	As shown	23	
TC	Tilia cordata	Littleleaf Linden	B&B	2.5" Cal.	As shown	28	
ZS	Zelkova serrata	Japanese Zelkova	B&B	2.5" Cal.	As shown	27	
Ornamental Trees							
CF	Cornus florida	Florida Dogwood	B&B	12' Ht	As shown	5	
PK	Prunus kwanzan	Kwanzan Flowering Cherry	B&B	2.5" Cal.	As shown	12	
Evergreen Trees							
PA	Picea abies	Norway Spruce	B&B	5' Ht	As shown	5	
PS	Pinus strobus	Eastern White Pine	B&B	5' Ht	As shown	4	
Deciduous Shrubs							
PO	Physocarpus opulifolius	Ninebark	B&B	24" Ht	5' O.C.	21	
VC	Viburnum carlesii	Korean Spice Viburnum	B&B	24" Ht	5' O.C.	31	
Evergreen Shrubs							
IO	Ilex opaca	American Holly	B&B	48" Ht	5' O.C.	7	
Lawn							
See legend	Cool-season seed mix	Blend of Kentucky Blugrass, Perennial Ryegrass, and Fine Fescue.	seed	–	–	54,321 SF	

* THIS PLANTING SCHEDULE IS REFERENCED FROM SHEET L1.0

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0 25 50 100
SCALE: 1" = 50'

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LEADING DESIGN FOR COMMERCIAL REAL ESTATE
45 w 21st street
6th floor
new york, ny 10010
p. 646.680.7000
waremalcomb.com

STATE OF NEW YORK
KRISTOPHER ANCTIL SEILER
LICENSED PROFESSIONAL ENGINEER
102821

10/23/2024
FOR AND ON BEHALF
OF WARE MALCOMB

MAJOR SITE PLAN APPLICATION
CROSSPOINT PARKING EXPANSION
3750 MILLERSPORT HIGHWAY
AMHERST, NY 14068

OVERALL LANDSCAPE PLAN

NO.	DATE	REMARKS
01	10/23/2024	MAJOR SITE PLAN RESUBMISSION

JOB NO.:	NYC24-4006
PA / PM:	E. WILKES
DESIGNED:	K. SEILER
DATE:	09/19/24
PLOT DATE:	10/23/24

SHEET
C12.0
Sheet 20 of 22

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Attachment: SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins) SP-2019-13_A_drawings_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

Plant Schedule							
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PA	Picea abies	Norway Spruce	B&B	5' Ht	As shown	5	
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PO	Physocarpus opulifolius	Ninebark	B&B	24" Ht	5' O.C.	21	
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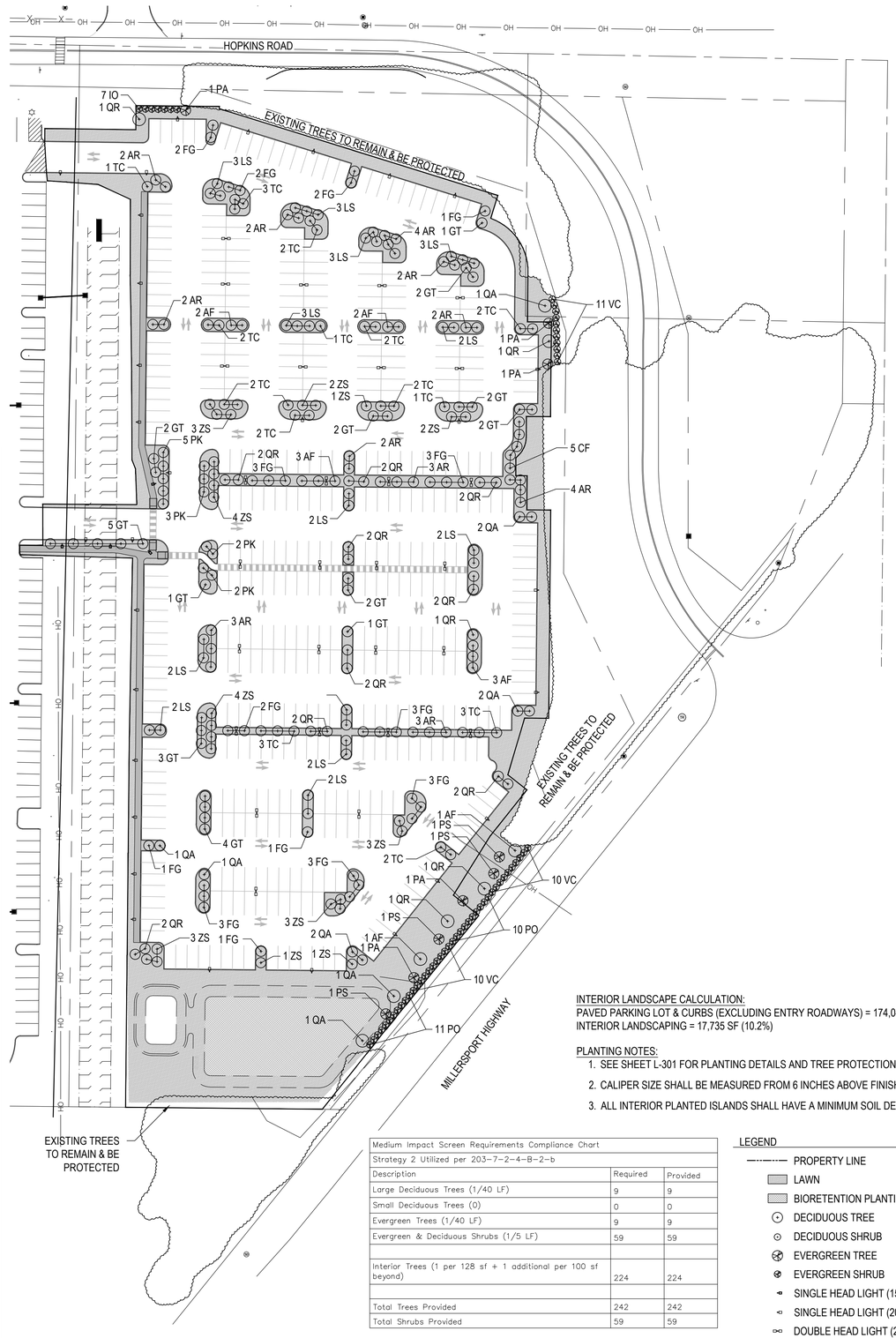
Evergreen Shrubs							
IO	Ilex opaca	American Holly	B&B	48" Ht	5' O.C.	7	
Lawn							
See legend	Cool-season seed mix	Blend of Kentucky Blugrass, Perennial Ryegrass, and Fine Fescue.	seed	–	–	54,321 SF	

	Landscaping Code Compliance Chart			
	Address: 3750 Millersport Hwy			
	Section/Block/Lot: 28.00-1-58.111			
	Zoning: OB			
	Adjacent Zoning: SA (north, east, south) & RD (west)			
#	Required	Provided	Complies	Code Reference
1	203-7-2-3 Landscape Regulations			
2	All large and small deciduous trees planted shall have a minimum caliper of two and one-half inches, measured six inches above the ground. All large deciduous trees planted in multi-stem form shall have a minimum height of 12 feet above the finished grade. All small deciduous trees planted in multi-stem form shall have a minimum height of 10 feet above the finished grade. All coniferous trees planted shall have a minimum height of five feet above the finished grade. All ornamental trees planted shall have a minimum caliper of one and three-quarters inches measured six inches above the ground. All ornamental trees planted in multi-stem form shall have a minimum height of eight feet above the finished grade. All shrubs planted shall have a minimum height of 24 inches above the ground except when being used as a ground cover. All evergreen shrubs used for screening shall have a minimum height of 48 inches (4 feet) above the finished grade.	All plant materials meet minimum required sizes	Yes	203-7-2-3-A-1-g
3	Minimum interior landcape area required: 10%	Yes	Yes	203-7-2-3-A-3-a
4	Interior landscaped islands required every 15 spaces.	Yes	Yes	203-7-2-3-A-3-b
5	Interior islands have minimum dimensions of 8'x16' for single row and 8'x32' for double row as measured from back of curb.	Yes	Yes	203-7-2-3-A-3-b
6	All rows of spaces terminate in a landscaped island.	Yes	Yes	203-7-2-3-A-3-c
7	A minimum of one large deciduous tree shall be provided for each landscaped island that exceeds 128 square feet. One additional large deciduous shade tree shall be provided within landscaped islands for each 100 square feet in excess of 128 square feet. The Planning Board or Planning Director may, permit the substitution of smaller ornamental trees within landscaped islands. A minimum of 2 small ornamental trees shall be provided for each landscaped island that exceeds 128 square feet. One additional small ornamental tree shall be provided within landscaped islands for each 90 square feet in excess of 128 square feet.	Yes	Yes	203-7-2-3-A-3-e
8	A minimum of one large deciduous shade tree shall be planted for every 200 square feet of landscaped area within any divider median, planted individually or in groups separated by a maximum of 40 feet.	N/A	N/A	203-7-2-3-A-3-f
9	Parking Lot Pedestrian Medians (as required by § 7-1-9D) shall have a minimum dimension of 16 feet and contain a concrete walkway with a minimum width of six feet. Planting areas with a minimum width of five feet shall be provided on both sides of the walkway. At each point the walkway crosses a parking lot or internal driveway, the walkway shall be clearly defined through a change in the texture, color or height of the paving materials.	Yes	Yes	203-7-2-3-A-3-h
10	In addition to trees, all landscaped islands and divider medians shall be landscaped with grass, groundcover, shrubs or other landscape material acceptable to the Planning Board or Planning Director.	Yes	Yes	203-7-2-3-A-3-i
11	All interior landscaped areas shall have a minimum planting soil depth of three feet and be free from all forms of construction debris and foreign material.	Yes	Yes	203-7-2-3-A-3-j
12	203-7-2-4 Buffers and Screening			
13	Vehicle Use Areas (VUAs) located adjacent to a public street shall be screened from the street with tree and shrub plantings, earthen berms, walls or a combination of these methods so as to establish an effective visual screen which is not less than 36 inches above the grade at the adjacent VUA within two years of installation. A minimum of one large deciduous tree, two small deciduous/ornamental trees or three evergreen trees or any combination thereof shall be planted within the required yard area for each 40 linear feet of frontage along a street.	Landscaping provided.	Yes	203-7-2-4-A-2
14	Required screening to the north, east, and south (SA Zoned areas) = high.	Yes	Yes	203-7-2-4-B
15	Existing trees & shrubs forming an immediate screen with minimum height of 36 inches above grade.	Landscaping provided.	Yes	203-7-2-4-B-1-a
16	Buffering and screening may consist of an earthen berm, masonry/stone wall or opaque wooden/vinyl fence with a minimum height of 36 inches above the grade at the adjacent VUA and one medium impact landscape screen evenly distributed within the required yard area	Landscaping provided.	Yes	203-7-2-4-B-1-b
17	Required screening to the west (RD Zoned areas) = medium.	Yes	Yes	203-7-2-4-B
18	Buffering and screening may consist of either: (1) one medium impact landscape screen evenly distributed throughout the required yard area; or (2) an earthen berm, masonry/stone wall or opaque wooden/vinyl fence with a minimum height of 36 inches above the grade at the adjacent VUA and one low impact landscape screen evenly distributed throughout the required yard area	Plant screening provided.	Yes	203-7-2-4-B-2-b



1 PLANTING PLAN

SCALE: 1"=50'-0"

INTERIOR LANDSCAPE CALCULATION:
PAVED PARKING LOT & CURBS (EXCLUDING ENTRY ROADWAYS) = 174,040 SF
INTERIOR LANDSCAPING = 17,735 SF (10.2%)

PLANTING NOTES:
1. SEE SHEET L-301 FOR PLANTING DETAILS AND TREE PROTECTION DETAILS.
2. CALIPER SIZE SHALL BE MEASURED FROM 6 INCHES ABOVE FINISHED GRADE.
3. ALL INTERIOR PLANTED ISLANDS SHALL HAVE A MINIMUM SOIL DEPTH OF 3 FEET.

Medium Impact Screen Requirements Compliance Chart		
Strategy 2 Utilized per 203-7-2-4-B-2-b		
Description	Required	Provided
Large Deciduous Trees (1/40 LF)	9	9
Small Deciduous Trees (0)	0	0
Evergreen Trees (1/40 LF)	9	9
Evergreen & Deciduous Shrubs (1/5 LF)	59	59
Interior Trees (1 per 128 sf + 1 additional per 100 sf beyond)	224	224
Total Trees Provided	242	242
Total Shrubs Provided	59	59

LEGEND
- PROPERTY LINE
- LAWN
- BIORETENTION PLANTING
- DECIDUOUS TREE
- DECIDUOUS SHRUB
- EVERGREEN TREE
- EVERGREEN SHRUB
- SINGLE HEAD LIGHT (15' HT)
- SINGLE HEAD LIGHT (20' HT)
- DOUBLE HEAD LIGHT (20' HT)
- EXISTING TREES TO BE PROTECTED

COMPLIANCE NOTES:
1. ALL LANDSCAPED SHALL BE MAINTAINED AND PRESERVED ACCORDING TO THE APPROVED LANDSCAPE PLAN. LANDSCAPED AREAS SHALL BE KEPT FREE OF TRASH, LITTER, WEEDS AND OTHER SUCH MATERIALS. FAILURE TO MAINTAIN THE LANDSCAPING IN ACCORDANCE WITH THE APPROVED LANDSCAPE PLAN OR TO KEEP LANDSCAPED AREAS FREE OF TRASH, LITTER, WEEDS AND OTHER SUCH MATERIALS SHALL BE A VIOLATION OF THE TOWN ORDINANCE, AND THIS REQUIREMENT SHALL BE ENFORCED BY THE COMMISSIONER OF BUILDING.
2. ALL PLANT MATERIALS SHALL BE IN A HEALTHY AND VIGOROUS GROWING CONDITION, EXHIBIT GOOD FORM, AND DISPLAY IN EXCESS OF 75 PERCENT LEAF COVER, AS DETERMINED BY THE DIVISION OF FORESTRY, IN ORDER TO BE CONSIDERED ACCEPTABLE FOR THE PURPOSES OF COMPLIANCE WITH THE SITE PLAN AT THE TIME OF INSPECTION FOR CERTIFICATE OF OCCUPANCY OR CERTIFICATE OF COMPLIANCE. ALL PLANT MATERIALS WHICH ARE CONSIDERED TO BE UNACCEPTABLE FOR THE PURPOSES OF COMPLIANCE WITH TOWN REGULATIONS SHALL BE REPLACED WITH ACCEPTABLE PLANT MATERIAL PRIOR TO THE ISSUANCE OF A FINAL CERTIFICATE OF OCCUPANCY OR CERTIFICATE OF COMPLIANCE BY THE COMMISSIONER OF BUILDING.
3. TREES WHICH EXISTED ON THE SITE PRIOR TO DEVELOPMENT AND ARE IDENTIFIED ON THE LANDSCAPE PLAN AS TREES TO BE PRESERVED CANNOT BE REMOVED DURING CONSTRUCTION WITHOUT FIRST OPOAINING A TREE REMOVAL PERMIT OR AN AMENDMENT TO THE SITE PLAN. THE REMOVAL OF EXISTING TREES TO BE PRESERVED WITHOUT TOWN APPROVAL SHALL BE CONSIDERED A VIOLATION OF THE TOWN OF AMHERST TREE LAW, ALSO KNOWN AS LOCAL LAW 8-1992, AS AMENDED.
4. AFTER THE ISSUANCE OF A FINAL CERTIFICATE OF OCCUPANCY OR CERTIFICATE OF COMPLIANCE BY THE COMMISSIONER OF BUILDING, PLANT MATERIALS WHICH DIE OR ARE NOT MAINTAINED IN A HEALTHY AND GROWING CONDITION WITH AT LEAST 50 PERCENT LEAF COVER SHALL BE REPLACED WITHIN THE NEXT GROWING SEASON WITH PLANTINGS OF A SIMILAR NATURE. PLANTINGS INTENDED TO SERVE AS A VISUAL SCREEN WHICH DIE OR ARE NOT MAINTAINED IN A HEALTHY AND GROWING CONDITION AFTER THREE YEARS FROM THE DATE OF ISSUANCE OF THE FINAL CERTIFICATE OF OCCUPANCY OR CERTIFICATE OF COMPLIANCE BY THE COMMISSIONER OF BUILDING SHALL BE REPLACED WITH PLANTINGS OF A SIZE AND NATURE SUFFICIENT TO ACHIEVE THE VISUAL SCREEN INTENDED.
5. ALL TREES SHALL BE PLANTED IN ACCORDANCE WITH THE METHODS ILLUSTRATED BY THE PLANTING DETAILS REQUIRED TO BE SHOWN ON THE APPROVED LANDSCAPE PLAN. TREES NOT PLANTED IN ACCORDANCE WITH THESE METHODS WILL NOT BE CONSIDERED ACCEPTABLE FOR THE PURPOSES OF COMPLIANCE WITH THE SITE PLAN AND SHALL BE REPLANTED IN ACCORDANCE WITH THE METHODS ILLUSTRATED IN THE DETAILS, OR THE METHOD OF PLANTING OTHERWISE CORRECTED SO AS TO BE ACCEPTABLE TO THE TOWN PRIOR TO THE ISSUANCE OF A FINAL CERTIFICATE OF OCCUPANCY OR CERTIFICATE OF COMPLIANCE BY THE COMMISSIONER OF BUILDING. WHERE TREE STAKES AND GUY WIRES ARE USED, THEY SHALL BE REMOVED FROM NEWLY PLANTED TREES NO SOONER THAN 12 MONTHS AFTER PLANTING AND NO LATER THAN 18 MONTHS AFTER PLANTING.
6. INSPECTIONS REQUIRED SHALL BE THE RESPONSIBILITY OF THE DIVISION OF FORESTRY.
7. PETITIONER AND PETITIONER'S CONTRACTOR SHALL TAKE ALL REASONABLE MEASURES TO PROTECT EXISTING TREES WHICH ARE TO BE PRESERVED FROM ALL POSSIBLE TYPES OF ROOT, TRUNK, AND LIMB DAMAGE; INCLUDING BUT NOT LIMITED TO, RETAINING WALLS WHICH PREVENT FILLING ON TOP OF ROOTS OR EXCAVATING TREES ROOTS AS PER ZONING ORDINANCE SECTION 7-2-3 (B) (3).

Bioretention Plant Schedule							
Code	Botanical Name	Common Name	Container	Size	Spacing	Quantity (SF)	Notes
Shrubs							
CA	Clethra alnifolia	Sweet Pepperbush	Cont.	3 Gal.	5' O.C.	371	5%
CS	Cornus sericea	Red Osier Dogwood	Cont.	3 Gal.	5' O.C.	371	5%
CS	Cornus serice	Red Twig Dogwood	Cont.	3 Gal.	5' O.C.	741	10%
IV	Ilex verticillata	Winterberry Holly	Cont.	3 Gal.	5' O.C.	741	10%
VC	Vaccinium corymbosum	Highbush Blueberry	Cont.	3 Gal.	5' O.C.	371	5%
Perennials							
AC	Asarum canadense	Wild Ginger	Cont.	1 Gal.	12" O.C.	371	5%
AI	Asclepias incarnata	Swamp Milkweed	Cont.	1 Gal.	36" O.C.	741	10%
EP	Eutrochium purpureum	Joe-Pye Weed	Cont.	1 Gal.	36" O.C.	741	10%
IV	Iris versicolor	Blue Flag Iris	Cont.	1 Gal.	30" O.C.	371	5%
MV	Mertensia virginica	Virginia Bluebells	Cont.	1 Gal.	24" O.C.	371	5%
SN	Symphyotrichum novae-angliae	New England Aster	Cont.	1 Gal.	36" O.C.	741	10%
SS	Schizachyrium scoparium	Little Bluestem	Cont.	1 Gal.	18" O.C.	1,112	15%
ZA	Zizia aurea	Golden Alexander	Cont.	1 Gal.	12" O.C.	371	5%
Total Area						7,414	100%

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waremalcomb.com

REGISTERED LANDSCAPE ARCHITECT SHAWN CHARLES PARTIN 002958 STATE OF NEW YORK

FOR AND ON BEHALF OF WARE MALCOMB

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MAJOR SITE PLAN APPLICATION
CITI - CROSSPOINT EXPANSION
3750 MILLERSPORT HIGHWAY
AMHERST, NY 14068

LANDSCAPE PLAN & NOTES

NO.	DATE	REMARKS
01	10/25/2024	REVISIONS PER TOWN COMMENTS

JOB NO.:	NYC24-4006
PA / PM:	S. PARTIN
DESIGNED:	S. PARTIN
DATE:	09/17/24
PLOT DATE:	10/22/24

SHEET
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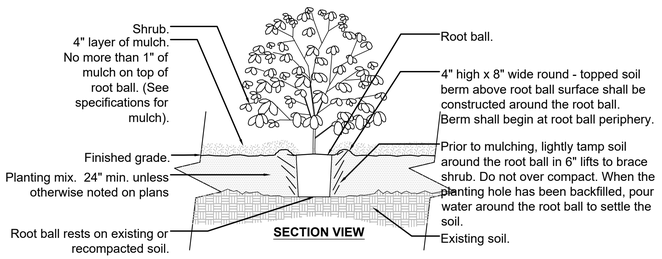
Sheet 21 of 22

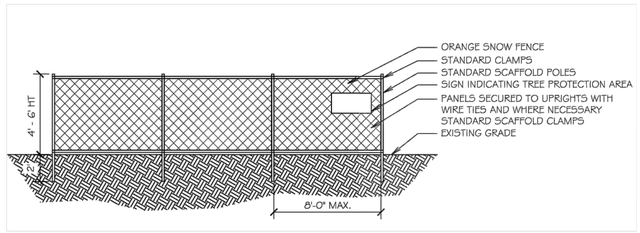
NOT FOR CONSTRUCTION

Attachment: SP-2019-13A, drawings 112124 (29459 : SP-2019-13, A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)



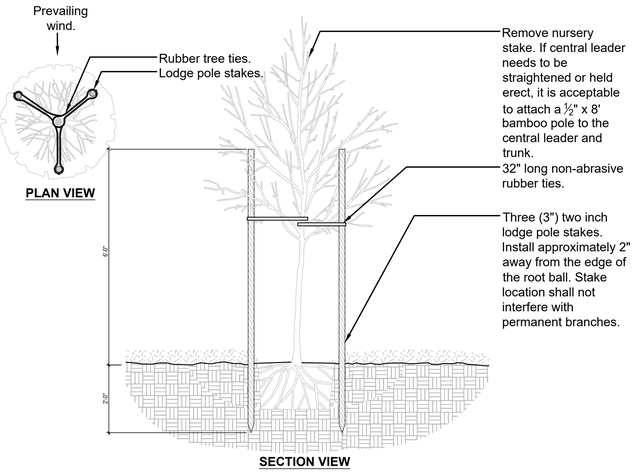
1 SHRUB PLANTING DETAIL

SCALE: NTS



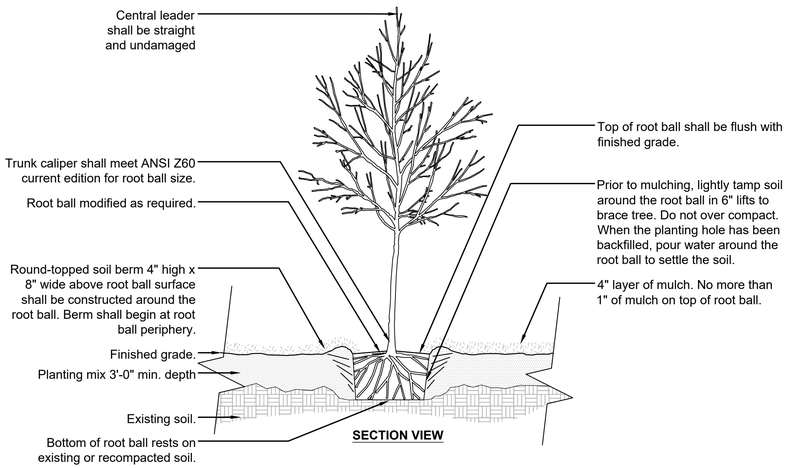
4 TREE PROTECTION FENCE

SCALE: NTS



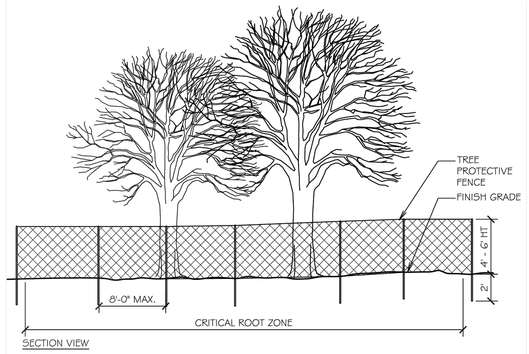
2 TREE STAKING DETAIL

SCALE: NTS



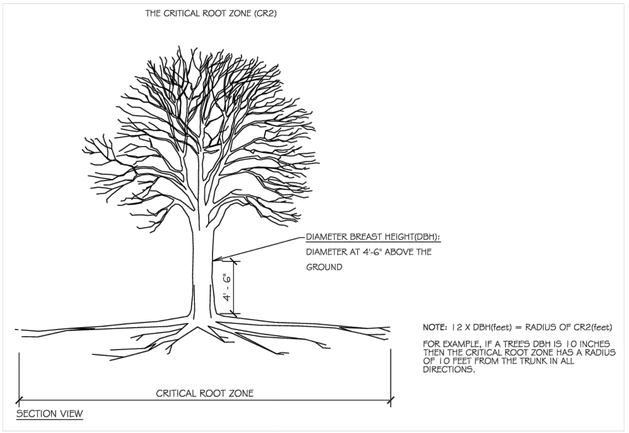
3 TREE PLANTING DETAIL

SCALE: NTS



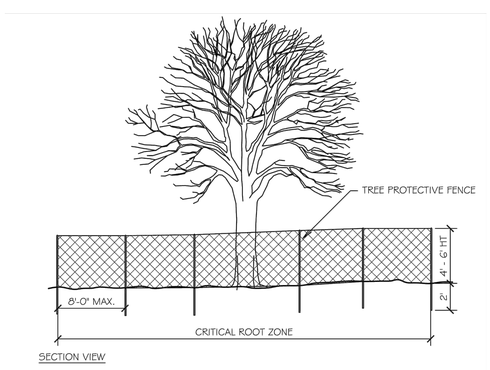
5 TREE PROTECTION FENCE FOR GROVES

SCALE: NTS



6 CALCULATING CRITICAL ROOT ZONE

SCALE: NTS



7 TREE PROTECTION FENCE AT CRITICAL ROOT ZONE

SCALE: NTS

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002958
STATE OF NEW YORK

FOR AND ON BEHALF OF WARE MALCOMB

MAJOR SITE PLAN APPLICATION
CITI - CROSSPOINT EXPANSION
3750 MILLERSPORT HIGHWAY
AMHERST, NY 14068

LANDSCAPE DETAILS

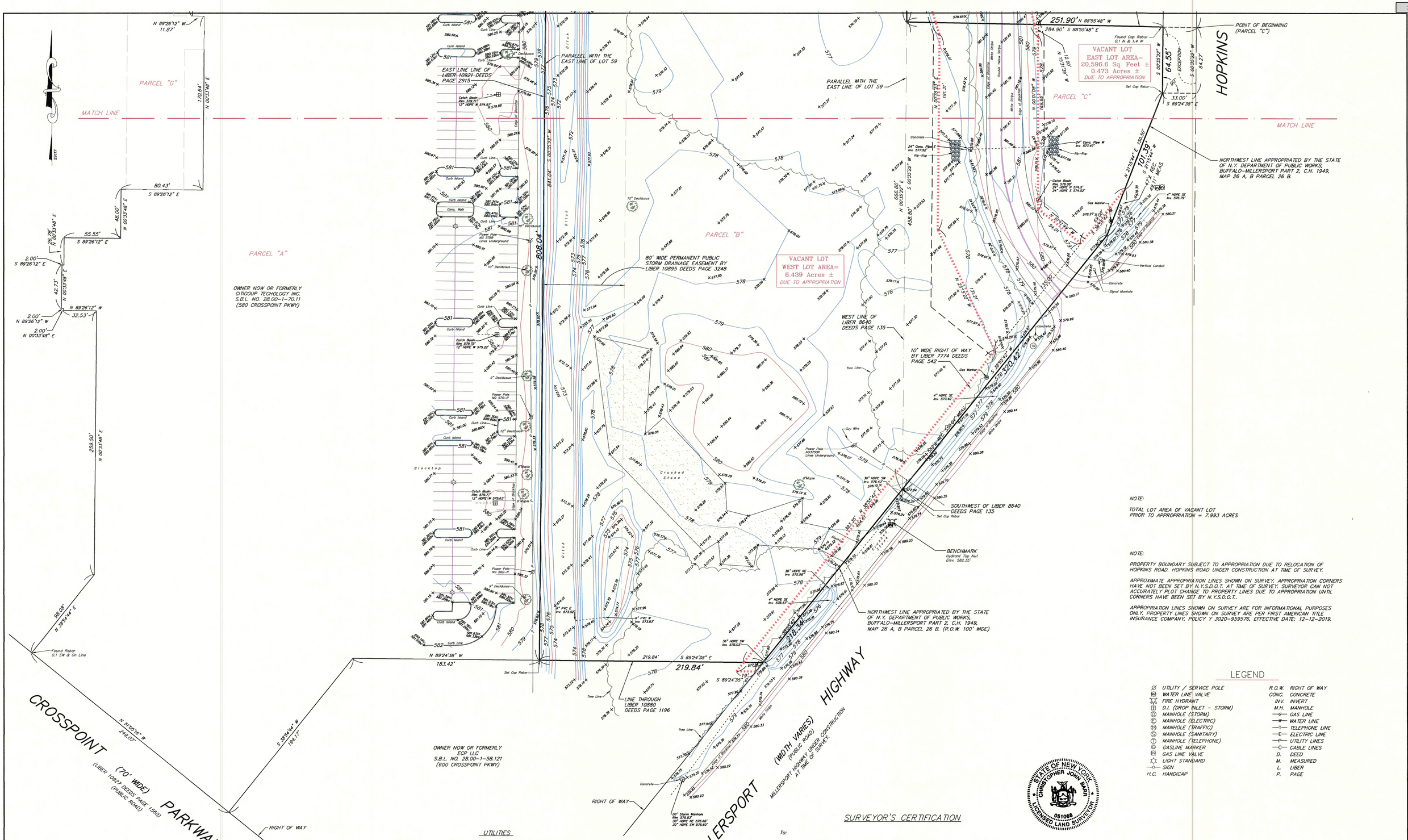
NO.	DATE	REMARKS
01	10/25/2024	REVISIONS PER TOWN COMMENTS

JOB NO.:	NYC24-4006
PA / PM:	S. PARTIN
DESIGNED:	S. PARTIN
DATE:	09/17/24
PLOT DATE:	10/22/24

SHEET
L-1.1
Sheet 22 of 22

NOT FOR CONSTRUCTION

Attachment: SP-2019-13A drawings_112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)



ELEVATION DATUM

ELEVATIONS ON THIS MAP WERE DETERMINED UTILIZING GPS DATUM: NAD83 (2011) STONEX S900 GPS UNIT (CONUS 12B GEOID) NAVD 88 VERTICAL DATUM

40 0 40 80 120
SCALE: 1"=40'

UTILITIES

The underground utilities shown have been located from field survey information & existing drawings. The surveyor makes no guarantee that the underground utilities shown comprise all such utilities in the area, either in service or abandoned. The surveyor further does not warrant that the underground utilities shown are in the exact location indicated although he does certify that they are located as accurately as possible from the information available. This surveyor has not physically located the underground utilities.

National Fuel Attn: Ed Kulpa (716) 857-7967	Time Warner Cable Attn: Chris Smith (800) 262-8600	Verizon Attn: Mark Granschow (716) 840-8656
Erie County Water Dept. Attn: Steve Denzler (716) 685-8289	N.Y.S. Electric & Gas Attn: Sam Ceppaglia (716) 651-5256	National Grid Attn: Roy Schultz (315) 428-6319

SURVEYOR'S CERTIFICATION

To:

This is to certify that this map or plat and the survey on which it is based were made in accordance with the 2021 Minimum Standard Detail Requirements for ALTA/NSPS Land Title Surveys, jointly established and adopted by ALTA and NSPS, and includes items 2,3,4,5,7(a),7(b)(1),8,9,13 & 14 of Table A thereof. The field work was completed on 9-9-24.

Date of Plat or Map: 9-19-24

Christopher J. Barr Registration No. 051068

STATE OF NEW YORK CHRISTOPHER JOHN BARR 051068 LICENSED LAND SURVEYOR

NOTE:

TOTAL LOT AREA OF VACANT LOT PRIOR TO APPROPRIATION = 7.993 ACRES

NOTE:

PROPERTY BOUNDARY SUBJECT TO APPROPRIATION DUE TO RELOCATION OF HOPKINS ROAD. HOPKINS ROAD UNDER CONSTRUCTION AT TIME OF SURVEY.

APPROXIMATE APPROPRIATION LINES SHOWN ON SURVEY. APPROPRIATION CORNERS HAVE NOT BEEN SET BY N.Y.S.D.O.T. AT TIME OF SURVEY. SURVEYOR CAN NOT ACCURATELY PLOT CHANGE TO PROPERTY LINES DUE TO APPROPRIATION UNTIL CORNERS HAVE BEEN SET BY N.Y.S.D.O.T..

APPROPRIATION LINES SHOWN ON SURVEY ARE FOR INFORMATIONAL PURPOSES ONLY. PROPERTY LINES SHOWN ON SURVEY ARE PER FIRST AMERICAN TITLE INSURANCE COMPANY, POLICY Y 3020-939576, EFFECTIVE DATE: 12-12-2019.

LEGEND

∅	UTILITY / SERVICE POLE	R.O.W.	RIGHT OF WAY
WV	WATER LINE VALVE	CONC.	CONCRETE
FH	FIRE HYDRANT	INV.	INVERT
D.I.	D.I. (DROP INLET - STORM)	M.H.	MANHOLE
(D)	MANHOLE (STORM)	—G—	GAS LINE
(E)	MANHOLE (ELECTRIC)	—W—	WATER LINE
(TR)	MANHOLE (TRAFFIC)	—T—	TELEPHONE LINE
(S)	MANHOLE (SANITARY)	—E—	ELECTRIC LINE
(T)	MANHOLE (TELEPHONE)	—P—	UTILITY LINES
(G)	GASLINE MARKER	—C—	CABLE LINES
GV	GAS LINE VALVE	D.	DEED
	LIGHT STANDARD	M.	MEASURED
—o—	SIGN	L.	LIBER
H.C.	HANDICAP	P.	PAGE

SHEET 1 OF 3

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TRUE NORTH LAND SURVEYING, PLLC
150 AERO DRIVE
BUFFALO, NEW YORK 14225
(716)631-5140 ~ Truenorthpllc@aol.com

AMEND:
SURVEY DATE: 9-13-24
©DRAWING DATE: 9-19-24
SCALE: 1" = 40'
"ALL RIGHTS RESERVED"

ALTA/NSPS LAND TITLE SURVEY

PART OF LOT 59 SECTION ____ TOWNSHIP 12 RANGE 7 OF THE: Holland Land Company's SURVEY- Erie COUNTY, N.Y.

SURVEY OF: 3750 Millersport Highway, Town of Amherst

THIS MAP VOID UNLESS EMBOSSED WITH NEW YORK STATE LICENSED LAND SURVEYOR'S SEAL. ALTERING ANY ITEM ON THIS MAP IS A VIOLATION OF THE LAW EXCEPT AS PROVIDED IN SECTION 7209, PART 2, OF THE NEW YORK STATE EDUCATION LAW.

SBL No. 28.00-1-58.111

Attachment: SP-2019-13A drawings 112124 (29459 : SP-2019-13 A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

40 0 40 80 120
SCALE: 1"=40'

LEGEND

- UTILITY / SERVICE POLE
- WATER LINE VALVE
- FIRE HYDRANT
- D.I. (DROP INLET – STORM)
- MANHOLE (STORM)
- MANHOLE (ELECTRIC)
- MANHOLE (TRAFFIC)
- MANHOLE (SANITARY)
- MANHOLE (TELEPHONE)
- GASLINE MARKER
- GAS LINE VALVE
- LIGHT STANDARD
- SIGN
- H.C. HANDICAP

- R.O.W. RIGHT OF WAY
- CONC. CONCRETE
- INV. INVERT
- M.H. MANHOLE
- GAS LINE
- WATER LINE
- TELEPHONE LINE
- ELECTRIC LINE
- UTILITY LINES
- CABLE LINES
- D. DEED
- M. MEASURED
- L. LIBER
- P. PAGE

ELEVATION DATUM

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UTILITIES

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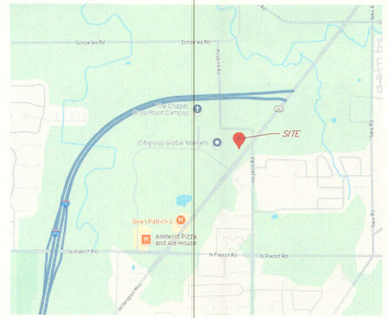

VICINITY MAP
Not To Scale

HOPKINS (66' WIDE) ROAD (PUBLIC ROAD)

POINT OF BEGINNING (PARCEL "A")
NORTHEAST OF LIBER 3722 DEEDS PAGE 440
NORTHWEST OF LIBER 289 DEEDS PAGE 38
POINT OF BEGINNING (PARCEL "B")
NORTHWEST OF LIBER 8640 DEEDS PAGE 135
NORTHEAST CORNER OF LOT 59
POINT OF BEGINNING (PARCEL "D")
EAST LINE OF LOT 59
NORTH LINE OF LOT 59
POINT OF BEGINNING (PARCEL "C")

BENCHMARK
Hydrant Top Nut
Elev. 582.17'

BENCHMARK
Hydrant Top Nut
Elev. 580.63'

PARCEL "A"
PARCEL "B"
PARCEL "C"
PARCEL "D"
PARCEL "F"

OWNER NOW OR FORMERLY CITIGOUP TECHOLOGY INC. S.B.L. NO. 28.00–1–70.11 (580 CROSSPOINT PKWY)

OWNER NOW OR FORMERLY CITIGOUP, TECHOLOGY INC. S.B.L. NO. 28.00–1–58.22 (2360 HOPKINS ROAD)

Found Cap Rebar
347.19' S 88°55'48" E
EXCEPTION
RIGHT OF WAY
355.30'
320'± REC. 330.96' MEAS.
N 88°55'48" W 578.38
Set Cap Rebar
N 01°31'39" W 175.00'
S 01°31'39" E 208.00'
S 01°03'52" E 208.00'
284.90' N 88°55'48" W
284.90' S 88°55'48" E
251.90' N 88°55'48" W
S 01°03'52" E 764.55'
S 01°03'52" E 64.27'
33.00' S 89°24'38" E
N 89°26'12" W 11.87'
215.20' N 00°33'48" E
170.64' N 00°33'48" E
80.43' S 89°26'12" E
48.00' N 00°33'48" E
55.55' S 89°26'12" E
26.78' N 00°33'48" E
2.00' S 89°26'12" E
42.73' N 00°33'48" E
N 89°26'12" W 32.53'
2.00' N 89°26'12" W
2.00' N 00°33'48" E
259.50' N 00°33'48" E
808.04' S 00°35'22" W
841.04' S 00°35'22" W
666.80' N 00°35'22" E
458.80' N 00°35'22" E
191.31' N 00°35'22" E
131.21' N 25°37'22" W
101.39' S 21°10'34" W REC. 47.11' MEAS.
N 21°10'34" E 150.50'
N 00°31'08" W 150.50'
N 01°31'39" W 150.50'
TEMPORARY EASEMENT BY THE PEOPLE OF THE STATE OF NEW YORK BY MAP NO. 160, PARCEL 189 (LIBER 11430 DEEDS PAGE 4977)
TEMPORARY EASEMENT BY THE PEOPLE OF THE STATE OF NEW YORK BY MAP NO. 160, PARCEL 190 (LIBER 11430 DEEDS PAGE 4977)
APPROPRIATION OF PROPERTY BY THE PEOPLE OF THE STATE OF NEW YORK BY MAP NO. 159, PARCEL 188 (LIBER 11430 DEEDS PAGE 4977)
PARALLEL WITH THE EAST LINE OF LOT 59
EAST LINE LINE OF LIBER 10921 DEEDS PAGE 2915
80' WIDE PERMANENT PUBLIC STORM DRAINAGE EASEMENT BY LIBER 10895 DEEDS PAGE 3248
10' WIDE RIGHT OF WAY BY LIBER 7774 DEEDS PAGE 542
WEST LINE OF LIBER 8640 DEEDS PAGE 135
NORTHWEST LINE APPROPRIATED BY THE STATE OF N.Y. DEPARTMENT OF PUBLIC WORKS, BUFFALO–MILLERSPORT PART 2, C.H. 1949, MAP 26 A, B PARCEL 26 B.
MATCH LINE
MATCH LINE

VACANT LOT
EAST LOT AREA=
20,596.6 Sq. Feet ±
0.473 Acres ±
DUE TO APPROPRIATION

VACANT LOT
WEST LOT AREA=
6.439 Acres ±
DUE TO APPROPRIATION

Blacktop
Curb Line
Curb Island
Concrete Drive
Concrete Walk
Edge of Blacktop
Tree Line
Ditch
Double Yellow Stripe
White Stripe
Guard Rail
Power Pole
Overhead Utility Lines Typical
Power Pole NG 2401 Lines Underground
Power Pole NG 2405 With Transformer
Power Pole NG 2417
Power Pole NG 2419
Power Pole NG 2420
Power Pole NG 5786 Lines Underground
Power Pole NG 5787 Lines Underground
Power Pole NG 5788 Lines Underground
Power Pole NG 5789 Lines Underground
Power Pole NG 5790 Lines Underground
Power Pole NG 5791 Lines Underground
Power Pole NG 5792 Lines Underground
Power Pole NG 5793 Lines Underground
Power Pole NG 5795 Lines Underground
Power Pole NG 5796 Lines Underground
Power Pole NG 5797 Lines Underground
Power Pole NG 5798 Lines Underground
Power Pole NG 5799 Lines Underground
Power Pole NG 5800 Lines Underground
Power Pole NG

SCHEDULE "A"
FIRST AMERICAN TITLE INSURANCE COMPANY
Policy No. Y 3020-959576
EFFECTIVE DATE: 12-12-2019

PARCEL A

ALL THAT TRACT OR PARCEL OF LAND SITUATE IN THE TOWN OF AMHERST, COUNTY OF ERIE AND STATE OF NEW YORK, BEING PART OF LOT 59 TOWNSHIP 12, RANGE 7 OF THE HOLLAND LAND COMPANY'S SURVEY, BEING BOUNDED AND DESCRIBED AS FOLLOWS:
BEGINNING AT THE NORTHEASTERLY CORNER OF LANDS CONVEYED TO JOHN E. LINDEMANN AND HERBERT E. LINDEMANN BY DEED DATED MARCH 1, 1945 AND RECORDED IN THE ERIE COUNTY CLERK'S OFFICE IN LIBER 3722 OF DEEDS AT PAGE 440, SAID POINT BEING ALSO THE NORTHWESTERLY CORNER OF LANDS OWNED BY WENDEL VOGELSANGER, ALSO KNOWN AS WENDEL FUGELSONGER BY DEED RECORDED IN THE ERIE COUNTY CLERK'S OFFICE IN LIBER 289 OF DEEDS AT PAGE 38, SAID POINT ALSO BEING IN THE CENTERLINE OF HOPKINS ROAD (NORTH LINE OF LOT 59);

THENCE SOUTHERLY ALONG THE EASTERLY LINE OF LINDERMANN AND EXTENDED ALONG THE EASTERLY LINE OF LANDS CONVEYED TO THE TOWN OF AMHERST INDUSTRIAL DEVELOPMENT AGENCY BY DEED FILED IN THE ERIE COUNTY CLERK'S OFFICE IN LIBER 10921 OF DEEDS AT PAGE 2915, SOUTH 00° 35' 22" WEST A DISTANCE OF 841.04 FEET TO A POINT;
THENCE NORTH 89° 24' 38" WEST A DISTANCE OF 183.42 FEET TO A POINT;
THENCE SOUTH 38° 54' 44" WEST A DISTANCE OF 194.17 FEET TO A POINT, SAID POINT BEING A POINT ON THE NORTH LINE OF CROSSPOINT PARKWAY BY DEED FILED IN THE ERIE COUNTY CLERK'S OFFICE IN LIBER 10927 OF DEEDS AT PAGE 1560;
THENCE ALONG THE NORTHERLY RIGHT OF WAY OF CROSSPOINT PARKWAY, NORTH 51° 05' 16" WEST A DISTANCE OF 249.07 FEET TO A POINT;
THENCE NORTH 38° 54' 44" EAST A DISTANCE OF 98.08 FEET TO A POINT;
THENCE NORTH 00° 33' 48" EAST A DISTANCE OF 259.50 FEET TO A POINT;
THENCE NORTH 89° 26' 12" WEST A DISTANCE OF 32.53 FEET TO A POINT ON THE EXISTING CONCRETE FOUNDATION OF 540 CROSSPOINT;
THENCE NORTH 00° 33' 48" EAST, ALONG THE CONCRETE FOUNDATION A DISTANCE OF 2.00 FEET TO A POINT;
THENCE NORTH 89° 26' 12" WEST ALONG THE CONCRETE FOUNDATION A DISTANCE OF 2.00 FEET TO A POINT;
THENCE NORTH 00° 33' 48" EAST ALONG THE CONCRETE FOUNDATION A DISTANCE OF 42.73 FEET TO A POINT;
THENCE SOUTH 89° 26' 12" EAST ALONG THE CONCRETE FOUNDATION A DISTANCE OF 2.00 FEET TO A POINT;
THENCE NORTH 00° 33' 48" EAST A DISTANCE OF 26.78 FEET TO A POINT;
THENCE SOUTH 89° 26' 12" EAST A DISTANCE OF 55.55 FEET TO A POINT;
THENCE NORTH 00° 33' 48" EAST A DISTANCE OF 48.00 FEET TO A POINT;
THENCE SOUTH 89° 26' 12" EAST A DISTANCE OF 80.43 FEET TO A POINT;
THENCE NORTH 00° 33' 48" EAST A DISTANCE OF 170.64 FEET TO A POINT;
THENCE NORTH 89° 26' 12" WEST A DISTANCE OF 11.87 FEET TO A POINT;
THENCE NORTH 00° 33' 48" EAST A DISTANCE OF 215.20 FEET TO THE NORTH LINE OF LOT 59 AND THE EXTENSION OF THE CENTER LINE OF HOPKINS ROAD EXTENDED;
THENCE SOUTH 88° 55' 48" EAST ALONG THE NORTH LINE OF LOT 59 AND THE CENTER LINE OF SAID HOPKINS ROAD A DISTANCE OF 347.19 FEET TO THE POINT OR PLACE OF BEGINNING.
EXCEPTING THEREFROM ANY PORTION OF PREMISES LYING IN THE BOUNDS OF HOPKINS ROAD.

PARCEL B

ALL THAT TRACT OR PARCEL OF LAND, SITUATE IN THE TOWN OF AMHERST, COUNTY OF ERIE, STATE OF NEW YORK, BEING PART OF LOT NUMBER 59, TOWNSHIP 12, RANGE 7 OF THE HOLLAND LAND COMPANY'S SURVEY, DESCRIBED AS FOLLOWS:
BEGINNING AT A POINT IN THE NORTH LINE OF LOT NUMBER 59, SAID POINT BEING THE NORTHWEST CORNER OF LANDS DEEDED FROM MILL-HOP LAND CORP. TO VLOGGY HELFFENSTEIN AND LAURINE KAESELAU IN DEED FILED IN THE ERIE COUNTY CLERK'S OFFICE IN LIBER 8640, PAGE 135, WHICH POINT IS DISTANT 284.90 FEET WEST OF THE NORTHEAST CORNER OF SAID LOT NUMBER 59;
THENCE WESTERLY ALONG THE CENTER LINE OF HOPKINS ROAD AND THE NORTH LINE OF LOT 59 NORTH 88° 55' 48" WEST, A DISTANCE OF 355.30 FEET TO THE NORTHWEST CORNER OF LANDS CONVEYED TO WENDLE VOGELSANGER BY DEED FILED IN THE ERIE COUNTY CLERK'S OFFICE IN LIBER 289 OF DEEDS AT PAGE 38;
THENCE SOUTH 00° 35' 22" WEST AND PARALLEL WITH THE EASTERLY LINE OF SAID LOT NUMBER 59, SAID LINE BEING THE EASTERLY LINE OF LANDS CONVEYED TO THE TOWN OF AMHERST INDUSTRIAL DEVELOPMENT AGENCY BY LIBER 10921 AT PAGE 2915, A DISTANCE OF 841.04 FEET TO A POINT;
THENCE SOUTH 89° 24' 38" EAST AND THROUGH THE LANDS CONVEYED TO THE ASBURY UNITED METHODIST CHURCH OF AMHERST IN LIBER 10880 OF DEEDS AT PAGE 1196 A DISTANCE OF 219.84 FEET TO A POINT IN THE NORTHWESTERLY LINE OF MILLERSPORT HIGHWAY AS APPROPRIATED BY THE STATE OF NEW YORK DEPARTMENT OF PUBLIC WORKS, BUFFALO – MILLERSPORT PART 2, C.H. 1949, MAP 26 A, B PARCEL 26 B;
THENCE NORTHEASTERLY ALONG THE NORTHWESTERLY LINE OF MILLERSPORT HIGHWAY AS APPROPRIATED BY THE STATE OF NEW YORK DEPARTMENT OF PUBLIC WORKS, BUFFALO – MILLERSPORT PART 2, C.H. 1949, MAP NO. 26 A, B PARCEL NO. 26 B, NORTH 38° 55' 42" EAST (AS A HIGHWAY 100 FEET WIDE) A DISTANCE OF 218.34 FEET TO THE SOUTHWEST CORNER OF LANDS DEEDED FROM MILL-HOP LAND CORP. TO VLOGGY HELFFENSTEIN AND LAURINE KAESELAU IN DEED FILED IN ERIE COUNTY CLERK'S OFFICE LIBER 8640, PAGE 135;
THENCE NORTHERLY AND ALONG THE WEST LINE OF PROPERTY DEEDED IN LIBER 8640, PAGE 135 AS AFORESAID NORTH 00° 35' 22" EAST A DISTANCE OF 666.80 FEET TO THE POINT OR PLACE OF BEGINNING.
EXCEPTING THEREFROM ANY PORTION OF PREMISES LYING IN THE BOUNDS OF HOPKINS ROAD.

PARCEL C

ALL THAT TRACT OR PARCEL OF LAND, SITUATE IN THE TOWN OF AMHERST, COUNTY OF ERIE, STATE OF NEW YORK, BEING PART OF LOT NUMBER 59, TOWNSHIP 12, RANGE 7 OF THE HOLLAND LAND COMPANY'S SURVEY, DESCRIBED AS FOLLOWS:
COMMENCING AT THE NORTHEAST CORNER OF LOT NUMBER 59, SAID POINT ALSO BEING AN ANGLE POINT IN THE CENTER LINE OF HOPKINS ROAD,
THENCE SOUTHERLY ALONG THE CENTERLINE OF HOPKINS ROAD AND THE EAST LINE OF LOT NUMBER 59 SOUTH 00° 35' 22" WEST A DISTANCE OF 208.00 FEET TO THE POINT OR PLACE OF BEGINNING;
THENCE WESTERLY AND PARALLEL TO THE NORTH LINE OF LOT NUMBER 59 NORTH 88° 55' 48" WEST A DISTANCE OF 284.90 FEET TO A POINT ON THE WEST LINE OF LANDS DEEDED FROM MILL-HOP LAND CORP. TO VLOGGY HELFFENSTEIN AND LAURINE KAESELAU IN DEED FILED IN ERIE COUNTY CLERK'S OFFICE IN LIBER 8640, PAGE 135;
THENCE SOUTH 00° 35' 22" WEST ALONG THE WEST LINE OF LANDS DEEDED FROM MILL-HOP LAND CORP. TO VLOGGY HELFFENSTEIN AND LAURINE KAESELAU IN DEED LIBER 8640, PAGE 135 AND PARALLEL WITH THE EASTERLY LINE OF SAID LOT NUMBER 59 A DISTANCE OF 458.80 FEET THE NORTHWESTERLY LINE OF MILLERSPORT HIGHWAY AS APPROPRIATED BY THE STATE OF NEW YORK DEPARTMENT OF PUBLIC WORKS, BUFFALO –MILLERSPORT PART 2, C.H. 1949, MAP NO. 26 A, B PARCEL NO. 26 B, NORTH 38° 55'42" EAST (AS A HIGHWAY 100 FEET WIDE) A DISTANCE OF 218.34 FEET TO THE SOUTHWEST CORNER OF LANDS DEEDED FROM MILL-HOP LAND CORP. TO VLOGGY HELFFENSTEIN AND LAURINE KAESELAU IN DEED LIBER 8640, PAGE 135;
THENCE NORTHEASTERLY ALONG THE NORTHWESTERLY LINE OF MILLERSPORT HIGHWAY AS APPROPRIATED BY THE STATE OF NEW YORK DEPARTMENT OF PUBLIC WORKS, BUFFALO – MILLERSPORT PART 2, C.H. 1949, MAP NO. 26 A, B PARCEL NO. 26 B, NORTH 38° 55' 42" EAST (AS A HIGHWAY 100 FEET WIDE) A DISTANCE OF 320.42 FEET TO AN ANGLE THEREIN;
THENCE CONTINUING NORTHEASTERLY ALONG THE NORTHWESTERLY LINE OF MILLERSPORT HIGHWAY AS APPROPRIATED BY THE STATE OF NEW YORK DEPARTMENT OF PUBLIC WORKS, BUFFALO –MILLERSPORT PART 2, C.H. 1949, MAP NO. 26 A, B PARCEL NO. 26 B, NORTH 21° 15' 44" EAST A DISTANCE OF 150.50 FEET TO A POINT ON THE WESTERLY LINE OF HOPKINS ROAD AS A 66 FOOT WIDE HIGHWAY;
THENCE EASTERLY AT RIGHT ANGLE TO THE WEST LINE OF HOPKINS ROAD SOUTH 89° 24' 38" EAST A DISTANCE OF 33.0 FEET TO A POINT ON THE CENTERLINE OF HOPKINS ROAD AND THE EAST LINE OF LOT 59, TOWNSHIP 12, RANGE 7;
THENCE NORTHERLY AND ALONG THE CENTERLINE OF HOPKINS ROAD AND THE EAST LINE OF LOT 59, TOWNSHIP 12, RANGE 7, NORTH 00° 35' 22" EAST A DISTANCE OF 64.35 FEET, MORE OR LESS, TO THE POINT OR PLACE OF BEGINNING.
EXCEPTING THEREFROM ANY PORTION OF PREMISES LYING IN THE BOUNDS OF HOPKINS ROAD.

PARCEL D

ALL THAT TRACT OR PARCEL OF LAND, SITUATE IN THE TOWN OF AMHERST, COUNTY OF ERIE, STATE OF NEW YORK, BEING PART OF LOT NUMBER 59, TOWNSHIP 12, RANGE 7 OF THE HOLLAND LAND COMPANY'S SURVEY, DESCRIBED AS FOLLOWS:
BEGINNING AT THE NORTHEAST CORNER OF LOT 59, TOWNSHIP 12, RANGE 7, SAID POINT BEING AN ANGLE POINT IN THE CENTERLINE OF HOPKINS ROAD;
THENCE WESTERLY ALONG THE NORTH LINE OF LOT 59, TOWNSHIP 12, RANGE 7 AND THE CENTERLINE OF HOPKINS ROAD NORTH 88° 55' 48" WEST A DISTANCE 284.90 FEET TO THE NORTHWEST CORNER OF LANDS DEEDED FROM MILL-HOP LAND CORP. TO VLOGGY HELFFENSTEIN AND LAURINE KAESELAU IN DEED FILED IN ERIE COUNTY CLERK'S OFFICE UNDER LIBER 8640, PAGE 135;
THENCE SOUTH 00° 35' 22" WEST ALONG THE WEST LINE OF LANDS DEEDED FROM MILL-HOP LAND CORP. TO VLOGGY HELFFENSTEIN AND LAURINE KAESELAU IN DEED LIBER 8640, PAGE 135 AND PARALLEL WITH THE EASTERLY LINE OF SAID LOT NUMBER 59 A DISTANCE OF 208.00 FEET TO A POINT;
THENCE EASTERLY AND PARALLEL TO THE NORTH LINE OF LOT NUMBER 59 SOUTH 88° 55' 48" EAST A DISTANCE OF 284.90 FEET TO A POINT ON THE TO A POINT ON THE CENTERLINE OF HOPKINS ROAD AND THE EAST LINE OF LOT 59, TOWNSHIP 12, RANGE 7;
THENCE NORTHERLY AND ALONG THE CENTERLINE OF HOPKINS ROAD AND THE EAST LINE OF LOT 59, TOWNSHIP 12, RANGE 7, NORTH 00° 35' 22" EAST A DISTANCE OF 208.00 FEET, MORE OR LESS, TO THE POINT OR PLACE OF BEGINNING.
EXCEPTING THEREFROM ANY PORTION OF PREMISES LYING IN THE BOUNDS OF HOPKINS ROAD.

PARCEL E (EASEMENT)

ALL THAT TRACT OR PARCEL OF LAND, SITUATE IN THE TOWN OF AMHERST, COUNTY OF ERIE, STATE OF NEW YORK, BEING PART OF LOT NOS. 52 AND 59, TOWNSHIPS 13 AND 12 (RESPECTIVELY), RANGE 7 OF THE HOLLAND LAND COMPANY'S SURVEY, DESCRIBED AS FOLLOWS:
BEGINNING AT A POINT ON THE SOUTH LINE OF LOT 52 AND THE NORTH LINE OF LOT 59 DISTANT 1,569.23 FEET WESTERLY FROM THE NORTHEAST CORNER OF LOT 59;
THENCE SOUTH 00° 35' 22" WEST, A DISTANCE OF 607.71 FEET TO A POINT ON THE NORTHERLY LINE OF CROSS POINT PARKWAY, AS DEDICATED TO THE TOWN OF AMHERST BY DEED FILED IN THE ERIE COUNTY CLERK'S OFFICE IN LIBER 10927 OF DEEDS AT PAGE 1560;
THENCE NORTHWESTERLY ALONG THE SAID NORTHERLY LINE OF CROSS POINT PARKWAY CURVING TO THE LEFT, HAVING A RADIUS OF 835.00 FEET AND AN ARC DISTANCE OF 71.27 FEET, WITH A CHORD BEARING AND DISTANCE OF NORTH 78° 39' 18" WEST, 71.25 FEET;
THENCE NORTH 00° 35' 22" EAST, A DISTANCE OF 595.00 FEET TO A POINT ON THE NORTH LINE OF LOT 59;
THENCE SOUTH 88° 55' 48" EAST ALONG THE SAID NORTHERLY LINE OF LOT 59, A DISTANCE OF 70.00 FEET TO THE POINT OR PLACE OF BEGINNING.

PARCEL F (EASEMENT)

ALL THAT TRACT OR PARCEL OF LAND SITUATE IN THE TOWN OF AMHERST, COUNTY OF ERIE, STATE OF NEW YORK, BEING PART OF LOTS NOS. 52 AND 59, TOWNSHIP 13 AND 12 (RESPECTIVELY), RANGE 7 OF THE HOLLAND LAND COMPANY'S SURVEY, DESRIBED AS FOLLOWS:
BEGINNING AT A POINT ON THE SOUTH LINE OF LOT 52 AND THE NORTH LINE OF LOT 59, DISTANT 1006.08 FEET WESTERLY TO THE NORTH EAST CORNER OF LOT 59;
THENCE N 00° 33'48"E, A DISTANCE OF 54.00 FEET TO A POINT;
THENCE PARALLEL TO THE NORTH LINE OF LOT 59 AND SOUTH LINE OF LOT 52 N 88°55'48"W, A DISTANCE OF 633.16 FEET TO A POINT;
THENCE S 00°33'48"W A DISTANCE OF 54.00 FEET TO A POINT ON THE SOUTH LINE OF LOT 52 AND NORTH LINE OF LOT 59;
THENCE EASTERLY ALONG THE SOUTH LINE OF LOT 52 AND THE NORTH LINE OF LOT 59 S88°55'48"E, A DISTANCE OF 70.00 FEET TO A POINT;
THENCE N 52° 21'40"E, A DISTANCE OF 38.38 FEET TO A POINT;
THENCE PARALLEL TO THE SOUTH LINE OF LOT 52 AND THE NORTH LINE OF LOT 59 S 88°55'48"E, A DISTANCE OF 475.89 FEET TO A POINT;
THENCE S 26° 06'05"E A DISTANCE OF 26.98 FEET TO A POINT ON THE SOUTH LINE OF LOT 52 AND THE NORTH LINE OF LOT 59;
THENCE EASTERLY ALONG THE SOUTH LINE OF LOT 52 AND THE NORTH LINE OF LOT 59 S 88°55'48"E A DISTANCE OF 45.00 FEET TO THE POINT OR PLACE OF BEGINNING.

PARCEL G (EASEMENT)

ALL THAT TRACT OR PARCEL OF LAND SITUATE IN THE TOWN OF AMHERST, COUNTY OF ERIE, STATE OF NEW YORK, BEING PART OF LOT NOS. 52 AND 59, TOWNSHIP 13 AND 12 (RESPECTIVELY), RANGE 7 OF THE HOLLAND LAND COMPANY'S SURVEY, DESCRIBED AS FOLLOWS:
BEGINNING AT A POINT ON THE SOUTH LINE OF LOT 52 AND THE NORTH LINE OF LOT 59, DISTANT 1006.08 FEET WESTERLY THE NORTH EAST CORNER OF LOT 59;
THENCE SOUTH 00° 33' 48" WEST, A DISTANCE OF 80.00 FEET TO A POINT;
THENCE SOUTH 89° 26' 12" EAST A DISTANCE OF 18.69 FEET TO A POINT;
THENCE SOUTH 00° 33' 48" WEST, A DISTANCE OF 24.00 FEET TO A POINT;
THENCE NORTH 89° 26' 12" WEST A DISTANCE OF 18.69 FEET TO A POINT;
THENCE SOUTH 00° 33' 48" WEST, A DISTANCE OF 111.36 FEET TO A POINT;
THENCE SOUTH 89° 26' 12" EAST A DISTANCE OF 30.56 FEET TO A POINT;
THENCE SOUTH 00° 33' 48" WEST, A DISTANCE OF 32.38 FEET TO A POINT;
THENCE NORTH 89° 26' 12" WEST A DISTANCE OF 18.90 FEET TO A POINT;
THENCE SOUTH 00° 33' 48" WEST, A DISTANCE OF 138.26 FEET TO A POINT;
THENCE NORTH 89° 26' 12" WEST A DISTANCE OF 56.66 FEET TO A POINT;
THENCE NORTH 00° 33' 48" EAST, A DISTANCE OF 386.40 FEET TO A POINT ON THE SOUTH LINE
OF LOT 52 AND THE NORTH LINE LOT 59;
THENCE EASTERLY ALONG THE SOUTH LINE OF LOT 52 AND THE NORTH LINE OF LOT 59 SOUTH
88° 55' 48" EAST A DISTANCE OF 45.00 FEET TO THE POINT OR PLACE OF BEGINNING.

SCHEDULE "B"
FIRST AMERICAN TITLE INSURANCE COMPANY
Policy No. Y 3020-959576
EFFECTIVE DATE: 12-12-2019

7. Declaration of Easements and Covenants, together with provisions for maintenance, by and between Metropolitan Chapel of Buffalo and The Uniland Partnership of Delaware L.P. dated 6/4/2003 and recorded 8/1/2003 in Liber 11049 of Deeds, page 2642 (affects Parcel A).

9. Right of Way Easement made by The Independent Union Telephone Company dated 4/30/1903 and recorded 11/12/1906 in Liber 1054 of Deeds, page 553 (affects Parcel A).

11. Electric and Telephone Easement granted to Niagara Mohawk Power Corporation and New York Telephone Company recorded 6/28/1961 in Liber 6670 of Deeds, page 589 (affects Parcels C and D). (Easement for service pole line no longer on Parcels C and D)

12. Easement granted to New York Telephone Company recorded 10/20/1970 in Liber 7736 of Deeds, page 289 (affects Parcels C and D). (Exact location unknown, unable to plot.)

13. Right of Way granted to Iroquois Gas Corporation recorded 3/4/1971 in Liber 7774 of Deeds, page 542 as assigned by Assignment of Interest to National Fuel Gas Distribution Corporation dated 6/25/1974, effective 7/1/1974 and recorded 7/18/1974 in Liber 8189 of Deeds, page 13 (affects Parcels B, C and D). (Plotted on Drawing)

15. Easement granted to Town of Amherst dated 11/28/1995 and recorded 12/21/1995 in Liber 10895 of Deeds, page 3248 (affects Parcel B). (Plotted on Drawing)

16. Permanent Public Sanitary Sewer Easement made by and between The Town of Amherst Industrial Development Agency and the Uniland Partnership L.P. to the Town of Amherst dated 5/5/1998 and recorded 6/4/1998 in Liber 10933 of Deeds, page 7521 (affects Parcel A).

17. Utility Easement Agreement made by and between The Town of Amherst Industrial Development Agency and the Uniland Partnership of Delaware, L.P. to Niagara Mohawk Power Corporation dated 10/6/1999 and recorded 10/12/1999 in Liber 10958 of Deeds, page 3455 (affects Parcel A).

18. Reciprocal Access Easement by The Uniland Partnership of Delaware L.P., recorded 1/29/2003 in Liber 11027 of Deeds, page 7192. (affects Parcel A)

20. Declaration of Easements for Reciprocal Parking, Ingress and Egress made by and between the Uniland Partnership of Delaware L.P. and the Metropolitan Chapel of Buffalo with consents of the Town of Amherst Industrial Development Agency and Reliance Trust Company dated 7/20/2005 and recorded 9/29/2005 in Liber 11102 of Deeds, page 806; which was amended by a First Amendment to Declaration of Easements for Reciprocal Parking, Ingress and Egress, dated 10/17/2013, recorded 12/30/2013 in the Office of the County Clerk, Erie County in Liber 11258, Page 4648; which was further amended by a Second Amendment to Declaration of Easements for Reciprocal Parking, Ingress and Egress, dated 04/24/2017, recorded 04/24/2017 in the Office of the County Clerk, Erie County in Liber 11312, Page 3021; which is being further amended and restated by that certain Amended and Restated Declaration of Easements for Reciprocal Parking, Ingress and Egress made by and between Uniland Development I, LLC and The Metropolitan Chapel of Buffalo (now known as The chapel at Crosspoint) dated 09/--/2019 and to be duly recorded in the Office of the County Clerk, Erie County. (affects Parcel A)

23. Grant of Easement made by and between The Town of Amherst Industrial Development Agency and Uniland Partnership of Delaware, L.P. to Niagara Mohawk Power Corporation dated 5/16/2006 and recorded 8/1/2006 in Liber 11117 of Deeds, page 1691 (affects Parcel A and Parcel G).

25. Grant of Easement made by and between The Uniland Partnership of Delaware, L.P. and The Town of Amherst Industrial Development Agency to Niagara Mohawk Power Corporation dated 10/30/2007 and recorded 11/13/2007 in Liber 11137 of Deeds, page 1043 (affects Parcel A).

26. Easement and Connector Building Agreement by and between Uniland Development I, LLC and Town of Amherst Industrial Development Agency dated 1/26/2009 and recorded 2/6/2009 in Liber 11155 of Deeds, page 2172 (affects Parcel A).

27. Grant of Easement to Niagara Mohawk Power Corporation dated 10/18/2010 and recorded 2/16/2011 in Liber 11198 of Deeds, page 6071 (affects Parcel A).

47. Declaration of Easements for Ingress and Egress (East-West Easement) by and bewteen Uniland Development I, LLC and Metropolitan Chapel of Buffalo, dated 12/--/2019, duly recorded in the Erie County Clerk's Office.

NOTES

THERE WAS RECENT EVIDENCE OF CONSTRUCTION FOR RELOCATION OF HOPKINS ROAD.

THE PARCEL HAS DIRECT ACCESS TO MILLERSPORT HIGHWAY, A PUBLIC HIGHWAY & HOPKINS ROAD, A PUBLIC HIGHWAY.

NO ENCROACHMENTS.

PARKING SPACES

0 REGULAR SPACES

0 HANDICAP SPACES

0 TOTAL SPACES

FLOOD ZONE

PREMISES LIES WITHIN ZONE "X" AREA OF MINIMAL FLOOD HAZARD. FLOOD PLAIN PER F.E.M.A. FLOOD INSURANCE RATE MAP No. 36029C 0009BH, JUNE-7-2021 (TOWN OF AMHERST)

SURVEYOR'S CERTIFICATION

To:

This is to certify that this map or plat and the survey on which it is based were made in accordance with the 2021 Minimum Standard Detail Requirements for ALTA/NSPS Land Title Surveys, jointly established and adopted by ALTA and NSPS, and includes items 2,3,4,5,7(a),7(b)(1),8,9,13 & 14 of Table A thereof. The field work was completed on 9-9-24.

Date of Plot or Map: 9-19-24

Christopher J. Barr Registration No. 051068

STATE OF NEW YORK CHRISTOPHER JOHN BARR 051068 LICENSED LAND SURVEYOR



40 0 40 80 120
SCALE: 1"=40'

LEGEND

∅	UTILITY / SERVICE POLE	R.O.W.	RIGHT OF WAY
WV	WATER LINE VALVE	CONC.	CONCRETE
FH	FIRE HYDRANT	INV.	INVERT
D.I.	D.I. (DROP INLET – STORM)	M.H.	MANHOLE
D	MANHOLE (STORM)	G	GAS LINE
E	MANHOLE (ELECTRIC)	W	WATER LINE
TR	MANHOLE (TRAFFIC)	T	TELEPHONE LINE
S	MANHOLE ('SANITARY)	E	ELECTRIC LINE
T	MANHOLE (TELEPHONE)	UP	UTILITY LINES
G	GASLINE MARKER	C	CABLE LINES
WV	GAS LINE VALVE	D.	DEED
	LIGHT STANDARD	M.	MEASURED
	SIGN	L.	LIBER
H.C.	HANDICAP	P.	PAGE

SHEET 3 OF 3

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TRUE NORTH LAND SURVEYING, PLLC
150 AERO DRIVE
BUFFALO, NEW YORK 14225
(716)631-5140 ~ Truenorthpllc@aol.com

AMEND:
SURVEY DATE: 9-13-24
©DRAWING DATE: 9-19-24
SCALE: 1" = 40'
"ALL RIGHTS RESERVED"

THIS MAP VOID UNLESS EMBOSSED WITH NEW YORK STATE LICENSED LAND SURVEYOR'S SEAL. ALTERING ANY ITEM ON THIS MAP IS A VIOLATION OF THE LAW EXCEPT AS PROVIDED IN SECTION 7209, PART 2, OF THE NEW YORK STATE EDUCATION LAW.

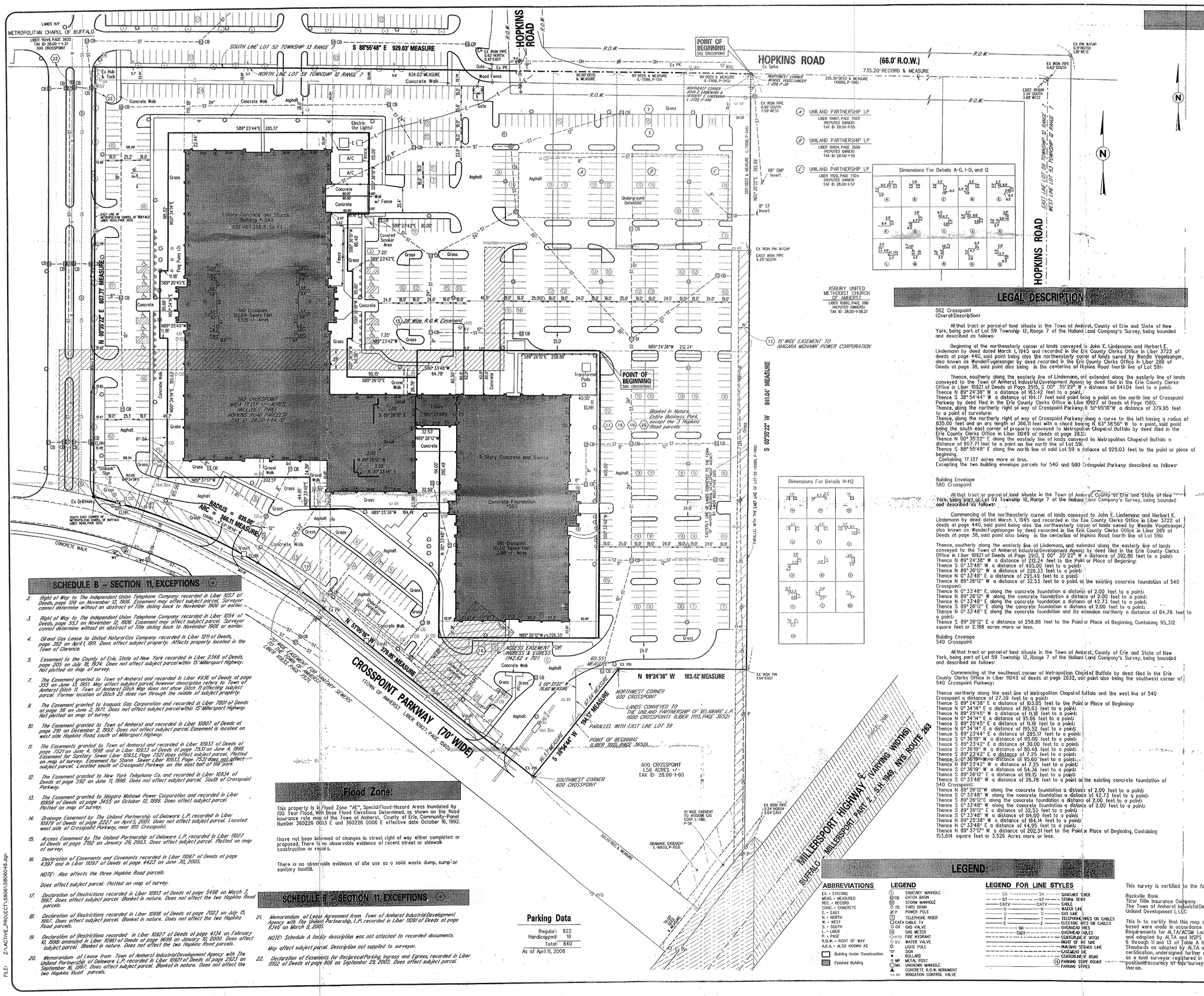
ALTA/NSPS LAND TITLE SURVEY

PART OF LOT 59 SECTION ____ TOWNSHIP 12 RANGE 7 OF THE: Holland Land Company's SURVEY – Erie COUNTY, N.Y.

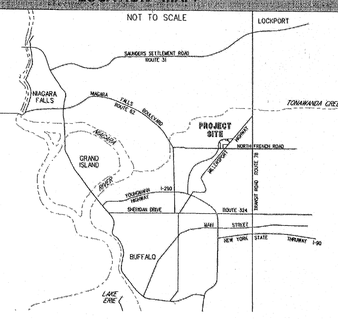
SURVEY OF: 3750 Millersport Highway, Town of Amherst

SBL No. 28.00-1-58.111

Attachment: SP-2019-13A_drawings_112124 (29459 : SP-2019-13 A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)



LOCATION MAP:



NOTES:

1.) BOUNDARY SURVEY IS TIED TO THE NEW YORK STATE PLANE COORDINATE SYSTEM NORTH AMERICAN DATUM OF 1983, HIGH ACCURACY REFERENCE NETWORK OF 1992 (NAD83/92HARN). RECORD MONUMENTATION UTILIZED IN THE PREPARATION OF THIS SURVEY WERE PROVIDED BY THE TOWN OF AMHERST ENGINEERING DEPARTMENT AND CONSISTED OF THE FOLLOWING POINTS:
CONTROL POINT 78, CONTROL POINT 79, CONTROL POINT 62 AND CONTROL POINT 52.

2.) NON-ITALICIZED BEARINGS SHOWN ARE REFERENCED TO THE NEW YORK STATE PLANE COORDINATE SYSTEM AS DESCRIBED IN NOTE 1. ITALICIZED BEARINGS SHOWN ARE TAKEN FROM THE RECORD TITLE DOCUMENTS AS IDENTIFIED BY (L- , P-).

3.) THE LOCKPORT EXPRESSWAY, I-990, NORTH FRENCH ROAD AND MILLERSPORT HIGHWAY ARE SHOWN AND ESTABLISHED FROM RECORD INFORMATION PROVIDED BY THE NEW YORK STATE DEPARTMENT OF TRANSPORTATION AND OBTAINED THROUGH THE USE OF THE FREEDOM OF INFORMATION LAW. DUE TO THIS METHOD OF OBTAINING THIS INFORMATION, THE UNDERSIGNED SURVEYOR DOES NOT ACCEPT ANY LIABILITY IN THE COMPLETENESS OF THIS INFORMATION.

4.) ALL DISTANCES SHOWN ARE GROUND DISTANCES. THE COMBINED FACTOR FOR CONVERSION TO THE NEW YORK STATE PLANE COORDINATE SYSTEM, ESEE NOTE 1) IS 0.999918512.

5.) ALL BUILDING DIMENSIONS TAKEN AT CONCRETE FOUNDATION.

Zoning Information:

Zoning: RD- Research-Development District
Site Area = 17.137+/- Acres
Building Area: 107,298.8 GSF

	Town Code	Building Ht (30' or Less)
Building Setbacks:		
Front (Radial)	40'	
Side (Abutting Commercial)	15'	
Rear (Abutting Commercial)	15'	
Side or Rear (Abutting Residential)	50'	
Parking Setbacks:		
Front (Radial)	25'	
Side (Abutting Commercial)	10'	
Rear (Abutting Commercial)	10'	
Side or Rear (Abutting Residential)	25'	

60' 0 60' 120'
SCALE BAR IN FEET

LEGAL DESCRIPTION

562 Crosspoint
(Overall Description)

All that tract or parcel of land situate in the Town of Amherst, County of Erie and State of New York, being part of Lot 59 Township 12, Range 7 of the Holland Land Company's Survey, being bounded and described as follows:

Beginning at the northeasterly corner of lands conveyed to John E. Lindemann and Herbert E. Lindemann by deed dated March 1, 1945 and recorded in the Erie County Clerks Office in Liber 3722 of deeds at page 440, said point being also the northwesterly corner of lands owned by Wendle Vogelsanger, also known as WendelFugelsonger by deed recorded in the Erie County Clerks Office in Liber 289 of Deeds at page 38, said point also being in the centerline of Hopkins Road (north line of Lot 59);

Thence, southerly along the easterly line of Lindemann, and extended along the easterly line of lands conveyed to the Town of Amherst Industrial Development Agency by deed filed in the Erie County Clerks Office in Liber 10921 of Deeds at Page 2915, S 00° 35'22" W a distance of 841.04 feet to a point;
Thence N 89°24'38" W a distance of 183.42 feet to a point,
Thence S 38°54'44" W a distance of 134.17 feet said point being a point on the north line of Crosspoint Parkway by deed filed in the Erie County Clerks Office in Liber 10927 of Deeds at Page 1560;
Thence, along the northerly right of way of Crosspoint Parkway, N 51°05'16" W a distance of 379.95 feet to a point of curvature;
Thence, along the northerly right of way of Crosspoint Parkway along a curve to the left having a radius of 935.00 feet and an arc length of 366.11 feet with a chord bearing N 63°38'56" W to a point, said point being the south east corner of property conveyed to Metropolitan Chapel of Buffalo by deed filed in the Erie County Clerks Office in Liber 11049 of deeds at page 2632;
Thence N 00°35'22" E along the easterly line of lands conveyed to Metropolitan Chapel of Buffalo a distance of 607.71 feet to a point on the north line of Lot 59;
Thence S 88°55'48" E along the north line of said Lot 59 a distance of 929.03 feet to the point or place of beginning.
Containing 17.137 acres more or less.
Excepting the two building envelope parcels for 540 and 580 Crosspoint Parkway described as follows:

Building Envelope
580 Crosspoint

All that tract or parcel of land situate in the Town of Amherst, County of Erie and State of New York, being part of Lot 59 Township 12, Range 7 of the Holland Land Company's Survey, being bounded and described as follows:

Commencing at the northeasterly corner of lands conveyed to John E. Lindemann and Herbert E. Lindemann by deed dated March 1, 1945 and recorded in the Erie County Clerks Office in Liber 3722 of deeds at page 440, said point being also the northwesterly corner of lands owned by Wendle Vogelsanger, also known as WendelFugelsonger by deed recorded in the Erie County Clerks Office in Liber 289 of Deeds at page 38, said point also being in the centerline of Hopkins Road (north line of Lot 59);

Thence, southerly along the easterly line of Lindemann, and extended along the easterly line of lands conveyed to the Town of Amherst Industrial Development Agency by deed filed in the Erie County Clerks Office in Liber 10921 of Deeds at Page 2915, S 00° 35'22" W a distance of 392.86 feet to a point;
Thence N 89°24'38" W a distance of 212.24 feet to the Point or Place of Beginning;
Thence S 0°33'48" W a distance of 405.00 feet to a point;
Thence N 89°26'12" W a distance of 226.33 feet to a point;
Thence N 0°33'48" E a distance of 229.49 feet to a point;
Thence N 89°26'12" W a distance of 32.53 feet to a point on the existing concrete foundation of 540 Crosspoint;
Thence N 0°33'48" E along the concrete foundation a distance of 2.00 feet to a point;
Thence N 89°26'12" W along the concrete foundation a distance of 2.00 feet to a point;
Thence S 0°33'48" E along the concrete foundation a distance of 42.73 feet to a point;
Thence S 89°26'12" E along the concrete foundation a distance of 2.00 feet to a point;
Thence N 0°33'48" E along the concrete foundation and its extension northerly a distance of 64.78 feet to a point;
Thence S 89°26'12" E a distance of 258.86 feet to the Point or Place of Beginning, Containing 95,312 square feet or 2.188 acres more or less.

Building Envelope
540 Crosspoint

All that tract or parcel of land situate in the Town of Amherst, County of Erie and State of New York, being part of Lot 59 Township 12, Range 7 of the Holland Land Company's Survey, being bounded and described as follows:

Commencing at the southeast corner of Metropolitan Chapel of Buffalo by deed filed in the Erie County Clerks Office in Liber 11049 of deeds at page 2632, said point also being the southwest corner of 540 Crosspoint Parkway;

Thence northerly along the east line of Metropolitan Chapel of Buffalo and the west line of 540 Crosspoint a distance of 27.39 feet to a point;
Thence S 89°24'38" E a distance of 103.85 feet to the Point or Place of Beginning;
Thence N 0°34'14" E a distance of 195.63 feet to a point;
Thence N 89°25'45" W a distance of 11.18 feet to a point;
Thence N 0°34'14" E a distance of 55.66 feet to a point;
Thence S 89°25'45" E a distance of 11.18 feet to a point;
Thence N 0°34'14" E a distance of 195.52 feet to a point;
Thence S 89°23'44" E a distance of 285.17 feet to a point;
Thence S 0°36'19" W a distance of 115.00 feet to a point;
Thence S 89°23'42" E a distance of 30.00 feet to a point;
Thence S 0°36'19" W a distance of 80.48 feet to a point;
Thence S 89°23'42" E a distance of 7.25 feet to a point;
Thence S 0°36'19" W a distance of 95.60 feet to a point;
Thence N 89°23'42" W a distance of 7.25 feet to a point;
Thence S 0°36'19" W a distance of 54.36 feet to a point;
Thence S 89°26'12" E a distance of 99.15 feet to a point;
Thence S 0°33'48" W a distance of 26.78 feet to a point on the existing concrete foundation of 540 Crosspoint;
Thence N 89°26'12" W along the concrete foundation a distance of 2.00 feet to a point;
Thence S 0°33'48" W along the concrete foundation a distance of 42.73 feet to a point;
Thence S 89°26'12" E along the concrete foundation a distance of 2.00 feet to a point;
Thence S 0°33'48" W along the concrete foundation a distance of 2.00 feet to a point;
Thence S 89°26'12" E a distance of 32.53 feet to a point;
Thence S 0°33'48" W a distance of 114.00 feet to a point;
Thence N 89°26'12" W a distance of 184.14 feet to a point;
Thence N 0°33'48" E a distance of 44.95 feet to a point;
Thence N 89°37'17" W a distance of 202.51 feet to the Point or Place of Beginning, Containing 153,614 square feet or 3.526 Acres more or less.

SCHEDULE B – SECTION 11, EXCEPTIONS

2. Right of Way to The Independent Union Telephone Company recorded in Liber 1257 of Deeds, page 228 on November 12, 1906. Easement map affect subject parcel. Surveyor cannot determine without an abstract of Title dating back to November 1906 or earlier.
3. Right of Way to The Independent Union Telephone Company recorded in Liber 1254 of Deeds, page 553 on November 12, 1906. Easement may affect subject parcel. Surveyor cannot determine without an abstract of Title dating back to November 1906 or earlier.
4. Oil and Gas Lease to United Natural Gas Company recorded in Liber 1211 of Deeds, page 169 on April 1, 1911. Does affect subject property. Affects property located in the Town of Clarence.
5. Easement to the County of Erie, State of New York recorded in Liber 2348 of Deeds, page 205 on July 18, 1934. Does not affect subject parcel within 15' Millersport Highway. Not plotted on map of survey.
7. The Easement granted to Town of Amherst and recorded in Liber 4936 of Deeds at page 1255 on June 13, 1951. May affect subject parcel, however description refers to Town of Amherst Ditch 11. Town of Amherst Ditch Map does not show Ditch 11 affecting subject parcel. Former location of Ditch 25 does run through the middle of subject property.
9. The Easement granted to Iroquois Gas Corporation and recorded in Liber 7801 of Deeds at page 56 on June 25, 1971. Does not affect subject parcel within 15' Millersport Highway. Not plotted on map of survey.
10. The Easement granted to Town of Amherst and recorded in Liber 10807 of Deeds at page 210 on December 2, 1993. Does not affect subject parcel. Easement is located on west side Hopkins Road, south of Millersport Highway.
11. The Easements granted to Town of Amherst and recorded in Liber 10933 of Deeds at page 7521 on June 4, 1998 and in Liber 10933 of Deeds at page 7531 on June 4, 1998. Easement for Sanitary Sewer Liber 10933, Page 7521 does affect subject parcel. Plotted on map of survey. Easement for Storm Sewer Liber 10933, Page 7537 does not affect subject parcel. Located south of Crosspoint Parkway on the east half of the park.
12. The Easement granted to New York Telephone Co. and recorded in Liber 10934 of Deeds at page 592 on June 11, 1998. Does not affect subject parcel. South of Crosspoint Parkway.
13. The Easement granted to Niagara Mohawk Power Corporation and recorded in Liber 10958 of Deeds at page 3425 on October 12, 1998. Does affect subject parcel. Plotted on map of survey.
14. Drainage Easement by The Uniland Partnership of Delaware L.P. recorded in Liber 10979 of Deeds at page 2227 on April 5, 2001. Does not affect subject parcel. Located west side of Crosspoint Parkway, near 125 Crosspoint.
15. Access Easement by The Uniland Partnership of Delaware L.P. recorded in Liber 11027 of Deeds at page 7182 on January 29, 2003. Does affect subject parcel. Plotted on map of survey.
16. Declaration of Easements and Covenants recorded in Liber 11097 of Deeds at page 4397 and in Liber 11097 of Deeds at page 4423 on June 30, 2005.

NOTE: Also affects the three Hopkins Road parcels.

Does affect subject parcel. Plotted on map of survey.

17. Declaration of Restrictions recorded in Liber 10913 of Deeds at page 5498 on March 7, 1997. Does affect subject parcel. Blanket in nature. Does not affect the two Hopkins Road parcels.
18. Declaration of Restrictions recorded in Liber 10918 of Deeds at page 7023 on July 15, 1997. Does affect subject parcel. Blanket in nature. Does not affect the two Hopkins Road parcels.
19. Declaration of Restrictions recorded in Liber 10927 of Deeds at page 4134 on February 10, 1998; amended in Liber 10961 of Deeds at page 9699 on January 10, 2000. Does affect subject parcel. Blanket in nature. Does not affect the two Hopkins Road parcels.
20. Memorandum of Lease from Town of Amherst Industrial Development Agency with The Uniland Partnership of Delaware L.P. recorded in U.S. in 12627 of Deeds at page 2523 on September 16, 1999. Does affect subject parcel. Blanket in nature. Does not affect the two Hopkins Road parcels.

Flood Zone:

This property is in Flood Zone "AE", Special Flood-Hazard Areas inundated by 100 Year Flood, With Base Flood Elevations Determined, as shown on the flood insurance rate map of the Town of Amherst, County of Erie, Community-Panel Number 360226 0003 E and 360226 0006 E effective date October 16, 1992.

I have not been informed of changes in street right of way either completed or proposed. There is no observable evidence of recent street or sidewalk construction or repairs.

There is no observable evidence of site use as a solid waste dump, sump or sanitary landfill.

SCHEDULE B – SECTION 11, EXCEPTIONS

21. Memorandum of Lease Agreement from Town of Amherst Industrial Development Agency with The Uniland Partnership, L.P. recorded in Liber 11091 of Deeds at page 9346 on March 9, 2005.

NOTE: Schedule A locally description was not attached to recorded documents.

May affect subject parcel. Description not supplied to surveyor.

22. Declaration of Easements for Reciprocal Parking, Ingress and Egress, recorded in Liber 11102 of Deeds at page 806 on September 29, 2005. Does affect subject parcel.

LEGEND:

ABBREVIATIONS

EX. - EXISTING
MEAS. - MEASURED
REC. - RECORD
CONC. - CONCRETE
E. - EAST
N. - NORTH
W. - WEST
S. - SOUTH
L. - LIBER
P. - PAGE
R.O.W. - RIGHT OF WAY
A.K.A. - ALSO KNOWN AS

Building Under Construction
Finished Building

LEGEND

SANITARY MANHOLE
CB CATCH BASIN
STORM MANHOLE
YARD DRAIN
POWER POLE
TELEPHONE RISER
CATV CABLE TV
GAS VALVE
GM GAS METER
FIRE HYDRANT
WV WATER VALVE
LIGHT POLE
SIGN
BOLLARD
MP METAL POST
MH UNKNOWN MANHOLE
CONCRETE R.O.W. MONUMENT
IRRIGATION CONTROL VALVE

LEGEND FOR LINE STYLES

SANITARY SEWER
STORM SEWER
CABLE
WATER LINE
GAS LINE
TELEPHONE WIRES OR CABLES
ELECTRIC WIRES OR CABLES
OVERHEAD WIRES
OVERHEAD CABLES
CENTERLINE OF DITCH
RIGHT OF WAY LINE
BUILDING SETBACK LINE
EASEMENT LINE
CENTERLINE OF ROAD
PARKING STRIPE COUNT
PARKING STRIPES

This survey is certified to the following parties:

Rockville Bank
Ticor Title Insurance Company
The Town of Amherst Industrial Development Agency
Uniland Development I, LLC

This is to certify that this map or plat and the survey on which it is based were made in accordance with the "Minimum Standard Detail Requirements for ALTA/ACSM Land Title Surveys," jointly established and adopted by ALTA and NSPS in 2005, and includes items 1 through 4, 6 through 11 and 13 of Table A thereof. Pursuant to the Accuracy Standards as adopted by ALTA and NSPS and in effect on the date of this certification, undersigned further certifies that in my professional opinion as a land surveyor registered in the State of New York, the relative positional accuracy of this survey does not exceed that which is specified therein.

RECEIVED
APR 09 2014
TOWN OF AMHERST
PLANNING DEPT.

KENNETH L. SLAUGENHOUPT LIC. NO. 50349

Niagara Boundary
And Mapping Services
2475 MILITARY ROAD
NIAGARA FALLS, NY 14304
(716) 297-9584
FAX (716) 297-9588
E-MAIL KLSBRNS@AOL.COM
Serving Western New York for over 35 years.

UNAUTHORIZED ALTERATION OR ADDITION TO THIS SURVEY MAP IS A VIOLATION OF SECTION 7209, PROVISION 2 OF THE NEW YORK STATE EDUCATION LAW.

THIS SURVEY WAS PREPARED WITHOUT THE BENEFIT OF AN ABSTRACT OF TITLE AND IS SUBJECT TO ANY STATE OF FACTS THAT MAY BE REVEALED BY AN EXAMINATION OF SUCH.

Map Showing ALTA /ACSM Land Title Survey of

540, 562 and 580 Crosspoint

UNILAND DEVELOPMENT COMPANY

LOT	SECTION	TOWNSHIP	RANGE
59		12	7

TOWN	AMHERST
COUNTY	ERIE
STATE	NEW YORK
DATE	OCTOBER 17, 2006
SCALE	1" = 60'
JOB NO.	5806-06

RESURVEYED	DATE
Foundation Location of Building *580	8/28/2007
As-Built *580	12/04/2007
Revise Boundary & Description	11/17/2008

"ONLY COPIES FROM THE ORIGINAL OF THIS SURVEY MARKED WITH AN ORIGINAL OF THE LAND SURVEYOR'S EMBOSSED SEAL SHALL BE CONSIDERED TO BE VALID TRUE COPIES."

THIS SURVEY WAS PREPARED FOR THE PARTIES AND PURPOSE INDICATED HEREON. ANY EXTENSION OF THE USE BEYOND THE PARTIES OR PURPOSE INDICATED IS EXPRESSLY FORBIDDEN WITHOUT WRITTEN RELEASE / PERMISSION OF THE UNDERSIGNED

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SCANNED 3/14/12

SP-2005-151 & SP-2006-
540-580 CROSSPOINT PKWY & 3750 MILLERSPORT HWY

Packet Pg. 553

Attachment: SP-2019-13A drawings 112124 (29459 : SP-2019-13, A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

FILE: Z:\ACTIVE_PROJECT\5806\5806046.dgn

Amherst

Town of Amherst Planning Department *Erie County, New York*

Brian J. Kulp
Supervisor

Daniel C. Howard
Planning Direc

Daniel J. Ulatowski
Assistant Planning I

NOV 26 2024 PM3

SEQR
Negative Declaration

NOTICE OF DETERMINATION OF NON-SIGNIFICANCE

Lead Agency:	Town of Amherst Planning Board	**Project:**	SP-2019-13_A
Address:	5583 Main Street Williamsville, NY 14221 (716) 631-7051	**Date:**	November 21, 2024

This notice is issued pursuant to Part 617 and Local Law #3-82, as amended, of the implementing regulations pertaining to Article 8 (State Environmental Quality Review) of the Environmental Conservation Law.

The Lead Agency has determined that the proposed action described below will not have a significant adverse effect on the environment.

Title of Action: Site Plan Review

SEQR Status: Unlisted

Description of Action: Proposed 491 space parking lot expansion on the 7.9 ac parcel at 3750 Millersport Highway for the existing Citigroup building at 580 Crosspoint Pkwy, including merge of 3750 Millersport Highway and 3750 Millersport Highway and 2360 Hopkins Road (portion). Work will include the site improvements not specifically stated above, including, stormwater, utilities, grading, lighting, paving, and landscaping.

Location: 580 Crosspoint Parkway, 3750 Millersport Highway, and 2360 Hopkins Road (portion), Amherst, Erie County

Petitioner: Citigroup Technology Inc.

Attachment: SP-2019-13A signed neg dec 112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

NOV 26 2024 PM3

REASONS SUPPORTING THIS DETERMINATION

Based on information submitted by the applicant including a Full Environmental Assessment Form (FEAF) - Part I (as amended) and a complete site plan application, a preliminary staff analysis was undertaken. A FEAF Part II has been prepared and compared to the criteria listed in Section 617.7, all indications are that this action will not have a significant impact on the environment, as follows:

1. The project is not expected to cause a substantial adverse change in existing air quality, ground or surface water quality or quantity, or noise levels; a substantial increase in solid waste production; or a substantial increase in the potential for erosion, flooding, leaching or drainage problems. The Engineering Department on November 11, 2024 reviewed the Grading, Drainage, Erosion & Sediment Control, and Utility Plans submitted on October 25, 2024, and Geotechnical Report submitted on September 23, 2024. The Stormwater Pollution Prevention Plan (SWPPP) submitted on September 23, 202 was also reviewed. Based on its review of these documents, the Department has determined that the project has or will have met all applicable requirements and has no objection to its approval.

2. The project, although removing existing vegetation, will not result in significant adverse impacts to fish or wildlife species, habitats or other natural resources. The Planning Department also reviewed a Landscape Plan submitted on October 25, 2024 and determined that it meets or exceeds Zoning Ordinance requirements for greenspace. The Landscape Plan has or will have met all Zoning Ordinance and Town requirements for landscaping.

3. The project is not expected to create any substantive conflict with the Town Comprehensive Plan. The Planning Department in their review of November 1, 2024 and the Zoning Enforcement Officer in his review of November 1, 2024 have reviewed the application documents and Building Department in their review of November 4, 2024 has reviewed the application documents along with the Geotechnical Report submitted on September 23, 2024, and determined that the subject project has or will have met all International Building Code – 2018 and Zoning Ordinance regulations.

4. The NYS Office of Parks, Recreation and Historic Preservation has reviewed the project and, as stated in their letter of April 11, 2019 determined that there will be no impact on these resources.

5. The project will not impair the character or quality of important aesthetic resources or of existing community or neighborhood character. The project is located in the Office Building (OB) zoning district; neighboring uses are office, institutional and residential and zoned Research and Development District (R&D), Residential Three District (R-3) and Suburban Agricultural District (SA); therefore, the project is consistent with surrounding land use.

Attachment: SP-2019-13A signed neg dec 112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

NOV 26 2024 PM3

6. The proposed subject development will include parking for existing adjacent office building, which will not cause a major change in the use of either the quantity or type of energy.

7. The project will not create any hazard to human health. The Fire Chief's Association on October 4, 2024 has reviewed the project and has no objection to the approval of the site plan, as all requirements of this agency has or will have been met.

8. The project will not cause a substantial change in the use, or intensity of use, of land including agricultural, open space or recreational resources, or in its capacity to support existing uses. An addition of 491 parking spaces will be consistent with the scale of the adjacent land use within Crosspoint Business Park.

9. The function of the proposed additional parking will not significantly increase the number of people using the site over its previous level of use as the project is intended to address the movement of employees from 540 Crosspoint Parkway to 580 Crosspoint parkway.

10. Review by the Town Traffic/Safety Board dated October 30, 2024 and NYSDOT dated October 30, 2024 indicate that significant negative traffic impacts are not expected to result from the proposed project. Review of the Traffic Impact Study (TIS), submitted to the Planning Department on October 25, 2024 and reviewed by the Town Traffic/Safety Board and NYSDOT indicates that significant negative traffic impacts are not expected to result from the proposed project.

11. A coordinated review of the project has been undertaken by Town Departments, in addition to those mentioned above, Highway Department on October 23, 2024, Assessor on November 5, 2024, Plumbing Division on October 2, 2023 and Right-of-Way Agent on November 4, 2024 along with outside agencies including the New York State Department of Transportation on October 30, 2024, New York State Department of Environmental Conservation on October 23, 2024, and the New York State Office of Parks, Recreation and Historic Preservation on April 11, 2024. These reviews have not identified any significant environmental issues and indicate that the proposal will not have a significant damaging impact on the environment.

12. Issues not specifically mentioned above and/or those not specifically reviewed were not raised by Town departments, outside agencies or the public and are not determined to cause significant negative environmental impacts.

Planning Board Approval
Moved by: Penberthy; Seconded by: Kahn; Ayes 6; Noes 0; Absent 1 (Giuliani)

Attachment: SP-2019-13A signed neg dec 112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

NOV 26 2024 PM3:1

Gary Palumbo, Associate Planner — Date: 11.26.2024

Michael J. Chmiel, Planning Board Chair — Date: 11/26/24

GP/ac
X:\Current_Planning\Files\Site Plans\2019\SP-2019-13_A_(580_Crosspoint_Pkwy)_2024\SP-2019-13_A_neg dec_112124.doc

cc: Commissioner of Building
Town Engineer
Fire Chiefs'
Highway
Traffic/Safety
ECDEP
NYSDOT
Citigroup Technology Inc., Janna Jachniewics, Two Court Square, Long Island City, NY 11101
Ware Malcomb, 45 W. 21st Street, 8th Floor, New York, NY 10010
Corey Auerbach, Barclay Damon LLP, 200 Delaware Ave., Suite 1200, Buffalo, NY 14202

Attachment: SP-2019-13A signed neg dec 112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

TOWN OF AMHERST
PLANNING BOARD
SITE PLAN RESOLUTION
SP-2019-13_A

PETITIONER

Citigroup Technology Inc.
Two Court Square
Long Island City, NY 11101

PROPERTY LOCATION

580 Crosspoint Parkway, 3750 Millersport Highway, and 2360 Hopkins Road (portion)

NOV 26 2024 PM

WHEREAS, the Town of Amherst Planning Board on Thursday, November 21, 2024 held a public hearing on a Site Plan for a proposed 491 space parking lot expansion, and

WHEREAS, the Planning Board reviewed the plans and specifications for the proposed project, and

WHEREAS, the Site Plan was referred to the Town's various review agencies, and

WHEREAS, the site and building plans were reviewed by the Town's Design Advisory Board and their recommendations were provided, and

WHEREAS, in accordance with Section 8-7-9 of the Zoning Ordinance, the Planning Board finds that:

A. The proposed site plan is consistent with the development plan if one is required.

B. The proposed site plan is consistent with the purpose and specific requirements of the Zoning Ordinance and generally consistent with the policies of the Comprehensive Plan.

C. Adequate services and utilities will be available prior to occupancy.

D. The site plan is consistent with all other applicable laws.

E. Pursuant to Local Law #3-82, as amended, the Planning Board has determined that the requirements of SEQR are complete and that the subject proposal is not expected to have a significant adverse effect on the environment.

F. The US Army Corps of Engineers under Section 404 of the Clean Water Act issued an approved preliminary jurisdictional determination on March 26, 2020 as potentially federally jurisdictional wetland.

NOW THEREFORE BE IT RESOLVED that in accordance with 6 NYCRR, Part 617 and Local Law #3-82, as amended, the Planning Board has issued a Negative Declaration attached hereto, and

Attachment: SP-2019-13A signed resolution 112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

TOWN OF AMHERST
PLANNING BOARD
SITE PLAN RESOLUTION
SP-2019-13_A

PETITIONER	PROPERTY LOCATION
Citigroup Technology Inc.	580 Crosspoint Parkway, 3750 Millersport Highway, and 2360 Hopkins Road (portion)

NOV 26 2024 PM3:

NOW THEREFORE BE IT FURTHER RESOLOVED that the Planning Board, in accordance with Part II, Chapter 83, Part IX, Section 1-2 of Town Law waives sidewalks required along the Millersport Highway and Hopkins Road frontage of the parcel until required at some future time by the Town Board, and

NOW THEREFORE BE IT FURTHER RESOLVED that the Planning Board, in accordance with Section 8-7 of the Zoning Ordinance approves said Site Plan subject to the following conditions:

1. That the consideration of signs is specifically excluded from this approval as they require a separate review and approval by the Town.

2. That all dumpsters/trash containers and all mechanical equipment, utility structures, multiple meter boards, generators, and similar appurtenances, including those which are mounted on any part of a primary structure shall be appropriately screened with a fence, wall, and/or landscaping. Provide gate on dumpster enclosure that shall be closed whenever dumpster is not being serviced, enclosure shall be high enough to screen the dumpster(s) within.

3. That as-built surveys, including location of utilities, be provided to the Engineering Department prior to issuance of a Certificate of Occupancy by the Building Department.

4. That the sites at 3750 Millersport Highway and 2360 Hopkins Road (portion) be merged with the property located at 580 Crosspoint Parkway.

5. That the requirements in the Zoning Enforcement Officer and Planning Department in the departmental letter dated November 1, 2024 are addressed to the satisfaction of the Department.

6. That the comments provided in the Engineering Department, Engineering Services Division letter dated November 12, 2024 are addressed to the satisfaction of that division.

7. That the comments provided in the Engineering Department, Stormwater Management Officer's letter dated November 5, 2024 are addressed to the satisfaction of the officer.

Attachment: SP-2019-13A signed resolution 112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

TOWN OF AMHERST
PLANNING BOARD
SITE PLAN RESOLUTION
SP-2019-13_A

PETITIONER

Citigroup Technology Inc.

PROPERTY LOCATION

580 Crosspoint Parkway, 3750 Millersport Highway, and 2360 Hopkins Road (portion)

NOV 26 2024 PM3

8. That the comments provided in the Town Attorney's (as Right-of-Way Agent) letter dated November 5, 2024 are addressed to the satisfaction of the agent.

9. That the comments provided in the NYS Department of Transportation correspondence of October 30, 2024 are addressed on final plans and that the required permits are obtained from that department.

10. That the petitioner obtain any required permits from the USACOE.

11. That following the direction of the Town Landscape Architect, additional vegetative buffering utilizing evergreens (coniferous species) be provided along Millersport Highway in order to enhance visual screening of the vehicle use area.

The foregoing resolution was adopted by the Town of Amherst Planning Board, November 21, 2024; moved by Penberthy; seconded by Raffaele; ayes 6; noes 0; absent 1 (Giuliani).

Michael J. Chmiel, Planning Board Chair

11/26/24
Date

GP/ac
X:\Current_Planning\Files\Site Plans\2019\SP-2019-13_A_(580_Crosspoint_Pkwy)_2024\SP-2019-13_A_resolution_112124.doc
cc: Commissioner of Building
Town Engineer
Fire Chiefs
Traffic/Safety
Highway Superintendent
ECDEP
NYSDOT
Citigroup Technology Inc., Janna Jachniewics, Two Court Square, Long Island City, NY 11101
Ware Malcomb, 45 W. 21st Street, 8th Floor, New York, NY 10010
Corey Auerbach, Barclay Damon LLP, 200 Delaware Ave., Suite 1200, Buffalo, NY 14202

Approved Plan: Ware Malcomb
Received: October 25, 2024

Attachment: SP-2019-13A signed resolution 112124 (29459 : SP-2019-13_A, 580 Crosspoint, 3750 Millersport, 2360 Hopkins)

Amherst Planning Board
5583 Main Street
Williamsville, NY 14221

ADOPTED

Meeting: 11/21/24 06:30 PM
Department: Planning
Category: Subdivisions & Relief from Conditions
Prepared By: Amy Carrato
Initiator: Dan Howard
Sponsors:
DOC ID: 29335 B

PLANNING BOARD ITEM (ID # 29335)

Proposed Sketch Plan for a 19-Lot Subdivision "Dodge Road Subdivision", SUB-2024-02_SK

Property located at 1789 Dodge Road
Joseph Rubino, Petitioner

Proposal to subdivide 6.7± acres of land into 18 sub-lots, 3 of the lots are for permanent open space and drainage.

October 17, 2024

Sean Hopkins, Esq., Hopkins Sorgi & McCarthy, represented the petitioner, explained the proposal and was available to answer questions from the Board. Joe Rubino and Daniel LaPietra, Carmina Wood Design, were also present.

In response to the Board's questions, Mr. Hopkins stated there will be fencing along a portion of the north and south property line, a meeting with the neighbors will take place during the preliminary plat phase, and that a larger sidewalk area could be installed on Dodge Road for students waiting for the school bus.

William Pitz, 1815 Dodge Rd.; Sandy Mack, 1790 Dodge Road; Nancy Fender, 101 Main St.; and Cheryl Anastasia, 1816 Dodge Road spoke in opposition of the proposal.

No further comments were heard on this proposal. The hearing was closed.

Following discussion, Mr. Giuliani moved to approve the request based on the resolution. The motion was seconded by Mr. Davis and failed. Ayes 3, Noes 2 (Penberthy, Raffaele), Absent 2 (Gill, Kahn).

Following discussion, Ms. Penberthy moved to adjourn the request until the November Planning Board meeting. The motion was seconded by Mr. Giuliani and passed. Ayes 5, Noes 0, Absent 2 (Gill, Kahn).

Following discussion, Ms. Penberthy moved to keep the public hearing open at the November Planning Board meeting. The motion was seconded by Mr. Giuliani and passed. Ayes 5, Noes 0, Absent 2 (Gill, Kahn).

November 21, 2024

Sean Hopkins, Esq., Hopkins Sorgi & McCarthy, represented the petitioner, explained the proposal and was available to answer questions from the Board. Joe Rubino was also present.

In response to the Board's questions, Mr. Hopkins stated this project's zoning district is a different zoning district than Glen Meadows subdivision, the proposal exceeds the zoning regulations including the emphasis on protecting existing vegetation along the perimeter of

the site and the parcels that are currently zoned SA don't comply with the Comprehensive Plan.

William Pitz, 1815 Dodge Rd.; Sandy Mack, 1790 Dodge Road; Nancy Fender, 101 Main St.; Cheryl Anastasia, 1816 Dodge Road; and Lisa Rockwell, 1765 Dodge Road spoke in opposition of the proposal.

Following discussion, Ms. Penberthy moved to approve the request amending the resolution to limit the number of buildable lots to 13. The motion was seconded by Mr. Raffaele and passed. Ayes 5, Noes 1 (Gill), Absent 1 (Giuliani).

HISTORY:

10/17/24	**Planning Board**	**ADJOURNED**	**Next: 11/21/24**

ATTACHMENTS:

- SUB-2024-02_K_application_101724 (PDF)
- SUB-2024-02_K_drawings_101724 (PDF)
- Revised Sketch Plan uploaded 10/16/24 (PDF)
- Revised Concept Utility Plan uploaded 10/16/24 (PDF)
- SUB-2024-02_K_updated drawings_112124 (PDF)
- SUB-2024-02SK signed resolution 112124 (PDF)

RESULT:	**APPROVED [5 TO 1]**
MOVER:	Brittany Lee Penberthy, Board Member
SECONDER:	Joseph P. Raffaele Jr., Board Member
AYES:	Chmiel, Davis, Kahn, Penberthy, Raffaele Jr.
NAYS:	Harbinder Gill
ABSENT:	Dal Giuliani

Applicant: Joe Rubinso
Sketch Plan Application -
18 Lot Subdivision [15 Lots
for Detached Single-Family Homes
1789 Dodge Road

Not Named

TOWN OF AMHERST PLANNING DEPARTMENT

Application Subdivision Review

For Official Use

SUB-2024-02 SK
File # _____ **Acreage** 6.7± **Fee $** 1165

Type of Subdivision Application (check one):

Sketch Plan	✓
Preliminary Plat	
Final Plat	

Address Verified by Assessor's Office

_____
Verified By Date

		Fill In Applicable Fees
Sketch Plan	$1,150.00	$1,150.00
Preliminary Plat		
1 acre of less	$1,250.00	
Each Additional acre or fraction thereof	$ 650.00/acre	
Amendments to Subdivisions	$1,150.00	
Request for Relief of / or Change to Conditions of Subdivision Approval	$1,150.00	
Request for Extension of Subdivision Approval	$ 450.00	
Stormwater Pollution Prevention Plan		
1-4.99 Acres	$ 500.00	
5-10 Acres	$ 750.00	
>10 Acres	$1,000.00	
Affidavit Fee for Public Hearing	$ 15.00	$15.00
Final Plat	$ 450.00	
	TOTAL FEE:	$ 1,165.00

Materials Received by Planning Department

8/19/2024
RECEIVED BY DATE

Materials Accepted by Town Clerk & Fee Paid

_____
RECEIVED BY DATE

RECEIVED
AUG 19 2024
TOWN OF AMHERST
PLANNING DEPT.

To Be Completed By Applicant

Petitioner: Name: Joe Rubino c/o Sean Hopkins, Esq.
Address: 5500 Main Street, Suite 343
Williamsville, NY 14221
city state zip code

Phone: 510-4338 Fax: 427-6501 E Mail: shopkins@hsmlegal.com

Rev. 12/08
P/Currplan/Application Forms Working Document/Subdivision App.

Attachment: SUB-2024-02_K_application_101724 (29335 : SUB-2024-02SK, 1789 Dodge Road)

Subdivision Name: Dodge Road Subdivision

Subdivision Location & Address: 1789 Dodge Road

Town of Amherst, Erie County, New York

Number of Sublots: 18 Sublots [15 lots for detached single-family homes along with 3 lots consisting of Permanent Open Space and storm water detention basin.

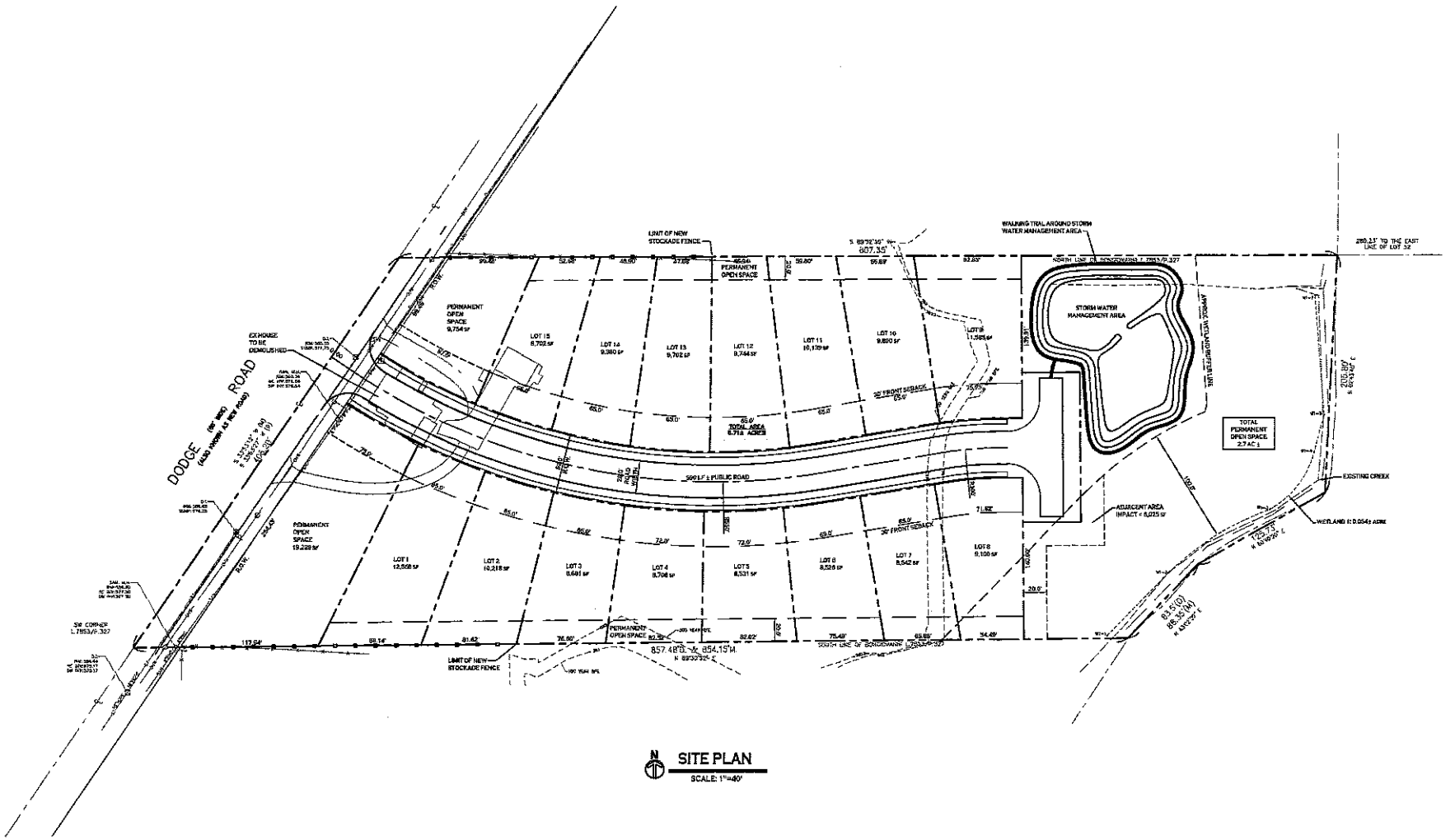
Land is Presently Zoned Residential District Three ("R-3")

A reduced size copy of the Concept Plan prepared by Carmina Wood Design depicting the layout of the proposed residential subdivision is attached as Exhibit "1" and full size copy is also attached to this Sketch Plan Application. Attached as Exhibit "2" are copies of the Negative Declaration issued by the Town Board pursuant to SEQRA on July 22, 2024 and Resolution No. 2024-538 as adopted by the Town Board on July 22, 2024 approving the rezoning of 1789 Dodge Road from SA to R-3 subject to six (6) conditions. Attached as Exhibit "3" is a copy of the Topographic Survey of the Project Site as prepared by Nussbaumer & Clarke, Inc. dated December 30, 2020.

Attachment: SUB-2024-02_K_application_101724 (29335 : SUB-2024-02SK, 1789 Dodge Road)

Exhibit 1

Attachment: SUB-2024-02_K_application_101724 (29335 : SUB-2024-02SK, 1789 Dodge Road)



SITE PLAN
SCALE: 1"=40'

SITE DATA (ZONED R-3)

AREA = 6.7 ACRES ±

MIN. LOT WIDTH = 65 FT INTERIOR LOTS
MIN. LOT WIDTH = 75 FT CORNER LOTS

MIN. LOT AREA = 8,450 SF INTERIOR LOTS
MIN. LOT AREA = 9,750 SF CORNER LOTS

FRONT SETBACK = 30 FT (OFF EDGE OF PVMT)
SIDE SETBACK = 5 FT
REAR SETBACK = 30 FT

MAXIMUM LOT COVERAGE = 35%
MAXIMUM BUILDING HEIGHT = 35 FT

MINIMUM FLOOR AREA = 1,500 SF (1 STORY)
MINIMUM FLOOR AREA = 1,200 SF (2 STORIES)

NOTE: BOUNDARY AND TOPOGRAPHIC INFORMATION PROVIDED BY OTHERS. CARMINA WOOD DESIGN ASSUMES NO RESPONSIBILITY FOR ITS ACCURACY.

40' 0 40 80 FT.

CARMINAWOOD DESIGN
Buffalo | Utica | Greensboro

Single Family Subdivision

1789 Dodge Road
Amherst, New York

REVISIONS
No. Description Date

PRELIMINARY
NOT FOR CONSTRUCTION

DRAWING NAME:
Sketch Plan

Date: 08.14.24
Drawn By: C. Wood
Scale: As Noted

DRAWING NO.
C-100

Project No: 20.247

© CARMINA WOOD DESIGN

Attachment: SUB-2024-02_K_application_101724 (29335 : SUB-2024-02SK, 1789 Dodge Road)

Exhibit 2

Attachment: SUB-2024-02_K_application_101724 (29335 : SUB-2024-02SK, 1789 Dodge Road)

Amherst
Town of Amherst Planning Department
Erie County, New York

Brian J. Kulpa
Supervisor

Daniel C. Howard, AICP
Planning Director

Daniel J. Ulatowski, AICP
Assistant Planning Director

SEQR

NEGATIVE DECLARATION

NOTICE OF DETERMINATION OF NON-SIGNIFICANCE

Lead Agency:	Town of Amherst Town Board	**Project:**	Z-2020-15
Address:	5583 Main Street Williamsville, NY 14221 (716) 631-7051	**Date:**	July 22, 2024

This notice is issued pursuant to Part 617 and Local Law #3-82, as amended, of the implementing regulations pertaining to Article 8 (State Environmental Quality Review) of the Environmental Conservation Law.

The Lead Agency has determined that the proposed action described below will not have a significant adverse effect on the environment.

Title of Action: Rezoning Request.

SEQR Status: Type I.

Description of Action: Rezoning of 6.7± acres of land from SA to R-3 to allow for a proposed 16-lot residential subdivision that will consist of 15 detached single-family home lots and a stormwater management lot located in the eastern most portion of the property. A public roadway and a single curb cut onto Dodge Road are proposed. Seventy-five feet of frontage along Dodge Road is proposed to remain as greenspace with the exception of the access roadway. Approximately 2.7± acres of the 6.7± acre site will remain as permanent open space along the north, south, eastern and western boundaries of the parcel.

Location: 1789 Dodge Road, Town of Amherst, Erie County, New York

Petitioner: Joe Rubino

Attachment: SUB-2024-02_K_application_101724 (29335 : SUB-2024-02SK, 1789 Dodge Road)

Reasons Supporting This Determination

Based on information submitted by the applicant, including a Full Environmental Assessment Form (EAF) - Part 1 and Part 2, a complete rezoning application, and concept plan, a preliminary staff analysis was undertaken. Compared to the criteria listed in Section 617.7, all indications are that the proposed rezoning of 6.7± acres of land from Suburban Agriculture (SA) to Residential District Three (R-3) for a proposed 16-lot residential subdivision (for 15 detached single-family homes) and related site improvements will not have a significant impact on the environment, as follows:

1. The project is not expected to cause a substantial adverse change in existing air quality, ground or surface water quality or quantity, or noise levels; a substantial increase in solid waste production; or a substantial increase in the potential for erosion, flooding, leaching or drainage problems. The Town Engineering Department on August 24, 2021 reviewed the application and EAF submitted on August 16, 2021 and had no objection or comments on the proposed rezoning.

2. The project will not result in the removal or destruction of large quantities of vegetation or fauna; or in significant adverse impacts to fish or wildlife species, habitats or other natural resources. Permanent open space buffers, including 75 feet along Dodge Road will preserve and enhance natural vegetation. A Landscape Plan shall be required of the applicant upon submittal of a subdivision application for development of the site at which stage all landscape requirements of the Zoning Ordinance will be met. This determination is also based on review of the NYSDEC Environmental Resource Mapper, which shows the site does not contain any significant natural communities, or habitat for rare, threatened or endangered plants or animal species[1].

3. The project is not expected to create any material conflict with the Town of Amherst Bicentennial Comprehensive Plan. The project will comply with all regulations of the Town Zoning Ordinance before the final subdivision plat is approved. The Town Building Department on August 26, 2021 reviewed the application and EAF submitted on August 16, 2021, and has no objection or comments on the proposed rezoning. As described in the Bicentennial Comprehensive Plan, the new development is generally consistent with section 3.3.1 of the Bicentennial Comprehensive Plan for Residential Uses, and in character with the surrounding single-family residential areas.

4. The project is not within an area identified by the State as potentially containing significant cultural or archeological resources, nor will it impair the character or quality of important historical resources.

[1] https://gisservices.dec.ny.gov/gis/erm/, last accessed January 14, 2022

Attachment: SUB-2024-02_K_application_101724 (29335 : SUB-2024-02SK, 1789 Dodge Road)

5. The project will not impair the character or quality of important aesthetic resources or of existing community or neighborhood character because the proximate land uses within an approximately ¼ mile radius are also single-family detached homes located in the S-A District, R-3 District and CR-3A District; therefore, the project is compatible with surrounding land use.

6. The proposed rezoning to Residential District Three (R-3) for a proposed 16-lot residential subdivision will result in an increase in the use and type of energy. However, the required utilities will be in place to adequately handle the anticipated increase. In addition, development of new single-family dwellings, under either the existing or proposed zoning districts are required to meet the NYS Energy Code for new construction. Therefore, the proposed R-3 rezoning will not cause a significant adverse change in the use of either the quantity or type of energy.

7. A search of NYSDEC data bases (Spill Incidents Database, Remedial Site Database, Bulk Storage Database) did not result in evidence of any known contamination concerns, the rezoning to Residential District Three (R-3) for the proposed 16-lot residential subdivision will not create any hazard to human health.

8. The rezoning from S-A to Residential District Three (R-3) will increase the intensity of use from one single-family dwelling to a total of 15 dwellings. The proposed residential subdivision will be consistent with the scale of surrounding land uses and approximately 1.5 acres of the 6.7-acre site will remain as permanent open space. In addition, there will be no change to existing agricultural, public-open space or recreational resources, as the current land use is not agricultural, or publically-owned open space, or publically-owned recreation resources.

9. The rezoning to Residential District Three (R-3) for the proposed 16-lot residential subdivision will increase the number of people using the site over its previous level of use. However, based on inter-departmental reviews, the existing water, sewer, storm water and street infrastructure have or will have sufficient capacity to serve the proposed 15 single-family dwellings to adequately handle the anticipated increase without significant adverse impact to those existing systems.

10. The rezoning of the subject site will allow for the construction of approximately 15 single-family dwellings, contrasted with 4-6 single-family dwellings that could be allowed under the current S-A zoning designation.

11. Dodge Road is a County collector roadway as stated in the Town's Bicentennial Comprehensive Plan. The Town Traffic Safety Board on September 7, 2021 reviewed the application and EAF submitted on August 16, 2021, and concluded that significant negative traffic impacts are not expected to result from the proposed project.

Attachment: SUB-2024-02_K_application_101724 (29335 : SUB-2024-02SK, 1789 Dodge Road)

12. Coordinated reviews of the project have been undertaken by Town Departments including Building on August 26, 2021, Engineering on August 24, 2021, Highway on May 11, 2021, Traffic/Safety Board on September 7, 2021, Assessor on August 19, 2021, Fire Chiefs' Council on September 10, 2021, and Right-of-Way Agent on August 19, 2021 along with outside agencies including Erie County Department of Environment & Planning on September 23, 2021. These reviews have not identified any significant environmental issues and indicate that the proposal will not have a significant damaging impact on the environment.

13. Issues not specifically mentioned above and/or those not specifically reviewed were not raised by Town departments, outside agencies or the public and are not determined to be causing significant negative environmental impacts.

Gary Palumbo, Associate Planner — 7.23.2024 date

Brian J. Kulpa, Supervisor — 7/29/24 date

GP/ac
X:\Current_Planning\Files\Rezonings\2020\Z-2020-15_(1789_Dodge_Rd)_2020\Z-2020-15_TB Neg Dec__072224.docx
cc: Amherst Town Clerk
Amherst Building Department
ECDEP
NYSDEC
NYSDOT
Sean Hopkins, Esq., Hopkins Sorgi & McCarthy, 5500 Main St., Ste. 343, Williamsville, NY 14221
Joe Rubino, Hopkins Sorgi & McCarthy, PLLC, 5500 Main St., Ste. 343, Williamsville, NY 14221
Christopher Wood, P.E., Carmina Wood Morris, DPC, 487 Main St., Suite 600, Buffalo, NY 14202
Robert C. Walter, 2765 Dodge Rd., E. Amherst, NY 14051

Attachment: SUB-2024-02_K_application_101724 (29335 : SUB-2024-02SK, 1789 Dodge Road)

TOWN OF AMHERST

TOWN CLERK'S OFFICE

6583 MAIN STREET
WILLIAMSVILLE, NEW YORK 14221
(716) 631-7021
FAX (716) 631-7152
www.amherst.ny.us

Francina J. Spoth
Town Clerk

Timothy Koller
Deputy Town Clerk

CERTIFICATE OF TOWN CLERK

I, Francina J. Spoth, Town Clerk of the Town of Amherst, in the County of Erie, State of New York, HEREBY CERTIFY, as follows:

That the attached Resolution 2024-539 "Adoption of Local Law to Amend the Zoning Map (1789 Dodge Road, Z-2020-15)" is a true and exact copy of the Resolution enacted by the Town Board at its meeting on July 22, 2024.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed the corporate seal of said Town of Amherst this 2nd day of August, 2024.

Francina J. Spoth
Town Clerk
Town of Amherst, Erie County, NY

Sworn to before me
This 2nd day of August, 2024

Notary Public

TIMOTHY J. KOLLER
No. 01KO6263885
Notary Public, State of New York
Qualified in Erie County
My Commission Expires 06/11/2028

Attachment: SUB-2024-02_K_application_101724 (29335 : SUB-2024-02SK, 1789 Dodge Road)

Amherst Town Board
5583 Main Street
Williamsville, NY 14221
www.amherst.ny.us

Francine J. Spoth
Town Clerk

Meeting: 07/22/24 07:00 PM
Department: Town Clerk
Initiated by: **Timothy Koller**
Co-Sponsored by:

DOC ID: 29162 **RESOLUTION 2024-539** **ROLL CALL VOTE (ADOPTED)**

Adoption of Local Law to Amend the Zoning Map (1789 Dodge Road, Z-2020-15)

RESOLVED, that pursuant to 6NYCRR Part 617 (SEQR) and Town Code Section 104, as amended, that the requirements of SEQR have been completed and the Town Board issues the attached Negative Declaration, and be it further

RESOLVED, that pursuant to NYS Town Law Sec.272-a, the Town Board does not concur with the findings of the Planning Board as stated in their resolution of September 23, 2021 that the proposed Single Family Residential District Three (R-3) zoning at 1789 Dodge Road is generally inconsistent with the policies of the adopted Bicentennial Comprehensive Plan, and is not compatible with the present zoning and conforming use of nearby property and with the character of the neighborhood, and be it further

RESOLVED, that the Town Board does find that the proposed Residential District Three (R-3) zoning at 1789 Dodge Road is consistent with the adopted Bicentennial Comprehensive Plan because the proposal provides single-family residential density within the target range (2-4 units/acre) as established by Section 3.3.1 of the Bicentennial Comprehensive Plan for single family residential uses and further depicted by Figure 6 of the Plan and is consistent in character with the other single-family subdivisions in the vicinity, which are predominantly single family homes, and be it further

RESOLVED, that the Town Board does find that the proposal is consistent with the adopted Bicentennial Comprehensive Plan because the proposal will incorporate design changes that reflect a mutually beneficial transition between the R-3 zoning to the surrounding S-A zoning by utilizing perimeter open spaces, a 75-foot natural buffer / no build area along the Dodge Road frontage, and be it further

RESOLVED, that in accordance with Chapter 203, Section 8-3-6 of the Town Code (Zoning), the Town Board adopts Local Law ( ) to amend the Town Zoning map from Suburban Agriculture (SA) to Residential District Three (R-3) subject to the following conditions:

1. That future development of the site shall be limited to single family detached residential uses with a maximum yield of fifteen (15) homes.
2. That any future development of a principal or accessory structure or uses in the 2.7 acres of Permanent Open Space shall be prohibited. The only proposed development of the portion of the Permanent Open Space is limited to required stormwater management system improvements and utility infrastructure.
3. That a protective covenant/conservation easement shall be placed on all proposed open space and confirm total acreage to be under the control of a home owners association.
4. That the final plat design shall include a right-of-way access to a potential

Attachment: SUB-2024-02_K_application_101724 (29335 : SUB-2024-02SK, 1789 Dodge Road)

future Youngs Road extension.

5. That the landscaping and screening to be provided in the Permanent Open Space along the Dodge Road frontage of the project site shall require the approval of the Planning Board at the Preliminary Plat Application stage of the subdivision review process.
6. Any future Preliminary Plat that shall be submitted to the Planning Board shall consider provisions for future access to the north and south of the subject property.

6/24/2024

A motion to open the public hearing was made by Supervisor Kulpa, seconded by Deputy Supervisor Lavin and unanimously approved 4-0. The public hearing was opened at 7:27 PM.

Sean Hopkins, Esq. and Joe Rubino presented and answered questions.

The following speakers addressed the Board:
William Pitz, 1815 Dodge Rd
Cheryl Anastasia, 1860 Dodge Rd
Nancy Fender, 101 Main St
John Hamsik, 1820 Dodge Rd
Pam Curcio, 1745 Dodge Rd
Jina Gentry, 65 Bissell Dr
Merja Kenola, 1800 Dodge Rd
Sandy Mack, 1790 Dodge Rd
Nick Rockwell, 1765 Dodge Rd
Bob Drdul, 92 Chateau Ter
Don Smith, 201 N Long St

There were no further speakers from the public, therefore Supervisor Kulpa moved to close the hearing and set a decision date for the July 22nd Town Board meeting, seconded by Deputy Supervisor Lavin and unanimously approved 4-0. The public hearing was closed at 8:38 PM.

7/22/2024

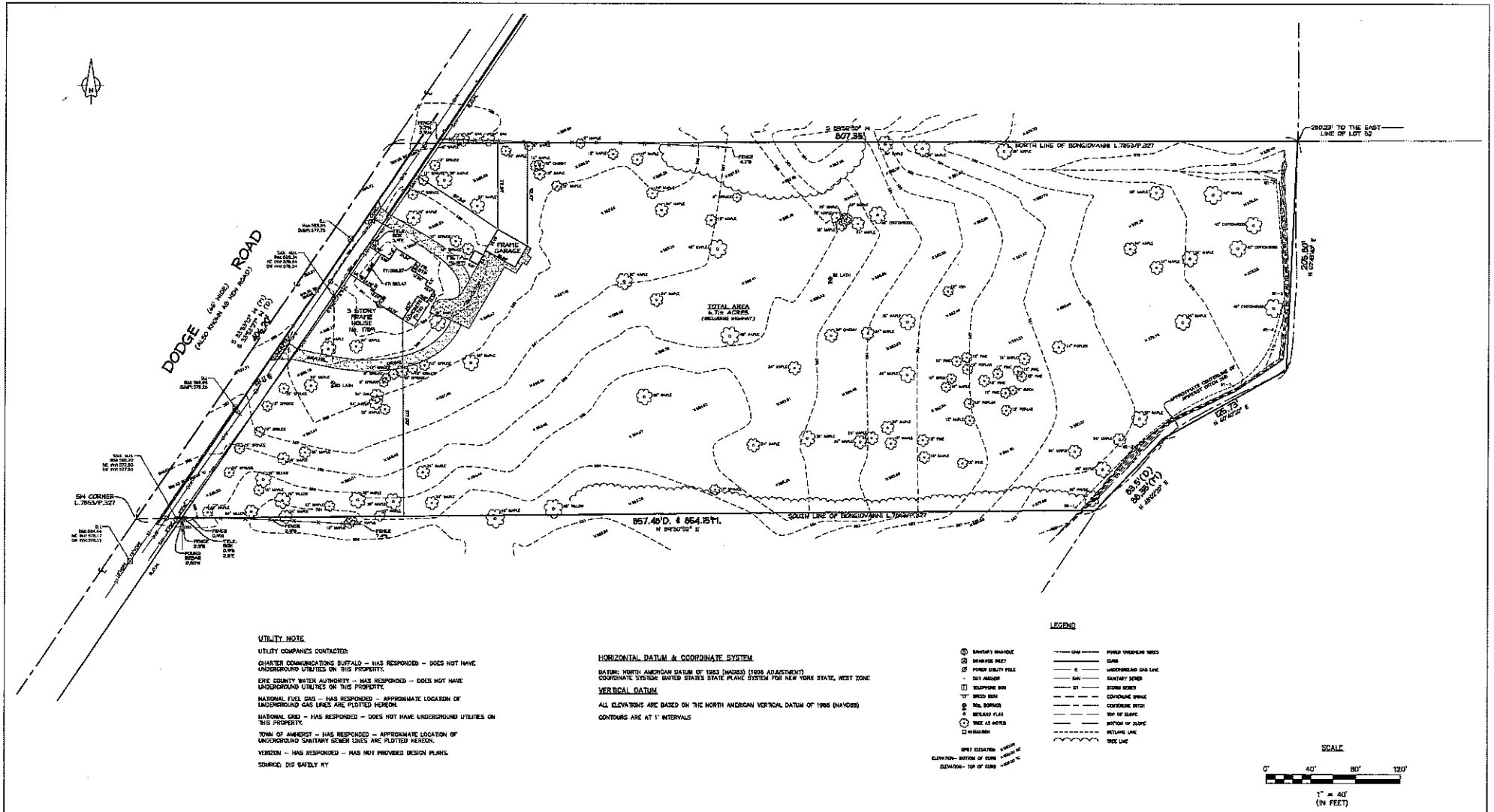
A motion to approve was made by Supervisor Kulpa, seconded by Deputy Supervisor Lavin and was approved via Roll Call vote 4-1 (nay, Kulpa).

RESULT:	**ROLL CALL VOTE (ADOPTED) [4 TO 1]**
MOVER:	Brian J. Kulpa, Supervisor
SECONDER:	Shawn Lavin, Deputy Supervisor
AYES:	Lavin, Berger, Szukala, Marinucci
NAYS:	Kulpa

Attachment: SUB-2024-02_K_application_101724 (29335 : SUB-2024-02SK, 1789 Dodge Road)

Exhibit 3

Attachment: SUB-2024-02_K_application_101724 (29335 : SUB-2024-02SK, 1789 Dodge Road)



UTILITY NOTE

UTILITY COMPANIES CONTACTED:

CHARTER COMMUNICATIONS BUFFALO – HAS RESPONDED – DOES NOT HAVE UNDERGROUND UTILITIES ON THIS PROPERTY.

ERIE COUNTY WATER AUTHORITY – HAS RESPONDED – DOES NOT HAVE UNDERGROUND UTILITIES ON THIS PROPERTY.

NATIONAL FUEL GAS – HAS RESPONDED – APPROXIMATE LOCATION OF UNDERGROUND GAS LINES ARE PLOTTED HEREON.

NATIONAL GRID – HAS RESPONDED – DOES NOT HAVE UNDERGROUND UTILITIES ON THIS PROPERTY.

TOWN OF AMHERST – HAS RESPONDED – APPROXIMATE LOCATION OF UNDERGROUND SANITARY SEWER LINES ARE PLOTTED HEREON.

VERIZON – HAS RESPONDED – HAS NOT PROVIDED DESIGN PLANS.

SOURCE: DIG SAFELY NY

HORIZONTAL DATUM & COORDINATE SYSTEM

DATUM: NORTH AMERICAN DATUM OF 1983 (NAD83) (1996 ADJUSTMENT)
COORDINATE SYSTEM: UNITED STATES STATE PLANE SYSTEM FOR NEW YORK STATE, WEST ZONE

VERTICAL DATUM

ALL ELEVATIONS ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88)

CONTOURS ARE AT 1' INTERVALS

LEGEND

SANITARY MANHOLE
DRAINAGE INLET
POWER UTILITY POLE
GUY ANCHOR
TELEPHONE RISER
SPEED RISER
SOIL BORINGS
BENCHMARK FLAG
TREE AS NOTED
WATER MANHOLE
SPOT ELEVATION
ELEVATION- BOTTOM OF CURB
ELEVATION- TOP OF CURB
POWER OVERHEAD WIRES
CURB
UNDERGROUND GAS LINE
SANITARY SEWER
STORM SEWER
CENTERLINE SWALE
CENTERLINE DITCH
TOP OF SLOPE
BOTTOM OF SLOPE
WETLAND LINE
TREE LINE

3556 Lake Shore Road, Suite 500, Buffalo, NY 14219
p (716) 822-4000 f (716) 250-6091 www.nussbaumerclarke.com

NUSSBAUMER & CLARKE, INC. ENGINEERS AND SURVEYORS

TOPOGRAPHIC SURVEY

1789 Dodge Road
Part of Lot 52, Township 12, Range 7
Holland Land Company's Survey
Town of Amherst
County of Erie, State of New York

Date of Survey: 12/30/2020 Scale: 1" = 40' Project No.: 2022-15270

Attachment: SUB-2024-02_K_application_101724 (29335 : SUB-2024-02SK, 1789 Dodge Road)

New York State Department of Environmental Conservation
Division of Environmental Permits
NYSDEC Region 9 Headquarters
700 Delaware Ave
Buffalo, NY 14209
(716) 851-7165

August 19, 2024

JOSEPH RUBINO
5570 MAIN ST
WILLIAMSVILLE, NY 14221

Re: DEC ID # 9-1422-00629/00001
1789 DODGE RD SUBDIVISION

Dear Applicant :

Please be advised that your application for a DEC permit(s) is complete and a technical review has commenced. Notice and the opportunity for public comment is required for this application. Enclosed is a Notice of Complete Application for your project. Please have the Notice published in the newspaper identified below once during the week of 08/19/2024 on any day Monday through Friday.

AMHERST BEE
5564 MAIN ST
PO BOX 150
BUFFALO, NY 14231-0150

On the Notice of Complete Application, that information presented between the horizontal lines, on the enclosed page(s) should be published. Do not print this letter or the information contained below the second horizontal line. Please request the newspaper publisher to provide you with a Proof of Publication for the Notice. Upon receipt of the Proof of Publication promptly forward it to this office. You must provide the Proof of Publication before a final decision can be rendered on your application. You are responsible for paying the cost of publishing the Notice in the newspaper.

Notification of this complete application is also being provided by this Department in the NYSDEC Environmental Notice Bulletin.

This notification does not signify approval of your application for permit. Additional information may be requested from you at a future date, if deemed necessary to reach a decision on your application. Your project is classified major under the Uniform Procedures Act. Accordingly, a decision is due within 90 days of the date of this notice unless a public hearing is held, which may extend this time frame. If a public hearing is necessary, you will be notified.

If you have any questions please contact me at the above address or phone number above.

Sincerely,

BRUNO A DIBELLA
Division of Environmental Permits

Attachment: SUB-2024-02_K_application_101724 (29335 : SUB-2024-02SK, 1789 Dodge Road)

THIS IS NOT A PERMIT

New York State Department of Environmental Conservation
Notice of Complete Application

Date: 08/12/2024

Applicant: JOSEPH RUBINO

Facility: 1789 DODGE RD SUBDIVISION
1789 Dodge Rd
Amherst, NY 14221

Application ID: 9-1422-00629/00001

Permits(s) Applied for: 1 - Article 24 Freshwater Wetlands

Project is located: in AMHERST in ERIE COUNTY

Project Description:
The Department has received a permit application for the temporary impact to 0.14 acres of the regulated 100 foot adjacent area (AA) of NYSDEC Freshwater Wetland (FWW) CC-15 as a result of minor grading for lot number 9 and the road terminus for the proposed subdivision. The project is located on 1789 Dodge Road in the Town of Amherst. The project meets the Department's Part 663 compatibility and weighing standards. The Department is seeking comments on the proposed regulated activity prior to making a final decision on permit issuance.

Availability of Application Documents:
Filed application documents, and Department draft permits where applicable, are available for inspection during normal business hours at the address of the contact person. To ensure timely service at the time of inspection, it is recommended that an appointment be made with the contact person.

State Environmental Quality Review (SEQR) Determination
Project is a Type I action and will not have a significant effect on the environment. A coordinated review with other involved agencies was performed and a Negative Declaration is on file.

SEQR Lead Agency Amherst Town Planning Board

State Historic Preservation Act (SHPA) Determination
Cultural resource lists and maps have been checked. The proposed activity is not in an area of identified archaeological sensitivity and no known registered, eligible or inventoried archaeological sites or historic structures were identified or documented for the project location. No further review in accordance with SHPA is required.

DEC Commissioner Policy 29, Environmental Justice and Permitting (CP-29)
It has been determined that the proposed action is not subject to CP-29.

Attachment: SUB-2024-02_K_application_101724 (29335 : SUB-2024-02SK, 1789 Dodge Road)

Availability For Public Comment

Comments on this project must be submitted in writing to the Contact Person no later than 09/05/2024 or 15 days after the publication date of this notice, whichever is later.

Contact Person

BRUNO A DIBELLA
NYSDEC
700 Delaware Ave
Buffalo, NY 14209
(716) 851-7165

CC List for Complete Notice

Angie Driscoll NYSDEC
Scott Livingstone EDI Inc
Hon Brian Kulpa Town of Amherst
ENB
File

Attachment: SUB-2024-02_K_application_101724 (29335 : SUB-2024-02SK, 1789 Dodge Road)

Wetland and Waterbodies Delineation Report

for

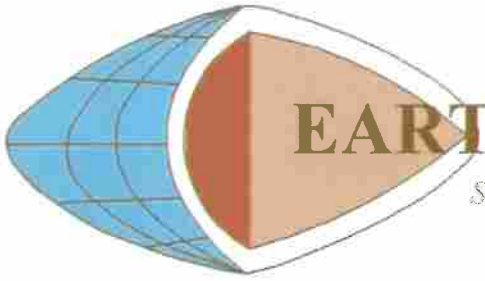
1789 DODGE ROAD

Town of Amherst

Erie County, New York

for

Joe Rubino



EARTH DIMENSIONS, INC.

Soils Investigations • Wetland Delineations

December 21, 2020
EDI Project Code: **W20J20a**

Attachment: SUB-2024-02_K_application_101724 (29335 : SUB-2024-02SK, 1789 Dodge Road)

REPORT SUMMARIZING
THE RESULTS OF
A WETLAND DELINEATION SURVEY OF

1789 DODGE ROAD

Prepared for Submission to:

U.S. ARMY CORPS OF ENGINEERS
1776 NIAGARA STREET
BUFFALO, NEW YORK 14207

AND

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
270 MICHIGAN AVENUE
BUFFALO, NEW YORK 14203

Prepared By:

EARTH DIMENSIONS, INC.
1091 JAMISON ROAD
ELMA, NEW YORK 14059

Prepared For:

JOE RUBINO
HOWARD HANNA OFFICE
4562 SHERIDAN DRIVE
WILLIAMSVILLE, NEW YORK 14221

REPORT DATE: December 21, 2020

EDI PROJECT CODE: W20J20a

Attachment: SUB-2024-02_K_application_101724 (29335 : SUB-2024-02SK, 1789 Dodge Road)

PROJECT INFORMATION

Project Name	1789 Dodge Road
Street Address	1789 Dodge Road
SBL Number	42.00-1-45.2
Town	Clarence Center
County	Erie
State	New York
Latitude/Longitude (NAD83)	43.02971°N, 78.72732°W
Investigation Area	6.71± Acres
USGS 7.5 Minute Topographical Map	Clarence Center Quadrangle
Waterway	tributary to Ransom Creek
Hydrologic Unit Code	04120104
Date of Delineation	November 23, 2020
Consultant	Earth Dimensions, Inc. 1091 Jamison Road Elma, New York 14059
Point of Contact	Scott Livingstone (716) 655-1717 slivingstone@earthdimensions.com
Engineer	NA
Property Owner	Joe Rubino
Authority	Section 404, Article 24
Permit/Letter Being Requested	Jurisdictional Determination

Attachment: SUB-2024-02_K_application_101724 (29335 : SUB-2024-02SK, 1789 Dodge Road)

TABLE OF CONTENTS

Executive Summary ii

Table 1: Wetland Summary ii

Table 2: Stream & Drainage Summary ii

Section I: Introduction 1

Section II: Site Description 2

Section III: Preliminary Data Review 3

A. SUMMARY OF FINDINGS 3

1. USGS 7.5 Minute Topographical Map 3

2. USFWS National Wetlands Inventory Map 3

3. Natural Resources Conservation Service Soils Map 3

4. NYSDEC Freshwater Wetlands Map 4

B. RESULTS OF AGENCY INFORMATION REVIEW 4

Section IV: Field Investigation Procedures 6

Wetlands: 6

Streams & Drainages: 9

Section V: Results And Conclusions 11

Section VI: Recommendations 13

Appendix A - Figures

Figure 1: USGS 7.5 Minute Topographical Map

Figure 2: National Wetlands Inventory Map

Figure 3: NRCS Erie County Soil Survey Map

Figure 4: NYSDEC Environmental Resource Mapper

Figure 5: General Vegetation Map

Figure 6: Wetland Delineation Map

Figure 7: Drainage Map

Figure 8: Site Aerial Photograph

Appendix B – Data Sheets

Appendix C - Site Photographs

Appendix D - References

Appendix E - Wetland Investigation Personnel

Attachment: SUB-2024-02_K_application_101724 (29335 : SUB-2024-02SK, 1789 Dodge Road)

EXECUTIVE SUMMARY

Joe Rubino has proposed the development of a 6.71± acre parcel located along the east side of Dodge Road in the Town of Amherst, County of Erie, and State of New York. Joe Rubino has retained Earth Dimensions, Inc. (EDI) to complete a wetland delineation report that would allow the U.S. Army Corps of Engineers (USACE) and New York State Department of Environmental Conservation (NYSDEC) to determine their jurisdictional authority over the investigation area, pursuant to Section 404 of the Clean Water Act and Articles 15 (Protection of Waters) and 24 (Freshwater Wetlands) of the New York State Environmental Conservation Law.

A preliminary review of available information pertaining to vegetation, soils, and hydrology in the project area was implemented prior to conducting a field investigation at the site. Sources of information included the United States Geological Survey (USGS), Natural Resources Conservation Service (NRCS), National Wetland Inventory (NWI), and NYSDEC Freshwater Wetland maps. The USGS, NRCS and NWI maps indicate the potential for wetlands under federal jurisdiction. The NYSDEC map indicates the potential for wetland under state jurisdiction.

EDI applied methodology specified by the Corps of Engineers Wetlands Delineation Manual (January 1987) and Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Northcentral and Northeast Region Version 2.0 (January 2012) to perform a delineation of Federal jurisdictional wetlands within the site. EDI identified one (1) wetland area totaling 0.054± acre within the investigation area. A tributary to Ransom Creek flows along the eastern limits of the investigation area. The identification number of the wetland, its acreage and boundary flags are as follows:

TABLE 1: WETLAND SUMMARY

Wetland Identification #	Geographic Center (NAD83)		Boundary Flag #	Total Acreage On-site	Wetland Type (Cowardin)	Wetland Type (Reschke)	Jurisdictional Determination
	Latitude	Longitude					
Wetland 1	43.02960	78.72558	W1-1 through W1-7	0.054±	R4SBC	Riverine	Jurisdictional
Total Wetland Acreage:				0.054±			

TABLE 2: STREAM & DRAINAGE SUMMARY

Stream Identification #	Waterway	DEC Class	Linear Feet On-site	Highwater Width (Ft)	Flow Regime	Substrate	Classification (Cowardin)	Jurisdictional Determinatio
Stream 1	UNT to Ransom Creek/ Town of Amherst Ditch 26B	C	436.3 feet	20 to 25	Intermittent	Organic, silt	R4SB6	Jurisdictional

Attachment: SUB-2024-02_K_application_101724 (29335 : SUB-2024-02SK, 1789 Dodge Road)

SECTION I: INTRODUCTION

Joe Rubino has proposed the development of a 6.71± acre parcel on the east side of Dodge Road in the Town of Amherst, County of Erie, and State of New York. The project has been given the name 1789 Dodge Road and is located on USGS 7.5 minute quadrangle map indexed as Clarence Center/2002 DeLorme (Figure 1). The field work was completed on November 23, 2020 using a hand held Garmin GPSmap 62s to locate wetland and drainage boundaries.

Howard Hanna has retained Earth Dimensions, Inc. (EDI) to complete a wetland delineation study at this site. The investigation was designed to facilitate a determination of the extent of USACE and NYSDEC jurisdiction over the project area pursuant to Section 404 of the Clean Water Act and Articles 15 (Protection of Waters) and 24 (Freshwater Wetlands) of the New York State Environmental Conservation Law.

EDI has performed a wetland delineation study at the site under guidelines specified by the *Corps of Engineers Wetlands Delineation Manual*, dated January 1987 (referred to hereafter as the Corps Manual) and the *Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Northcentral and Northeast Region version 2.0* (January 2012) (referred to hereafter as the Northcentral and Northeast Regional Supplement). The purpose of this report is to present EDI's methods, results, conclusions and recommendations with respect to the 1789 Dodge Road project site.

Attachment: SUB-2024-02_K_application_101724 (29335 : SUB-2024-02SK, 1789 Dodge Road)

SECTION II: SITE DESCRIPTION

The 1789 Dodge Road project area is comprised of a 6.71± acre irregular shaped investigation area on the east side of Dodge Road which is outlined on Figure 1 and depicted on the Wetland Delineation Map included in Appendix A (Figure 6).

The natural topography of the 1789 Dodge Road site is flat to gently sloping. The uplands within the investigation area consisted of successional northern hardwoods and mown lawn communities. The wetland area was found to consist of a shallow emergent marsh community. The vegetative communities of the investigation area are described according to *Ecological Communities of New York State* (Edinger et al. 2014).

Attachment: SUB-2024-02_K_application_101724 (29335 : SUB-2024-02SK, 1789 Dodge Road)

SECTION III: PRELIMINARY DATA REVIEW

A. SUMMARY OF FINDINGS

Several sources of information may be reviewed to facilitate the completion of a wetland delineation study. In some cases it is even possible to make a preliminary office wetland determination based upon available vegetation, soils, and hydrologic information for a project area. EDI completed a preliminary review of several data sources at the onset of this study. The results of the review are summarized as follows:

1. USGS 7.5 MINUTE TOPOGRAPHICAL MAP

Figure 1 depicts the 1789 Dodge Road project site on the Clarence Center/2002 DeLorme quadrangle map. The figure depicts the flat to gently sloping topography of the site. A tributary to Ransom Creek is depicted along the eastern limits of the investigation area.

2. USFWS NATIONAL WETLANDS INVENTORY MAP

The National Wetlands Inventory (NWI) map obtained from the USFWS Wetland Mapper http://www.fws.gov/wetlands/Data/Mapper.html displays two (2) streams, R4SBCx and R4SBC within the investigation area. The streams can be decoded as:

[R] Riverine, [4] Intermittent, [SB] Stream Bed, [C] Seasonally flooded, [x] excavated; and

[R] Riverine, [4] Intermittent, [SB] Stream Bed, [C] Seasonally flooded

3. NATURAL RESOURCES CONSERVATION SERVICE SOILS MAP

Figure 3 presents the project area outlined on a copy of the Erie County Soil Survey map from the National Cooperative Soil Survey. As shown on that figure, the site has the following soil types:

Soil Conservation Service Legend

Map Unit Symbol	Map Unit Name	Hydric Soil/Inclusions?
Ch	Cheektowaga fine sandy loam	Hydric Soil
ElB	Elnora loamy fine sand, 3 to 8 percent slopes	Inclusions Unlikely
Wd	Wayland soils complex, 0 to 3 percent slopes	Hydric Soil

Attachment: SUB-2024-02_K_application_101724 (29335 : SUB-2024-02SK, 1789 Dodge Road)

Cheektowaga: The Cheektowaga series consists of very deep, poorly drained and very poorly drained soils formed in sandy deposits overlying clayey lacustrine sediments. They are nearly level soils on lake plains. Permeability is rapid in the surface and sandy subsoil, and slow or very slow in the substratum. Mean annual temperature is 48 degrees F., and mean annual precipitation is 40 inches.

Elnora: The Elnora series consists of very deep, moderately well drained soils formed in sandy glacial lake, eolian, and deltaic sediments. They are primarily on beach ridges and relict longshore bars on lake plains. Permeability is rapid. Slopes range from 0 to 8 percent. The mean annual temperature is 49 degrees F, and mean annual precipitation is 37 inches.

Wayland: The Wayland series consists of very deep, poorly drained and very poorly drained, nearly level soils formed in recent alluvium. These soils are in low areas or slackwater areas on flood plains. Saturated hydraulic conductivity is moderately high or high in the mineral soil. Slope ranges from 0 through 3 percent. Mean annual temperature is about 8 degrees C (46 degrees F) and mean annual precipitation is about 1080 mm (42.5 in).

The U.S. Department of Agriculture's National Technical Committee for Hydric Soils Criteria has developed a list of soils that often display hydric soil characteristics. Hydric soil typically forms in places of the landscape where surface water periodically collects for some time and/or where groundwater discharges sufficient to create waterlogged or anaerobic soils. Such anaerobic soils can support the growth and survival of hydrophytic vegetation that is tolerant of such conditions. Wayland and Cheektowaga are hydric soils and therefore may support wetland vegetation. Wetland hydrologic conditions, hydric soils, and hydrophytic vegetation are the three criteria of a wetland.

4. NYSDEC Freshwater Wetlands Map

The NYSDEC Freshwater Wetlands map obtained from the online NYSDEC Environmental Resource Mapper displays state jurisdictional Freshwater Wetland CC-15 within and adjacent to the investigation area pertaining primarily to the Ransom Creek floodplain.

B. RESULTS OF AGENCY INFORMATION REVIEW

The preliminary data review revealed that the Corps may have jurisdiction over wetlands at the project location. The evidence consisted of potential federally regulated wetlands on the NWI map (Figure 2) and hydric soils and soils with possible inclusions depicted within the project area as shown on the NRCS map (Figure 3). The preliminary data review indicated that NYSDEC may have jurisdiction

Attachment: SUB-2024-02_K_application_101724 (29335 : SUB-2024-02SK, 1789 Dodge Road)

SECTION IV: FIELD INVESTIGATION PROCEDURES

WETLANDS:

Step 1

EDI applied methodology specified by the 1987 Corps of Engineers Wetlands Delineation Manual and Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Northcentral and Northeast Region to perform a delineation of Federal jurisdictional wetlands within the site. EDI used the Level 2 Routine Determination method (on-site inspection necessary) since insufficient information was available for making a determination for the entire project area. This methodology is consistent with Part IV, Section D of the Corps Manual.

Step 2

EDI's initial evaluation of the project area revealed that no atypical situations existed. If an atypical situation had existed, EDI would have used methodology outlined in Part IV, Section F of the Corps manual and/or Section 5 of the Northcentral and Northeast Supplement.

Step 3

EDI made the determination that normal environmental conditions were present, as the area was not lacking hydrophytic vegetation or hydrologic indicators due to annual, seasonal or long-term fluctuations in precipitation, surface water, or groundwater levels. The Northcentral and Northeast Supplement defines the growing season as beginning when one of the following indicators of biological activity are evident in a given year: (1) above-ground growth and development of vascular plants and/or (2) soil temperature measured at 12" below ground surface reaches 41°F. The end of the growing season is defined as the point at which deciduous species lose their leaves or the last herbaceous plants cease flowering and their leaves become dry or brown, whichever comes latest.

Step 4

In order to accurately identify the limits of various vegetative communities and extent of wetlands on-site, a routine determination method was used. As depicted in Appendix A and included in Appendix B, two (2) data points were used to characterize the site.

Attachment: SUB-2024-02_K_application_101724 (29335 : SUB-2024-02SK, 1789 Dodge Road)

Step 5

The plant community inhabiting each observation point was characterized in accordance with methods specified in the Northcentral and Northeast Regional Supplement. Dominant plant species were identified within four vegetative strata (i.e. herb, sapling/shrub, tree and liana (woody vines) at each sampling point. The Northcentral and Northeast Regional Supplement defines the vegetative strata in the following manner:

Herb – A non-woody individual of a macrophytic species. Seedlings of woody plants (including vines) that are less than 3.28 feet in height are considered to be herbs.

Sapling/Shrub – A layer of vegetation composed of woody plants < 3.0 inches in diameter at breast height but greater than 3.28 feet in height, exclusive of woody vines.

Tree – A woody plant > 3.0 inches in diameter at breast height, regardless of height (exclusive of woody vines)

Liana – A layer of vegetation in forested plant communities that consist of woody vines greater than 3.28 feet in height.

As outlined in the manual, the quadrant sizes used for the vegetative strata were (i) a 3.28-foot radius for herbs; (ii) a ten-foot radius for saplings/shrubs and woody vines; and (iii) a 30-foot radius for trees. Dominant plant species were estimated using aerial coverage methods. Dominant species are defined in the Corps Manual as the most abundant plant species that when ranked in descending order of abundance and cumulatively totaled immediately exceed 50 percent of the total dominance measure for the stratum, plus any additional species comprising 20 percent or more of the total dominance measure.

The wetland indicator status (OBL, FACW, FAC, FACU, or UPL) listed for each identified species by the U.S. Fish and Wildlife Service in the National List of Plant Species that Occur in Wetlands: Northeast (Region 1) was recorded. The U.S. Fish and Wildlife wetland indicator status listings are defined as follows:

OBL – Plants that occur almost always (estimated probability >99 percent) in wetlands under natural conditions, but which may also occur rarely (estimated probability < 1 percent) in nonwetlands.

FACW – Plants that occur usually (estimated probability >67 percent to 99 percent) in wetlands, but also occur (estimated probability 1 percent to 33 percent) in nonwetlands.

Attachment: SUB-2024-02_K_application_101724 (29335 : SUB-2024-02SK, 1789 Dodge Road)

FAC – Plants with a similar likelihood (estimated probability 33 percent to 67 percent) of occurring in both wetlands and nonwetlands.

FACU – Plants that occur sometimes (estimated probability 1 percent to <33 percent) in wetlands, but occur more often (estimated probability >67 percent to 99 percent) in nonwetlands.

UPL – Plants that occur rarely (estimated probability < 1 percent) in wetlands, but occur almost always (estimated probability >99 percent) in nonwetlands under natural conditions.

The plant community data was summarized on the data forms provided in the Northcentral and Northeast Regional Supplement included in this report as Appendix B.

Step 6

Plant data from each observation point were tested against the hydrophytic vegetation criterion specified in the Corps Manual and Northcentral and Northeast Regional Supplement. The Northcentral and Northeast Regional Supplement identifies a four-tiered approach for making a determination of whether or not the hydrophytic vegetation criteria is met for a sample plot. Indicator 1 (Rapid Test for Hydrophytic Vegetation) was first applied to determine if all dominant species across all strata are rated OBL and/or FACW. If Indicator 1 did not meet the hydrophytic vegetation criteria, Indicator 2 was then applied (dominance test); if greater than 50% of all plant species across all strata were rated OBL, FACW, or FAC, the hydrophytic vegetation criteria was considered met. In rare cases, when Indicators 1 and 2 did not meet the hydrophytic vegetation criteria but soils and hydrology criteria were met, Indicators 3 (Prevalence Index) and 4 (Morphological Adaptations) were used to make a final determination. All observation points that met the hydrophytic vegetation criterion were considered potential wetlands. Soils were then characterized.

Step 7

The Corps Manual specifies that soils need not be characterized (and are assumed hydric soils) at sampling points meeting the hydrophytic vegetation criterion if: (i) all dominant plant species have an indicator status of OBL, or (ii) all dominant species have an indicator status of OBL and/or FACW, and the wetland boundary is abrupt (at least one dominant OBL species must be present). All observation points sampled during this field investigation were examined directly for soil and hydrologic characteristics.

Attachment: SUB-2024-02_K_application_101724 (29335 : SUB-2024-02SK, 1789 Dodge Road)

Step 8

At observation points requiring a soil evaluation, soil borings were performed by an EDI Soil Scientist using methods specified in the Northcentral and Northeast Regional Supplement. Soil pits were dug using a tile spade. Testpits were generally dug to a depth of 20 inches below ground surface. Soils were examined for any of the hydric soil indicators, as outlined in the Field Indicators of Hydric Soils in the United States. A determination was made as to whether or not the hydric soil criterion was met. Soils data was recorded on the data forms included in Appendix B of this report.

Step 9

EDI's Soil Scientist examined hydrologic indicators using methods specified by the Northcentral and Northeast Regional Supplement at each observation point. The wetland hydrology criterion was met if: (i) one or more primary field indicators was materially present, (ii) available hydrologic records provided necessary evidence, or (iii) two or more secondary indicators were present. Results were recorded on data forms taken from the Corps Manual and are included in this report as Appendix B.

Step 10

A wetland determination was made for every observation point. If a sample plot met the hydrophytic vegetation, hydric soil, and wetland hydrology criteria, the area was considered to be wetland.

Step 11

Based on the results of the transected data, wetland boundaries were established for each identified wetland using survey ribbon labeled "wetland delineation" and numbered consecutively along each wetland boundary. As outlined in the Corps Manual, the placement of flags was based on the limits of areas where all three parameters were met. Wetland flags were labeled W1-1 through W1-7.

STREAMS & DRAINAGES:

The federally regulated Ordinary High Water (OHW) mark of streams within the Project area were delineated utilizing the definitional criteria as presented in Title 33, Code of Federal Regulations, Part 328, and the USACE Regulatory Guidance Letter 05-05 – Guidance on Ordinary

Attachment: SUB-2024-02_K_application_101724 (29335 : SUB-2024-02SK, 1789 Dodge Road)

High Water Mark Identification. Each stream is categorized in regard to its flow regime as perennial, intermittent, or ephemeral, as defined by the USACE. The Ordinary High Water (OHW) mark for each stream is surveyed using the handheld Garmin GPSmap 62s. Each stream is assigned a letter designation, and survey points are numbered consecutively. Substrate characteristics and water depth are noted. Streams classified as AA, A, B, C, C(t), C(ts) and D in the State of New York are regulated by NYSDEC under Article 15 Use and Protection of Waters. Streams are given classifications which designate the level of protection afforded to each waterbody. Class AA and A are assigned to sources of drinking water. Class B streams are best suited for swimming and other contact recreation, but not drinking water. Class C streams identify waters that support fishing and non-contact activities. A classification with (t) designated a stream with the potential to support trout populations. A classification of (ts) identifies waters that may support trout spawning. Class D waters are the lowest classification, and are often highly imperiled.

Attachment: SUB-2024-02_K_application_101724 (29335 : SUB-2024-02SK, 1789 Dodge Road)

SECTION V: RESULTS AND CONCLUSIONS

Earth Dimensions, Inc. (EDI) has completed a wetland delineation study at the 1789 Dodge Road site located in the Town of Amherst, County of Erie, and State of New York. A field investigation was conducted by a Soil Scientist and a Wetland Ecologist from EDI. The wetland delineation study identified one (1) wetland totaling 0.054 ± acre present within the 1789 Dodge Road site. In addition, a 436.3 foot portion of a tributary to Ransom Creek/ Town of Amherst Ditch 26B, a Class C stream, was identified. No waterbodies were identified within the investigation area.

Figure 5 depicts the vegetative communities as they existed at the time of the investigation. The uplands within the investigation area were comprised of successional northern hardwoods and mown lawn communities. The wetland area was found to consist of a shallow emergent marsh community. The vegetative communities of the investigation area are described according to Ecological Communities of New York State (Edinger et al. 2014).

The successional northern hardwood community was dominated by the following species: box elder (*Acer negundo),* black willow (*Salix nigra),* common red raspberry (*Rubus idaeus),* multiflora rose (*Rosa multiflora),* dame's rocket (*Hesperis matronalis),* garlic mustard (*Aliaria petiolata),* white snake root (*Ageratina altissima),* orchard grass (*Dactylis glomerata),* enchanter's nightshade (*Circea lutetiana)* and sticky willy (*Galium aparine).*

The mown lawn (with some trees) community was dominated by the following species: red pine (*Pinus resinosa),* quaking aspen (*Populus tremuloides),* Kentucky bluegrass (*Poa pratensis*), pussy willow (*Salix discolor),* common dandelion (*Taraxacum officinale*), heal all (*Prunella vulgaris*), spreading bentgrass (*Agrostis stolonifera),* tall buttercup (*Ranunculus acris),* tatarian honeysuckle (*Lonicera tatarica*), red clover (*Trifolium pratensis),* ground ivy (*Glechoma hederacea)* and orchard grass (*Dactylis glomerata).*

Wetland W1 is a 0.054± acre shallow emergent marsh. No data was collected. It is EDI's professional opinion that Wetland W1/Stream 1 is Federally jurisdictional under the Navigable Waters Protection Rule since it is a perennial stream.

Attachment: SUB-2024-02_K_application_101724 (29335 : SUB-2024-02SK, 1789 Dodge Road)

Stream 1 is identified as a Tributary to Ransom Creek/ Town of Amherst Ditch 26B and flows north along the eastern limits of the site and ultimately empties into Ransom Creek. This intermittent channel is identified as a Class C stream by NYSDEC standards. The substrate consists of silt and gravel, with emergent vegetation along the banks. Within the project area, stream 1 is approximately 20-25 feet wide (30 feet at top of bank) with an average water depth of 6-24 inches.

A map which depicts the site boundaries and the location of all observation points established during the field survey is included as Figure 6 in Appendix A of this report. Data forms are included as Appendix B. Appendix C includes representative photographs of the project area. Appendix D notes the references used during the preparation of this report and during the field investigation. Appendix E provides the names, addresses and phone numbers of the survey personnel involved in the wetland delineation study.

Attachment: SUB-2024-02_K_application_101724 (29335 : SUB-2024-02SK, 1789 Dodge Road)

SECTION VI: RECOMMENDATIONS

One (1) wetland area and one (1) stream were identified during the course of a field investigation based upon the three parameter technique (vegetation, soils, and hydrology) outlined in the Corps Manual and Northcentral and Northeast Regional Supplement. It is EDI's professional opinion that wetland W1 is regulated by the USACE under Section 404 of the Clean Water Act. It is also EDI's opinion that wetland W1 is part of Freshwater Wetland CC-15 and would be regulated by NYSDEC under Article 24 of the New York Conservation Law. Stream 1 is regulated under both Section 404 and Article 15. USACE and NYSDEC approach their regulatory analyses by first considering avoidance of wetlands and minimization of wetland losses. EDI recommends the following:

(1) Submit this report to USACE and NYSDEC with a request for a wetland boundary confirmation and jurisdictional determination.

(2) If no impacts are proposed to federal or state regulated wetlands, state regulated 100-foot adjacent area or streams based on the outcome of the jurisdictional determination, it is the professional opinion of EDI that the project may proceed without the need for Section 404, Article 15 or Article 24 Permits.

(3) If any NYSDEC regulated upland adjacent area or federal or state jurisdictional wetland impacts are proposed, it is EDI's recommendation that a Joint Application for Permit and supporting documentation be submitted to the USACE and NYSDEC with a request for a Section 404 Permit, Section 401 Water Quality Certification, Article 15 Permit and/or an Article 24 Permit.

Attachment: SUB-2024-02_K_application_101724 (29335 : SUB-2024-02SK, 1789 Dodge Road)

1789 Dodge Road

Appendix A - Figures

Attachment: SUB-2024-02_K_application_101724 (29335 : SUB-2024-02SK, 1789 Dodge Road)

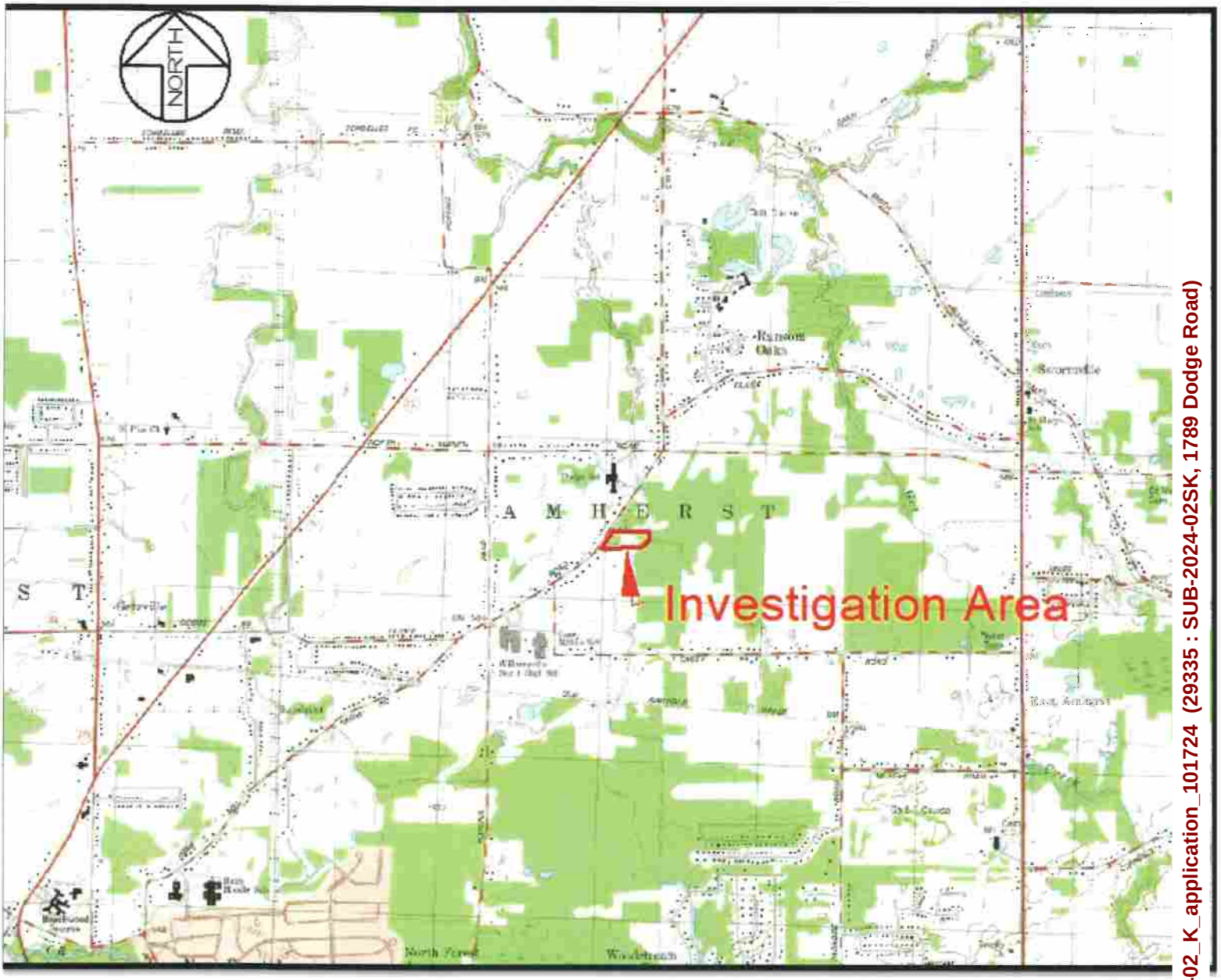


FIGURE 1: USGS 7.5 MINUTE TOPOGRAPHICAL MAP

Clarence Center Quadrangle / 2002 DeLorme

1789 Dodge Road

Town of Amherst, Erie County, New York

Attachment: SUB-2024-02_K_application_101724 (29335 : SUB-2024-02SK, 1789 Dodge Road)



FIGURE 2: NATIONAL WETLANDS INVENTORY MAP

http://www.fws.gov/wetlands/data/mapper.HTML (Visited 12/21/20)

1789 Dodge Road

Town of Amherst, Erie County, New York

Attachment: SUB-2024-02_K_application_101724 (29335 : SUB-2024-02SK, 1789 Dodge Road)

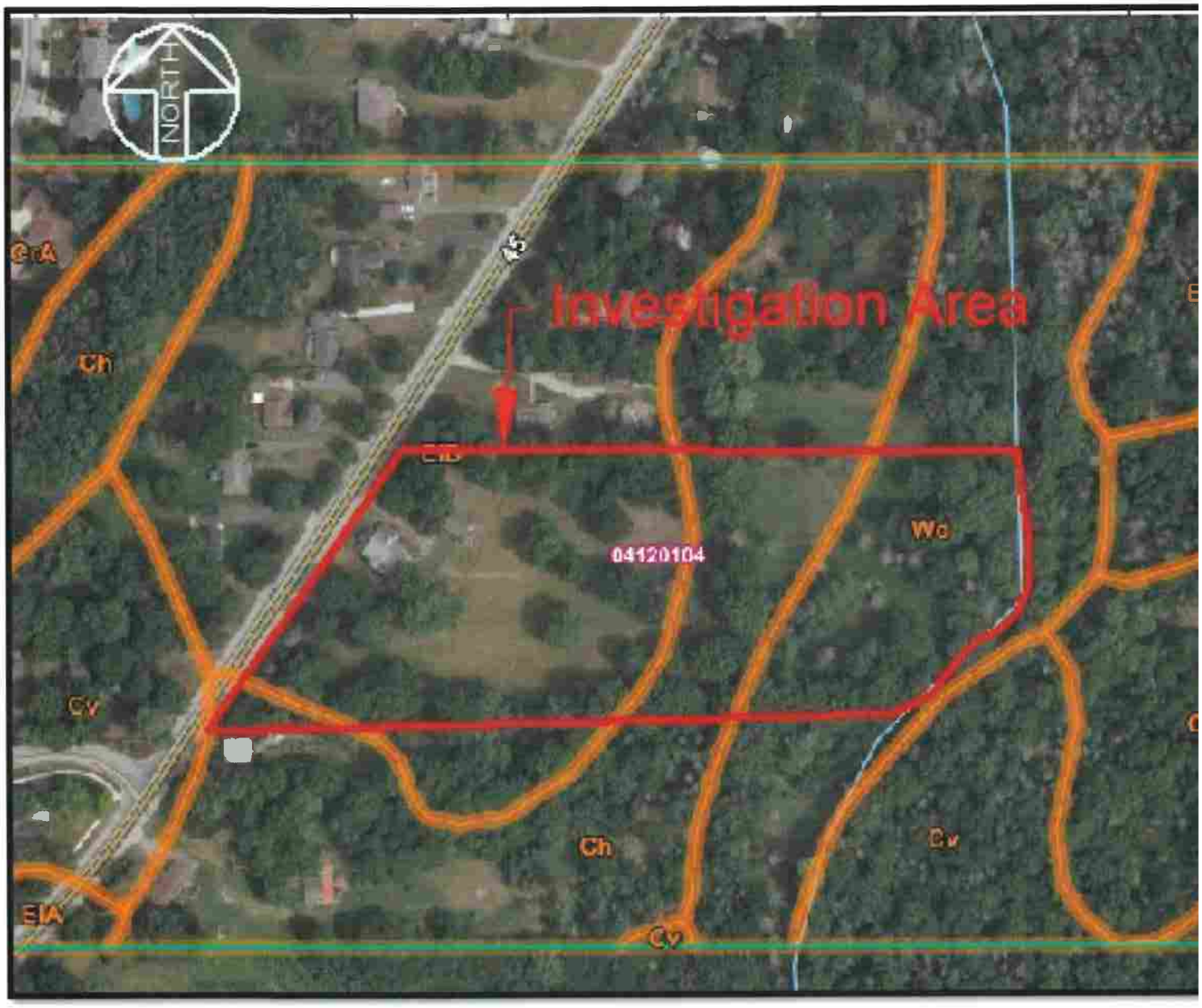


FIGURE 3: NRCS ERIE COUNTY SOIL SURVEY MAP

http://websoilsurvey.sc.egov.usda.gov/App/WebSoilSurvey.aspx (Visited 12/21/20)

1789 Dodge Road

Town of Amherst, Erie County, New York

Attachment: SUB-2024-02_K_application_101724 (29335 : SUB-2024-02SK, 1789 Dodge Road)



FIGURE 4: NYSDEC ENVIRONMENTAL RESOURCE MAPPER

http://www.dec.ny.gov/imsmaps/ERM/viewer.htm (Visited 12/21/20)

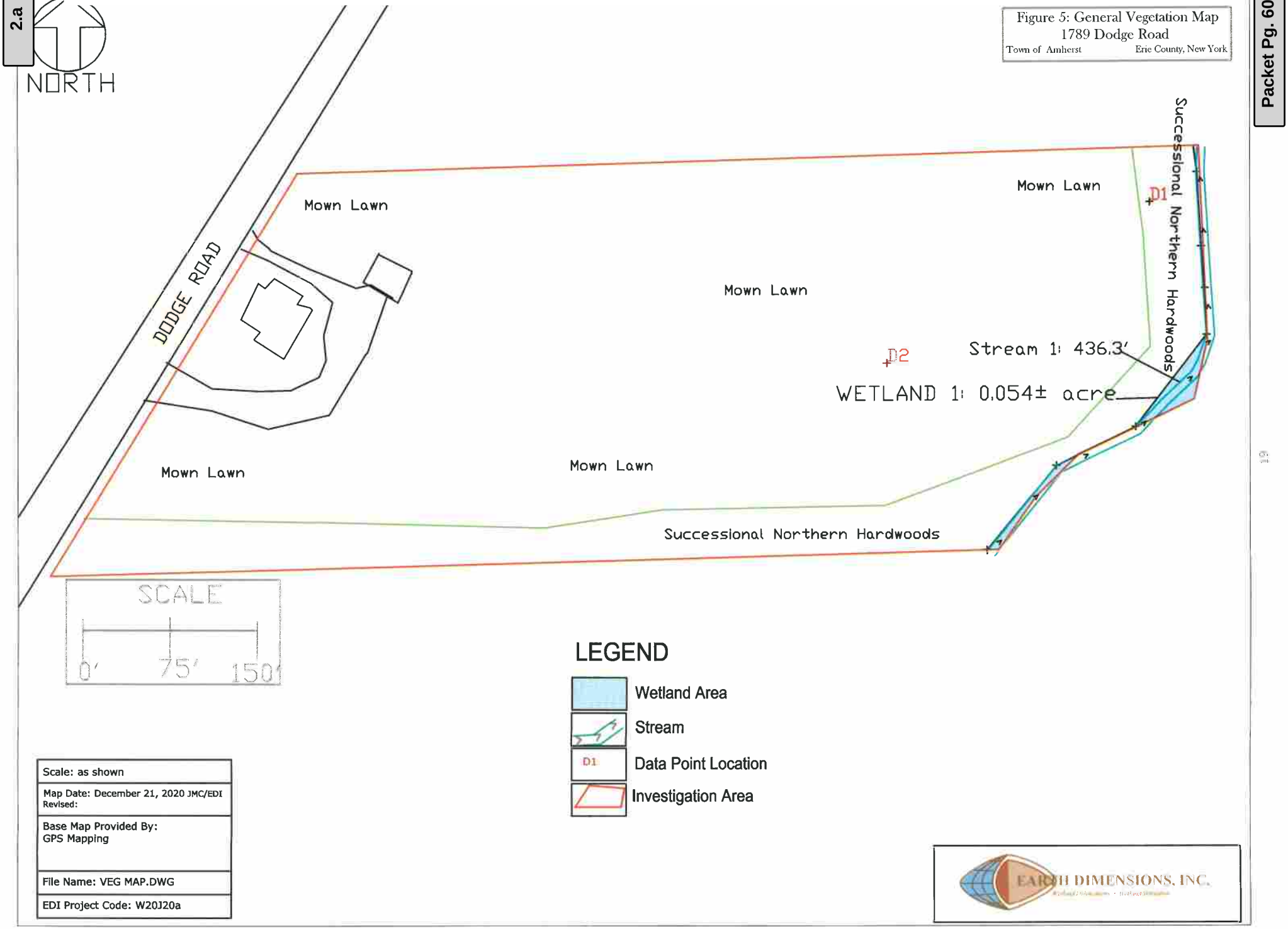
1789 Dodge Road

Town of Amherst, Erie County, New York

Attachment: SUB-2024-02_K_application_101724 (29335 : SUB-2024-02SK, 1789 Dodge Road)

Attachment: SUB-2024-02_K_application_101724 (29335 : SUB-2024-02SK, 1789 Dodge Road)

Figure 5: General Vegetation Map
1789 Dodge Road
Town of Amherst Erie County, New York

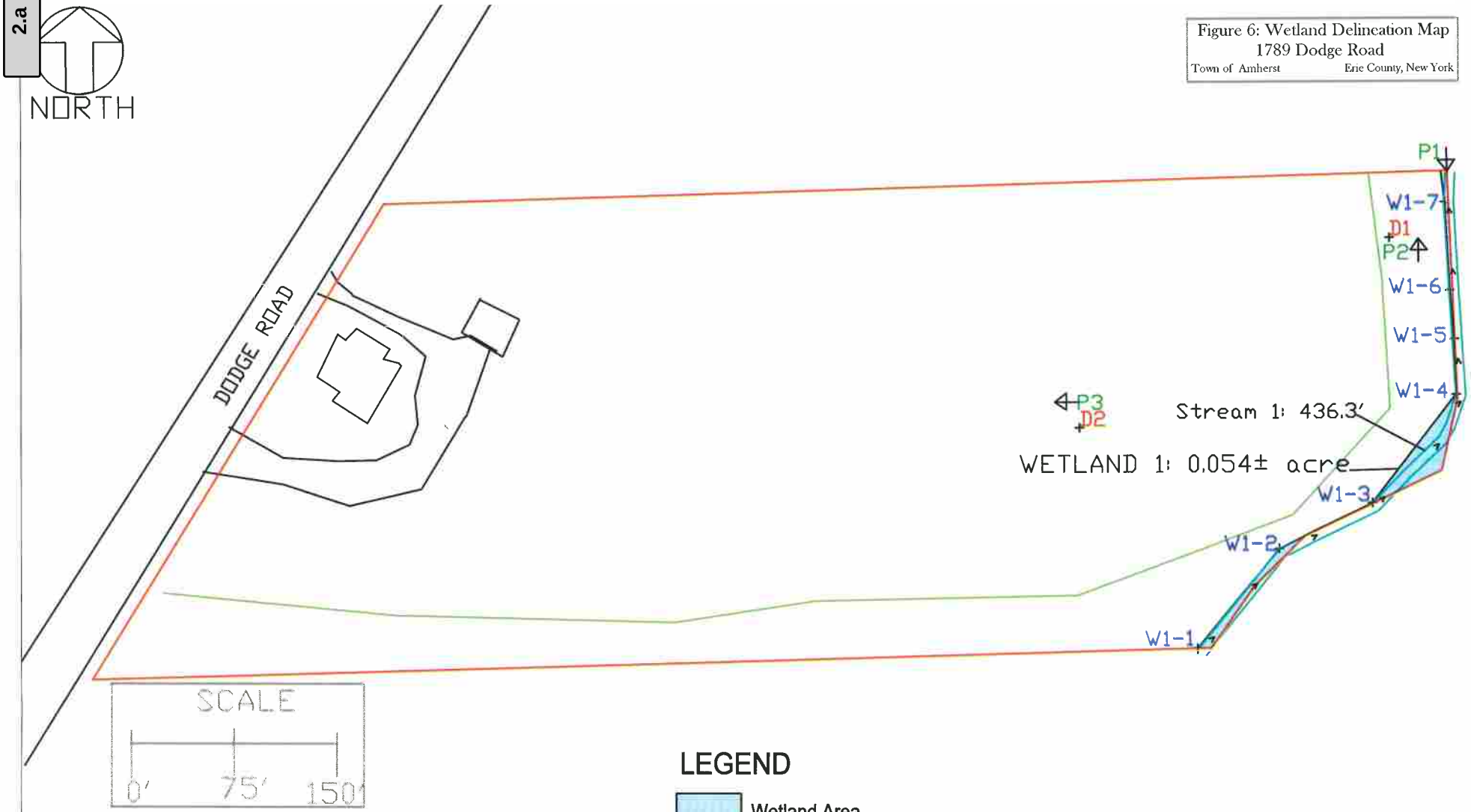


Scale: as shown
Map Date: December 21, 2020 JMC/EDI Revised:
Base Map Provided By: GPS Mapping
File Name: VEG MAP.DWG
EDI Project Code: W20J20a

EARTH DIMENSIONS, INC.

Attachment: SUB-2024-02_K_application_101724 (29335 : SUB-2024-02SK, 1789 Dodge Road)

Figure 6: Wetland Delineation Map
1789 Dodge Road
Town of Amherst Erie County, New York



LEGEND

- Wetland Area
- Photo location (P1)
- Data Point Location (D1)
- Investigation Area
- Wetland Flag (W1-1)
- Stream

Scale: as shown
Map Date: December 21, 2020 JMC/EDI Revised:
Base Map Provided By: GPS Mapping
File Name: DD MAP.DWG
EDI Project Code: W20J20a

EARTH DIMENSIONS, INC.

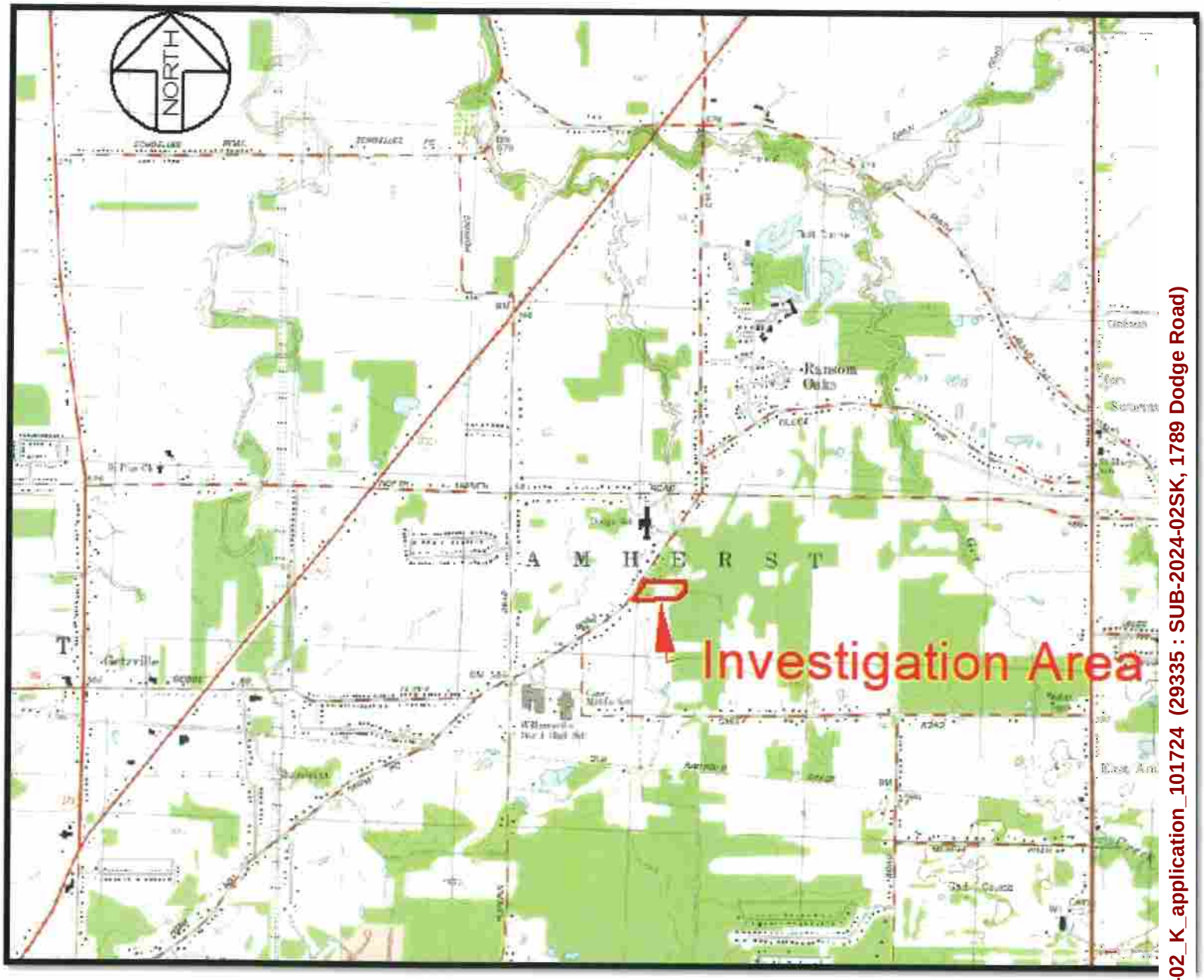


FIGURE 7: DRAINAGE MAP

Clarence Center Quadrangle / 2002 DeLorme

1789 Dodge Road

Town of Amherst, Erie County, New York

Attachment: SUB-2024-02_K_application_101724 (29335 : SUB-2024-02SK, 1789 Dodge Road)



Attachment: SUB-2024-02_K_application_101724 (29335 : SUB-2024-02SK, 1789 Dodge Road)

FIGURE 8: SITE AERIAL PHOTOGRAPH

http://gis2.erie.gov/HTML5/ErieCountyNY/PublicLaunchPage.aspx (Visited 12/21/2020)

1789 Dodge Road

Town of Amherst, Erie County, New York

1789 Dodge Road

Appendix B – Data Sheets

Attachment: SUB-2024-02_K_application_101724 (29335 : SUB-2024-02SK, 1789 Dodge Road)

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: 1789 Dodge Road Town/County: Amherst/Erie County Sampling Date: November 23, 2020

Applicant/Owner: Joe Rubino State: New York Sampling Point: D1

Investigator(s): Scott Livingstone & Jody Celeste Section, Township, Range: 42.00-1-45.2

Landform (hillslope, terrace, etc.): TERRACE Local relief (concave, convex, none): CONVEX Slope (%): 3

Subregion (LRR or MLRA) LRRL Lat: 43.02999 Long: 78.72573 Datum: NAD83

Soil Map Unit Name: WAYLAND SOILS COMPLEX, 0-3% NWI classification: N/A

Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No _____ (If no, explain in Remarks.)

Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes X No _____

Are Vegetation _____, Soil _____, or Hydrology _____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS : Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes _____	No _____	**Is the Sampled Area within a Wetland?** Yes _____ No X
Hydric Soil Present?	Yes _____	No _____	
Wetland Hydrology Present?	Yes _____	No _____	If yes, optional Wetland Site ID: N/A

Remarks: (Explain alternative procedures here or in a separate report.)

UPLAND SUCCESSIONAL WOODS

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ___ Surface Water (A1)
- ___ High Water Table (A2)
- ___ Saturation (A3)
- ___ Water Marks (B1)
- ___ Sediment Deposits (B2)
- ___ Drift Deposits (B3)
- ___ Algal Mat or Crust (B4)
- ___ Iron Deposits (B5)
- ___ Inundation Visible on Aerial Imagery (B7)
- ___ Sparsely Vegetated Concave Surface (B8)
- ___ Water-Stained Leaves (B9)
- ___ Aquatic Fauna (B13)
- ___ Marl Deposits (B15)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres on Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ___ Surface Soil Cracks (B6)
- ___ Drainage Patterns (B10)
- ___ Moss Trim Lines (B16)
- ___ Dry-Season Water Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Stunted or Stressed Plants (D1)
- ___ Geomorphic Position (D2)
- ___ Shallow Aquitard (D3)
- ___ Microtopographic Relief (D4)
- ___ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present?	Yes _____	No X	Depth (inches): N/A
Water Table Present?	Yes _____	No X	Depth (inches): N/A
Saturation Present? (includes capillary fringe)	Yes _____	No X	Depth (inches): N/A

Wetland Hydrology Present? Yes _____ No X

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

Attachment: SUB-2024-02_K_application_101724 (29335 : SUB-2024-02SK, 1789 Dodge Road)

Project Code: W20J20a

2.a

VEGETATION : Use scientific names of plants.

Sampling Point: D1

Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status
1. Salix nigra	10	Y	FACW
2. Acer negundo	5	Y	FAC
3.			
4.			
5.			
6.			
7.			
	15 = Total Cover		

Sapling/Shrub Stratum (Plot size: 15')			
1. Rubus idaeus	10	Y	FACW
2. Rosa multiflora	5	Y	↓
3.			
4.			
5.			
6.			
7.			
	15 = Total Cover		

Herb Stratum (Plot size: 5')			
1. Hesperis matronalis	45	Y	FACU
2. Alliaria petiolata	35	Y	FACU
3. Galium aparine	5	N	FACU
4. Circaea lutetiana	5	N	NI
5. Dactylis glomerata	5	N	FACU
6. Ageratina altissima	5	N	NI
7.			
8.			
9.			
10.			
11.			
12.			
	100 = Total Cover		

Woody Vine Stratum (Plot size: 30')			
1. NA			
2.			
3.			
4.			
	0 = Total Cover		

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 2 (A)

Total Number of Dominant Species Across All Strata: 6 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 33 (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1 =	0
FACW species	10	x 2 =	20
FAC species	5	x 3 =	15
FACU species	105	x 4 =	420
UPL species	0	x 5 =	0
Column Totals:	120 (A)		455 (B)

Prevalence Index = B/A = 3.79

Hydrophytic Vegetation Indicators:

___ 1 - Rapid Test for Hydrophytic Vegetation

___ 2 - Dominance Test is >50%

___ 3 - Prevalence Index is < 3.0[1]

___ 4 - Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)

___ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Definitions of Vegetation Strata:

Tree - Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft (1 m) tall.

Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vines - All woody vines greater than 3.28 ft in height.

Community Type: SUCCESSIONAL NORTHERN HARDWOODS

Hydrophytic Vegetation Present? Yes ___ No X

Remarks: (Include photo numbers here or on a separate sheet.)

Photo # 2 Direction of Photo NORTH

MANY DEAD ASH

Attachment: SUB-2024-02_K_application_101724 (29335 : SUB-2024-02SK, 1789 Dodge Road)

SOIL

Sampling Point: D1

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-16	10YR 4/2	100					S;l	

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Dark Surface (S7) (**LRR R, MLRA 149B**)
- ___ Polyvalue Below Surface (S8) (**LRR R, MLRA 149B**)
- ___ Thin Dark Surface (S9) (**LRR R, MLRA 149B**)
- ___ Loamy Mucky Mineral (F1) (**LRR K, L**)
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ___ 2 cm Muck (A10) (**LRR K, L, MLRA 149B**)
- ___ Coast Prairie Redox (A16) (**LRR K, L, R**)
- ___ 5 cm Mucky Peat or Peat (S3) (**LRR K, L, R**)
- ___ Dark Surface (S7) (**LRR K, L, M**)
- ___ Polyvalue Below Surface (S8) (**LRR K, L**)
- ___ Thin Dark Surface (S9) (**LRR K, L**)
- ___ Iron-Manganese Masses (F12) (**LRR K, L, R**)
- ___ Piedmont Floodplain Soils (F19) (**MLRA 149B**)
- ___ Mesic Spodic (TA6) (**MLRA 144A, 145, 149B**)
- ___ Red Parent Material (TF2)
- ___ Very Shallow Dark Surface (TF12)
- ___ Other (Explain in Remarks)

[3] Indicators of hydrophytic vegetation and **wetland** hydrology must be present, unless **disturbed** or problematic.

Restrictive Layer (if observed):

Type: NONE

Depth (inches): N/A

Hydric Soil Present? Yes _____ No X

Remarks:

Attachment: SUB-2024-02_K_application_101724 (29335 : SUB-2024-02SK, 1789 Dodge Road)

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: 1789 Dodge Road Town/County: Amherst/Erie County Sampling Date: November 23. 2020

Applicant/Owner: Joe Rubino State: New York Sampling Point: AZ

Investigator(s): Scott Livingstone & Jody Celeste Section, Township, Range: 42.00-1-45.2

Landform (hillslope, terrace, etc.): LAKE Plain Local relief (concave, convex, none): CONVEX Slope (%): 2

Subregion (LRR or MLRA) LRRL Lat: 43.02962 Long: 78.72659 Datum: NAD83

Soil Map Unit Name: CHEEKTOWAGA FINE SANDY LOAM NW I classification: N/A

Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No _____ (If no, explain in Remarks.)

Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes X No _____

Are Vegetation _____, Soil _____, or Hydrology _____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS : Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes _____	No X	**Is the Sampled Area within a Wetland?** Yes _____ No X
Hydric Soil Present?	Yes _____	No X	
Wetland Hydrology Present?	Yes _____	No X	If yes, optional Wetland Site ID: N/A

Remarks: (Explain alternative procedures here or in a separate report.)

UPLAND LAWN WITH TREES

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required: check all that apply)

- __ Surface Water (A1)
- __ High Water Table (A2)
- __ Saturation (A3)
- __ Water Marks (B1)
- __ Sediment Deposits (B2)
- __ Drift Deposits (B3)
- __ Algal Mat or Crust (B4)
- __ Iron Deposits (B5)
- __ Inundation Visible on Aerial Imagery (B7)
- __ Sparsely Vegetated Concave Surface (B8)
- __ Water-Stained Leaves (B9)
- __ Aquatic Fauna (B13)
- __ Marl Deposits (B15)
- __ Hydrogen Sulfide Odor (C1)
- __ Oxidized Rhizospheres on Living Roots (C3)
- __ Presence of Reduced Iron (C4)
- __ Recent Iron Reduction in Tilled Soils (C6)
- __ Thin Muck Surface (C7)
- __ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- __ Surface Soil Cracks (B6)
- __ Drainage Patterns (B10)
- __ Moss Trim Lines (B16)
- __ Dry-Season W ater Table (C2)
- __ Crayfish Burrows (C8)
- __ Saturation Visible on Aerial Imagery (C9)
- __ Stunted or Stressed Plants (D1)
- __ Geomorphic Position (D2)
- __ Shallow Aquitard (D3)
- __ Microtopographic Relief (D4)
- __ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present?	Yes _____	No X	Depth (inches): N/A
Water Table Present?	Yes _____	No X	Depth (inches): N/A
Saturation Present? (includes capillary fringe)	Yes _____	No X	Depth (inches): N/A

Wetland Hydrology Present? Yes _____ No X

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

Attachment: SUB-2024-02_K_application_101724 (29335 : SUB-2024-02SK, 1789 Dodge Road)

VEGETATION : Use scientific names of plants.

Sampling Point: D2

Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status
1. Pinus resinosa	20	Y	FACU
2. Populus tremuloides	5	Y	↓
3.			
4.			
5.			
6.			
7.			
	25	= Total Cover	

Sapling/Shrub Stratum (Plot size: 15')			
1. Lonicera tatarica	10	Y	FACU
2. Salix discolor	5	Y	FACW
3.			
4.			
5.			
6.			
7.			
	15	= Total Cover	

Herb Stratum (Plot size: 5')			
1. Prunella vulgaris	15	Y	FACU
2. Agrostis stolonifera	15	Y	FACW
3. Poa pratensis	45	Y	FACU
4. Ranunculus acris	5	N	FAC
5. Trifolium pratense	5	N	FACU
6. Taraxacum officinale	5	N	↓
7. Glechoma hederacea	5	N	
8. Dactylis glomerata	5	N	
9.			
10.			
11.			
12.			
	100	= Total Cover	

Woody Vine Stratum (Plot size: 30')			
1. NA			
2. ↓			
3.			
4.			
	0	= Total Cover	

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 2 (A)

Total Number of Dominant Species Across All Strata: 7 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 29 (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1 =	0
FACW species	20	x 2 =	40
FAC species	5	x 3 =	15
FACU species	115	x 4 =	460
UPL species	0	x 5 =	0
Column Totals:	140 (A)		515 (B)

Prevalence Index = B/A = 3.67

Hydrophytic Vegetation Indicators:

__ 1 - Rapid Test for Hydrophytic Vegetation

__ 2 - Dominance Test is >50%

__ 3 - Prevalence Index is < 3.0[1]

__ 4 - Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)

__ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Definitions of Vegetation Strata:

Tree - Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft (1 m) tall.

Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vines - All woody vines greater than 3.28 ft in height.

MOWN LAWN

Community Type: _____

Hydrophytic Vegetation Present? Yes ____ No X

Remarks: (Include photo numbers here or on a separate sheet.)

Photo # 3 Direction of Photo NORTH

MANY DEAD ASH NEAR BY

Attachment: SUB-2024-02_K_application_101724 (29335 : SUB-2024-02SK, 1789 Dodge Road)

SOIL

Sampling Point: D2

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-7	10YR4/3	100					l	
7-16	10YR5/6	100					FSl	

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Dark Surface (S7) (**LRR R, MLRA 149B**)
- ___ Polyvalue Below Surface (S8) (**LRR R, MLRA 149B**)
- ___ Thin Dark Surface (S9) (**LRR R, MLRA 149B**)
- ___ Loamy Mucky Mineral (F1) (**LRR K, L**)
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ___ 2 cm Muck (A10) (**LRR K, L, MLRA 149B**)
- ___ Coast Prairie Redox (A16) (**LRR K, L, R**)
- ___ 5 cm Mucky Peat or Peat (S3) (**LRR K, L, R**)
- ___ Dark Surface (S7) (**LRR K, L, M**)
- ___ Polyvalue Below Surface (S8) (**LRR K, L**)
- ___ Thin Dark Surface (S9) (**LRR K, L**)
- ___ Iron-Manganese Masses (F12) (**LRR K, L, R**)
- ___ Piedmont Floodplain Soils (F19) (**MLRA 149B**)
- ___ Mesic Spodic (TA6) (**MLRA 144A, 145, 149B**)
- ___ Red Parent Material (TF2)
- ___ Very Shallow Dark Surface (TF12)
- ___ Other (Explain in Remarks)

[3] Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: NONE

Depth (inches): N/A

Hydric Soil Present? Yes _____ No X

Remarks:

Attachment: SUB-2024-02_K_application_101724 (29335 : SUB-2024-02SK, 1789 Dodge Road)

1789 Dodge Road

Appendix C - Site Photographs

Attachment: SUB-2024-02_K_application_101724 (29335 : SUB-2024-02SK, 1789 Dodge Road)



Photo 1: Facing south. Depicts wetland W1/Stream W1 from the northeastern corner of the investigation area.



Photo 2: Facing north from data point D1. Depicts the successional northern hardwood community of data point D1.



Photo 3: Facing west from data point D2. Depicts the mown lawn community of data point D2.

Attachment: SUB-2024-02_K_application_101724 (29335 : SUB-2024-02SK, 1789 Dodge Road)

1789 Dodge Road

Appendix D - References

Attachment: SUB-2024-02_K_application_101724 (29335 : SUB-2024-02SK, 1789 Dodge Road)

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Attachment: SUB-2024-02_K_application_101724 (29335 : SUB-2024-02SK, 1789 Dodge Road)

1789 Dodge Road

Attachment: SUB-2024-02_K_application_101724 (29335 : SUB-2024-02SK, 1789 Dodge Road)

Appendix E - Wetland Investigation Personnel

Soils and Hydrology Sampling
Scott Livingstone, Senior Soil Scientist
Earth Dimensions, Inc.
1091 Jamison Road
Elma, New York 14059
(716) 655-1717

Vegetation Sampling
Jody Celeste, Ecologist
Earth Dimensions, Inc.
1091 Jamison Road
Elma, New York 14059
(716) 655-1717

Report Preparation
Jody Celeste, Ecologist
Earth Dimensions, Inc.
1091 Jamison Road
Elma, New York 14059
(716) 655-1717

Attachment: SUB-2024-02_K_application_101724 (29335 : SUB-2024-02SK, 1789 Dodge Road)

EARTH DIMENSIONS, INC.
* Soil & Hydrogeologic Investigations * Wetland Delineations
1091 Jamison Road, Elma NY 14059
(716) 655-1717 * Fax (716) 655-2915 www.earthdimensions.com

February 16, 2022 W20J20a

Mr. David Denk
Regional Permit Administrator
NYSDEC Region 9
270 Michigan Avenue
Buffalo, New York 14203-2999

RE: Single Family Subdivision – 1789 Dodge Road
Town of Amherst, Erie County, New York

Dear Mr. Denk:

On behalf of our client, Joseph Rubino, Earth Dimensions, Inc. (EDI) is submitting the attached Joint Application for Permit and appendices for a proposed 17-lot residential subdivision located in the Town of Grand Island, Erie County, New York.

The project will require the impact of 6,025 square feet (0.14± acre of regulated upland adjacent area to NYSDEC Freshwater Wetland CC-15 in associated with minor grading associated with Lot #9 and the proposed road terminus. The applicant is requesting an Article 24 permit for this proposed impact which is currently maintained lawn. Note that a SEQR Determination has not yet been issued by the Town of Amherst but will be forwarded once available in order to make this application complete. A hard copy of this application along with a check for the $200 application fee is being sent via the US Postal Service.

If you have any questions or require further information, please contact our office at (716) 655-1717 or email slivingstone@earthdimensions.com.

Very truly yours,
Earth Dimensions, Inc.

Scott J. Livingstone
Wetlands Operations Manager

Encl:
Appendix 1 – Site Location Map
Appendix 2 – Site Plans/Impact Map
Appendix 3 – SEQR Documentation
Appendix 4 – NYSDEC Wetland Verification Letter
Appendix 5 – Tree Planting Map & Monument Plan
Appendix 6 – Joint Application for Permit

Cc: Joe Rubino via email
Sean Hopkins, Esq. via email
Chris Wood, Carmina Wood Morris via email

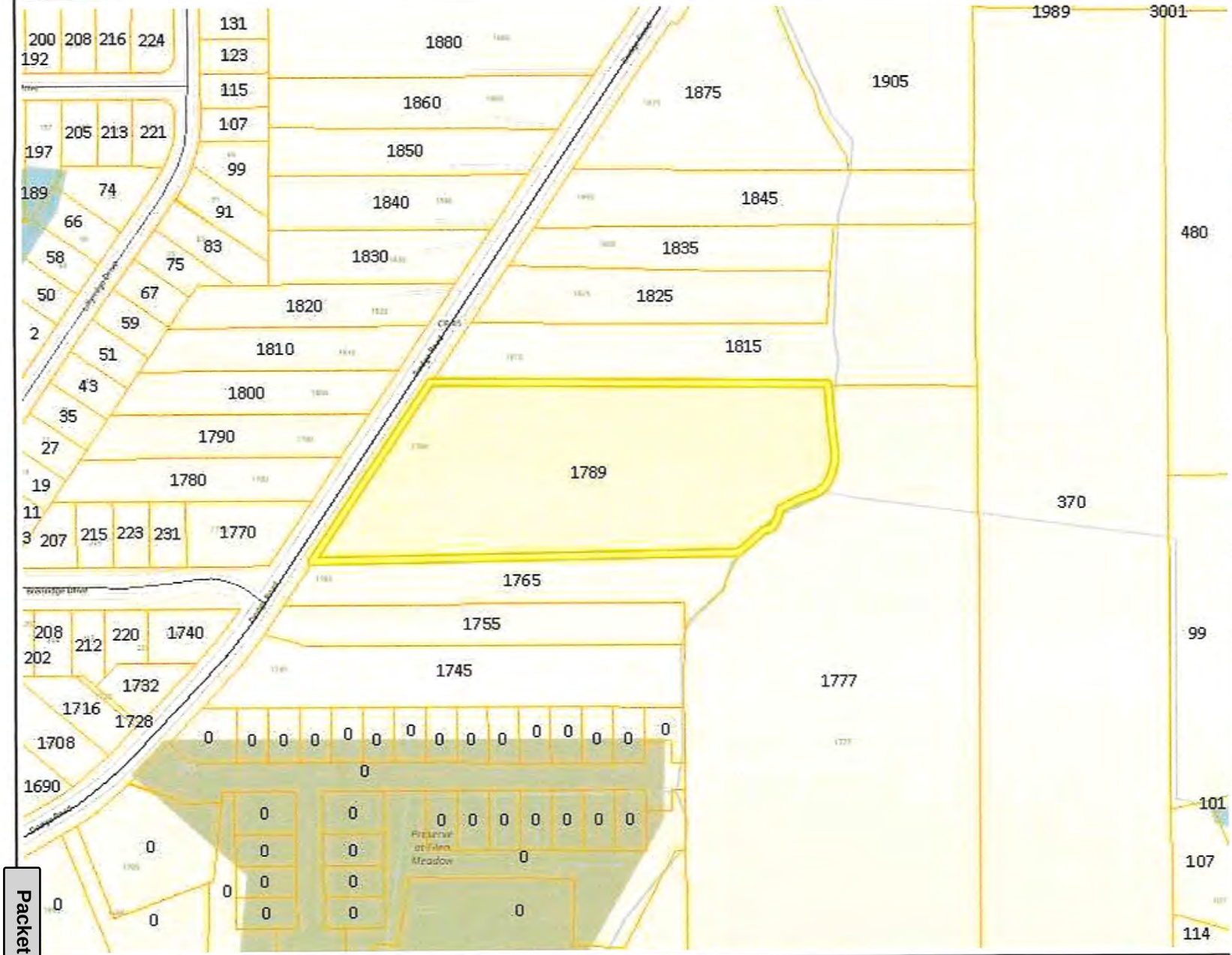
Attachment: SUB-2024-02_K_application_101724 (29335 : SUB-2024-02SK, 1789 Dodge Road)

Attachment: SUB-2024-02_K_application_101724 (29335 : SUB-2024-02SK, 1789 Dodge Road)

APPENDIX 1 – SITE LOCATION MAP

Erie County On-Line Mapping Application





Legend

- Parcels
- Streets and Highways
  - Interstate
  - Primary State Road
  - Secondary State Road
  - County Road
  - Local Road

0 0.07 0.1 Miles

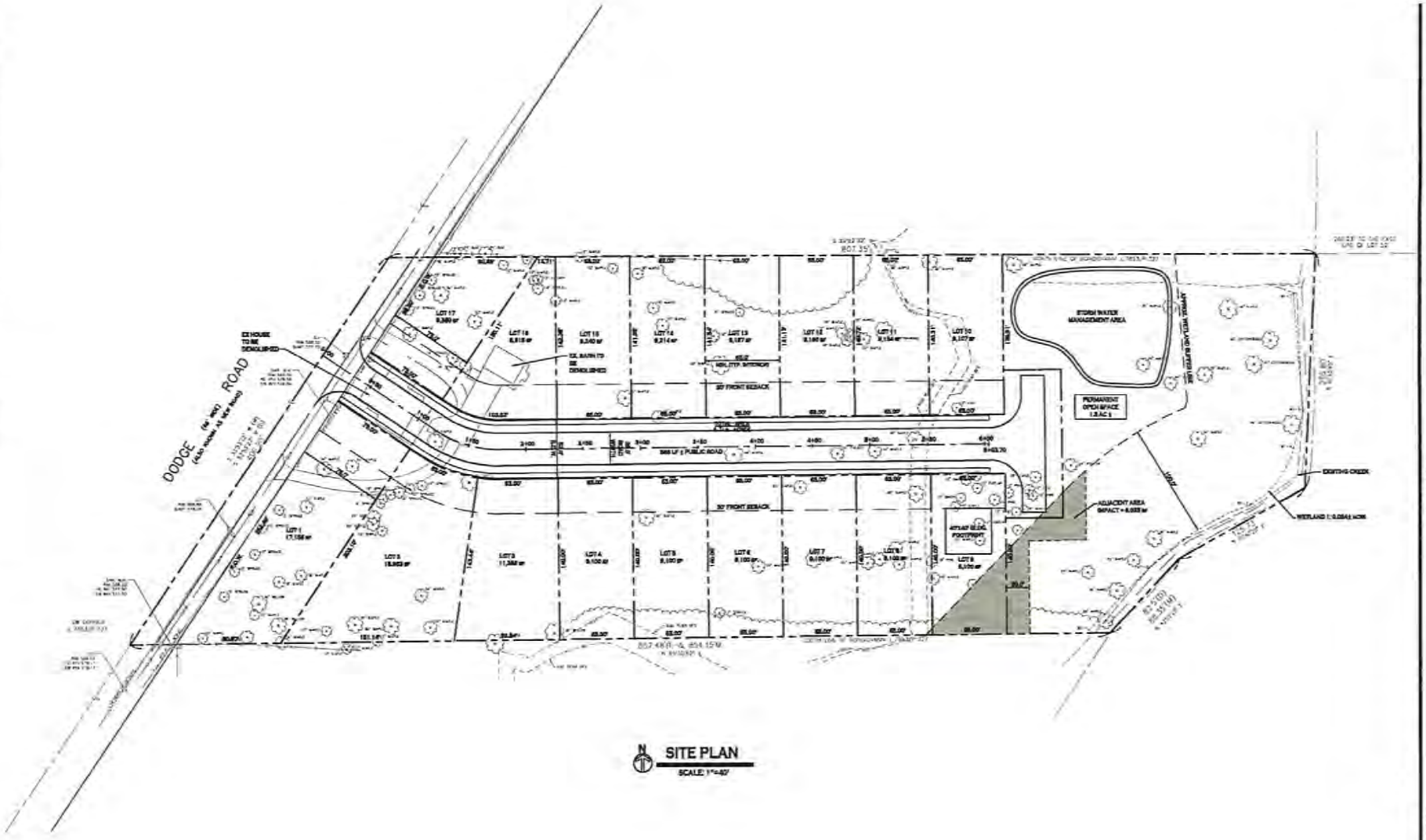
ERIE COUNTY
DEPARTMENT OF ENVIRONMENT & PLANNING

This map is a user generated static output from an Internet mapping site and is for reference only. Data layers that appear on this map may or may

1: 4,514

Attachment: SUB-2024-02_K_application_101724 (29335 : SUB-2024-02SK, 1789 Dodge Road)

APPENDIX 2 – SITE PLANS/IMPACT MAP



SITE DATA (REZONED FROM SA TO R4 ZONING)

AREA = 8.7 ACRES ±

MIN. LOT WIDTH = 65 FT INTERIOR LOTS
MIN. LOT WIDTH = 75 FT CORNER LOTS

MIN. LOT AREA = 6,500 SF INTERIOR LOTS
MIN. LOT AREA = 8,700 SF CORNER LOTS

FRONT SETBACK = 30 FT (OFF EDGE OF PVMT)
SIDE SETBACK = 8 FT
REAR SETBACK = 30 FT

MAXIMUM LOT COVERAGE = 35%
MAXIMUM BUILDING HEIGHT = 35 FT

MINIMUM FLOOR AREA = 1,000 SF (1 STORY)
MINIMUM FLOOR AREA = 1,300 SF (2 STORIES)

NOTE: BOUNDARY AND TOPOGRAPHIC INFORMATION PROVIDED BY OTHERS, CARMINA WOOD MORRIS, P.C. ASSUMES NO RESPONSIBILITY FOR ITS ACCURACY.

40' 0 40 80 SCALE

Carmina Wood Morris

REVISIONS:
No. Description Date

PROJECT NAME:
New Construction
Single Family Subdivision
1789 Dodge Road
Amherst, New York

Date: 12/1/2
Drawn by: C. Woz
Scale: As Note

DRAWING NAME:
Site Plan

DRAWING NO.
C-1

Project no.:

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Attachment: SUB-2024-02_K_application_101724 (29335 : SUB-2024-02SK, 1789 Dodge Road)

Attachment: SUB-2024-02_K_application_101724 (29335 : SUB-2024-02SK, 1789 Dodge Road)

APPENDIX 3 – SEQR DOCUMENTATION

Amended Part 1 of Full Environmental Assessment Form - Rezoning of 1789 Dodge Road from SA to R-3
Applicant: Joe Rubino

Full Environmental Assessment Form
Part 1 - Project and Setting

Prepared By: Sean W. Hopkins, Esq.
Hopkins Sorgi & McCarthy PLLC
5500 Main Street, Suite 343
Williamsville, New York 14221
Tel: 716.510-4338
E-mail: shopkins@hsr-legal.com

Instructions for Completing Part 1

Part 1 is to be completed by the applicant or project sponsor. Responses become part of the application for approval or funding, are subject to public review, and may be subject to further verification.

Complete Part 1 based on information currently available. If additional research or investigation would be needed to fully respond to any item, please answer as thoroughly as possible based on current information; indicate whether missing information does not exist, or is not reasonably available to the sponsor; and, when possible, generally describe work or studies which would be necessary to update or fully develop that information.

Applicants/sponsors must complete all items in Sections A & B. In Sections C, D & E, most items contain an initial question that must be answered either "Yes" or "No". If the answer to the initial question is "Yes", complete the sub-questions that follow. If the answer to the initial question is "No", proceed to the next question. Section F allows the project sponsor to identify and attach any additional information. Section G requires the name and signature of the applicant or project sponsor to verify that the information contained in Part 1is accurate and complete.

A. Project and Applicant/Sponsor Information.

Name of Action or Project: Proposed Residential Subdivision		
Project Location (describe, and attach a general location map): 1789 Dodge Road - Town of Amherst - Erie County		
Brief Description of Proposed Action (include purpose or need): The proposed project ("action") consists of a rezoning of approximately 6.7 acres of land at 1789 Dodge Road ("Project Site") from Suburban Agriculture ("S-A") to Residential District Three ("R-3") to accommodate a proposed 18 lot residential subdivision (15 homes) along with all related site improvements. A copy of the Sketch Plan [Drawing C-100 - Date: 07/14/21] depicting the layout of the proposed residential subdivision as prepared by Carmina Wood Morris DPC is attached to the Amended Rezoning Application. The frontage of the Project Site will consist of Permanent Open Space. The proposed action has been defined broadly to include all required discretionary approvals and permits as well as all proposed site improvements including proposed detached single family homes, a public roadway, a roadway connection onto Dodge Road, driveways, lighting, an on-site storm water management system, and all required utility improvements. The project purpose is to develop the Project Site for Single-Family Residential Use per the recommended land use in Figure 6 of the Town's adopted Comprehensive Plan. The Project Sponsor believes the project will not result in any potentially significant adverse environmental impacts and that the issuance of a negative declaration by the designated lead agency [anticipated to be the Amherst Town Board] is both appropriate and justified.		
Name of Applicant/Sponsor: Joe Rubino c/o Sean Hopkins, Esq., Hopkins Sorgi & McCarthy PLLC	Telephone: 716.510-4338 E-Mail: shopkins@hsmlegal.com	
Address: 5500 Main Street, Suite 343		
City/PO: Williamsville	State: New York	Zip Code: 14221
Project Contact (if not same as sponsor; give name and title/role):	Telephone: E-Mail:	
Address:		
City/PO:	State:	Zip Code:
Property Owner (if not same as sponsor): Same as Project Sponsor	Telephone: E-Mail:	
Address:		
City/PO:	State:	Zip Code:

Attachment: SUB-2024-02_K_application_101724 (29335 : SUB-2024-02SK, 1789 Dodge Road)

B. Government Approvals

B. Government Approvals, Funding, or Sponsorship. ("Funding" includes grants, loans, tax relief, and any other forms of financial assistance.)

Government Entity	If Yes: Identify Agency and Approval(s) Required	Application Date (Actual or projected)
a. City Counsel, Town Board, or Village Board of Trustees ☑Yes ☐No	Town Board - Rezoning and Public Improvement Permits	December 28, 2020 [Amended Application: August 16, 2021]
b. City, Town or Village Planning Board or Commission ☑Yes ☐No	Planning Board - Preliminary Plat and Final Plat Approval	To be determined
c. City, Town or Village Zoning Board of Appeals ☐Yes ☑No		
d. Other local agencies ☑Yes ☐No	Engineering Dept. - Stormwater Permit; Building Dept. - Demolition Permit and Building Permits	To be Determined
e. County agencies ☑Yes ☐No	ECDPW - Highway Work Permit; ECWA - Water; ECHD - Sewer and Water	To be Determined
f. Regional agencies ☐Yes ☑No		
g. State agencies ☑Yes ☐No	NYSDEC - SPDES Permit and DSCA Approval	To be Determined
h. Federal agencies ☐Yes ☑No		

i. Coastal Resources.
i. Is the project site within a Coastal Area, or the waterfront area of a Designated Inland Waterway? ☐Yes ☑No
ii. Is the project site located in a community with an approved Local Waterfront Revitalization Program? ☐Yes ☑No
iii. Is the project site within a Coastal Erosion Hazard Area? ☐Yes ☑No

C. Planning and Zoning

C.1. Planning and zoning actions.

Will administrative or legislative adoption, or amendment of a plan, local law, ordinance, rule or regulation be the only approval(s) which must be granted to enable the proposed action to proceed? ☐Yes ☑No

- **If Yes,** complete sections C, F and G.
- **If No,** proceed to question C.2 and complete all remaining sections and questions in Part 1

C.2. Adopted land use plans.

a. Do any municipally- adopted (city, town, village or county) comprehensive land use plan(s) include the site where the proposed action would be located? ☑Yes ☐No
If Yes, does the comprehensive plan include specific recommendations for the site where the proposed action would be located? ☑Yes ☐No

b. Is the site of the proposed action within any local or regional special planning district (for example: Greenway; Brownfield Opportunity Area (BOA); designated State or Federal heritage area; watershed management plan; or other?) ☑Yes ☐No
If Yes, identify the plan(s): [Note: The proposed action will not have any adverse impacts on the West Erie Canal Corridor.]
NYS Heritage Areas:West Erie Canal Corridor

c. Is the proposed action located wholly or partially within an area listed in an adopted municipal open space plan, or an adopted municipal farmland protection plan? ☐Yes ☑No
If Yes, identify the plan(s):

Attachment: SUB-2024-02_K_application_101724 (29335 : SUB-2024-02SK, 1789 Dodge Road)

C.3. Zoning

a. Is the site of the proposed action located in a municipality with an adopted zoning law or ordinance. ☑ Yes ☐ No
If Yes, what is the zoning classification(s) including any applicable overlay district?
Suburban Agriculture District ("SA")

b. Is the use permitted or allowed by a special or conditional use permit? ☐ Yes ☑ No

c. Is a zoning change requested as part of the proposed action? ☑ Yes ☐ No
If Yes,
i. What is the proposed new zoning for the site? Residential District Three ("R-3")

C.4. Existing community services.

a. In what school district is the project site located? Williamsville Central School District

b. What police or other public protection forces serve the project site?
Town of Amherst Police Department

c. Which fire protection and emergency medical services serve the project site?
Volunteer Fire Department

d. What parks serve the project site?
There are various Town parks that will be accessible to the future residents of the proposed residential subdivision.

D. Project Details

D.1. Proposed and Potential Development

a. What is the general nature of the proposed action (e.g., residential, industrial, commercial, recreational; if mixed, include all components)? Residential subdivision consisting of detached single-family homes on individual lots with public roadway.

b. a. Total acreage of the site of the proposed action? 6.7 acres
b. Total acreage to be physically disturbed? 3.7 acres
c. Total acreage (project site and any contiguous properties) owned or controlled by the applicant or project sponsor? 6.7 acres

c. Is the proposed action an expansion of an existing project or use? ☐ Yes ☑ No
i. If Yes, what is the approximate percentage of the proposed expansion and identify the units (e.g., acres, miles, housing units, square feet)? % _____ Units: _____

d. Is the proposed action a subdivision, or does it include a subdivision? ☑ Yes ☐ No
If Yes,
i. Purpose or type of subdivision? (e.g., residential, industrial, commercial; if mixed, specify types)

ii. Is a cluster/conservation layout proposed? ☐ Yes ☑ No
iii. Number of lots proposed? 18 [There will be 15 lots for detached single-family homes.]
iv. Minimum and maximum proposed lot sizes? Minimum _____ Maximum _____

e. Will the proposed action be constructed in multiple phases? ☐ Yes ☑ No
i. If No, anticipated period of construction: _____ months
ii. If Yes:
- Total number of phases anticipated _____
- Anticipated commencement date of phase 1 (including demolition) _____ month _____ year
- Anticipated completion date of final phase _____ month _____ year
- Generally describe connections or relationships among phases, including any contingencies where progress of one phase may determine timing or duration of future phases:

Attachment: SUB-2024-02_K_application_101724 (29335 : SUB-2024-02SK, 1789 Dodge Road)

f. Does the project include new residential uses? ☑ Yes ☐ No

If Yes, show numbers of units proposed.

	One Family	Two Family	Three Family	Multiple Family (four or more)
Initial Phase	15			
At completion of all phases	15			

g. Does the proposed action include new non-residential construction (including expansions)? ☐ Yes ☑ No

If Yes,

i. Total number of structures _____

ii. Dimensions (in feet) of largest proposed structure: _____ height; _____ width; and _____ length

iii. Approximate extent of building space to be heated or cooled: _____ square feet

h. Does the proposed action include construction or other activities that will result in the impoundment of any liquids, such as creation of a water supply, reservoir, pond, lake, waste lagoon or other storage? ☑ Yes ☐ No

If Yes,

i. Purpose of the impoundment: _____

ii. If a water impoundment, the principal source of the water: ☐ Ground water ☐ Surface water streams ☑ Other specify: Runoff from impervious surfaces on the Project Site including roof of homes, roadway and driveways.

iii. If other than water, identify the type of impounded/contained liquids and their source. Not Applicable

iv. Approximate size of the proposed impoundment. Volume: _____ million gallons; surface area: _____ acres

v. Dimensions of the proposed dam or impounding structure: _____ height; _____ length

vi. Construction method/materials for the proposed dam or impounding structure (e.g., earth fill, rock, wood, concrete): Earth fill.

D.2. Project Operations

a. Does the proposed action include any excavation, mining, or dredging, during construction, operations, or both? (Not including general site preparation, grading or installation of utilities or foundations where all excavated materials will remain onsite) ☐ Yes ☑ No

If Yes:

i. What is the purpose of the excavation or dredging? _____

ii. How much material (including rock, earth, sediments, etc.) is proposed to be removed from the site?

- Volume (specify tons or cubic yards): _____
- Over what duration of time? _____

iii. Describe nature and characteristics of materials to be excavated or dredged, and plans to use, manage or dispose of them.

_____

_____

iv. Will there be onsite dewatering or processing of excavated materials? ☐ Yes ☐ No

If yes, describe. _____

_____

v. What is the total area to be dredged or excavated? _____ acres

vi. What is the maximum area to be worked at any one time? _____ acres

vii. What would be the maximum depth of excavation or dredging? _____ feet

viii. Will the excavation require blasting? ☐ Yes ☐ No

ix. Summarize site reclamation goals and plan: _____

_____

_____

b. Would the proposed action cause or result in alteration of, increase or decrease in size of, or encroachment into any existing wetland, waterbody, shoreline, beach or adjacent area? ☐ Yes ☑ No

If Yes:

i. Identify the wetland or waterbody which would be affected (by name, water index number, wetland map number or geographic description): There is a small wetland with a size of 0.054 acres on the eastern portion of the Project Site. and 436.3 linear feet of a jurisdictional ditch per the wetland delineation of the Project Site prepared by Earth Dimensions, Inc. dated December 21, 2020. The small wetland area is subject to the jurisdiction of the NYSDEC and USACE.

Attachment: SUB-2024-02_K_application_101724 (29335 : SUB-2024-02SK, 1789 Dodge Road)

ii. Describe how the proposed action would affect that waterbody or wetland, e.g. excavation, fill, placement of structures, or alteration of channels, banks and shorelines. Indicate extent of activities, alterations and additions in square feet or acres:

iii. Will the proposed action cause or result in disturbance to bottom sediments? ☐Yes ☐No
If Yes, describe:

iv. Will the proposed action cause or result in the destruction or removal of aquatic vegetation? ☐Yes ☐No
If Yes:

- acres of aquatic vegetation proposed to be removed:
- expected acreage of aquatic vegetation remaining after project completion:
- purpose of proposed removal (e.g. beach clearing, invasive species control, boat access):
- proposed method of plant removal:
- if chemical/herbicide treatment will be used, specify product(s):

v. Describe any proposed reclamation/mitigation following disturbance:

c. Will the proposed action use, or create a new demand for water? ☑Yes ☐No
If Yes:

i. Total anticipated water usage/demand per day: 6,600 gallons/day

ii. Will the proposed action obtain water from an existing public water supply? ☑Yes ☐No
If Yes:

- Name of district or service area: ECWA
- Does the existing public water supply have capacity to serve the proposal? ☑Yes ☐No
- Is the project site in the existing district? ☑Yes ☐No
- Is expansion of the district needed? ☐Yes ☑No
- Do existing lines serve the project site? ☐Yes ☑No

iii. Will line extension within an existing district be necessary to supply the project? ☐Yes ☐No
If Yes:

- Describe extensions or capacity expansions proposed to serve this project:
- Source(s) of supply for the district:

iv. Is a new water supply district or service area proposed to be formed to serve the project site? ☐Yes ☑No
If, Yes:

- Applicant/sponsor for new district:
- Date application submitted or anticipated:
- Proposed source(s) of supply for new district:

v. If a public water supply will not be used, describe plans to provide water supply for the project:

vi. If water supply will be from wells (public or private), what is the maximum pumping capacity: _____ gallons/minute.

d. Will the proposed action generate liquid wastes? ☑Yes ☐No
If Yes:

i. Total anticipated liquid waste generation per day: 6,600 gallons/day

ii. Nature of liquid wastes to be generated (e.g., sanitary wastewater, industrial; if combination, describe all components and approximate volumes or proportions of each):
Sanitary wastewater

iii. Will the proposed action use any existing public wastewater treatment facilities? ☑Yes ☐No
If Yes:

- Name of wastewater treatment plant to be used: Town of Amherst Waste Water Treatment Plant on Tonawanda Creek Road.
- Name of district: Town of Amherst Consolidated Sanitary Sewer District
- Does the existing wastewater treatment plant have capacity to serve the project? ☑Yes ☐No
- Is the project site in the existing district? ☑Yes ☐No
- Is expansion of the district needed? ☐Yes ☑No

Attachment: SUB-2024-02_K_application_101724 (29335 : SUB-2024-02SK, 1789 Dodge Road)

- Do existing sewer lines serve the project site? ☑Yes ☐No
- Will a line extension within an existing district be necessary to serve the project? ☑Yes ☐No

If Yes:

- Describe extensions or capacity expansions proposed to serve this project: _____

iv. Will a new wastewater (sewage) treatment district be formed to serve the project site? ☐Yes ☑No

If Yes:

- Applicant/sponsor for new district: _____
- Date application submitted or anticipated: _____
- What is the receiving water for the wastewater discharge? _____

v. If public facilities will not be used, describe plans to provide wastewater treatment for the project, including specifying proposed receiving water (name and classification if surface discharge or describe subsurface disposal plans):

_____

vi. Describe any plans or designs to capture, recycle or reuse liquid waste: _____

e. Will the proposed action disturb more than one acre and create stormwater runoff, either from new point sources (i.e. ditches, pipes, swales, curbs, gutters or other concentrated flows of stormwater) or non-point source (i.e. sheet flow) during construction or post construction? ☑Yes ☐No

If Yes:

i. How much impervious surface will the project create in relation to total size of project parcel?

_____ Square feet or _____ acres (impervious surface)

_____ Square feet or _____ acres (parcel size)

ii. Describe types of new point sources. _____

iii. Where will the stormwater runoff be directed (i.e. on-site stormwater management facility/structures, adjacent properties, groundwater, on-site surface water or off-site surface waters)?

- If to surface waters, identify receiving water bodies or wetlands: _____
- Will stormwater runoff flow to adjacent properties? ☐Yes ☑No

iv. Does the proposed plan minimize impervious surfaces, use pervious materials or collect and re-use stormwater? ☐Yes ☑No

f. Does the proposed action include, or will it use on-site, one or more sources of air emissions, including fuel combustion, waste incineration, or other processes or operations? ☐Yes ☑No

If Yes, identify:

i. Mobile sources during project operations (e.g., heavy equipment, fleet or delivery vehicles)

ii. Stationary sources during construction (e.g., power generation, structural heating, batch plant, crushers)

iii. Stationary sources during operations (e.g., process emissions, large boilers, electric generation)

g. Will any air emission sources named in D.2.f (above), require a NY State Air Registration, Air Facility Permit, or Federal Clean Air Act Title IV or Title V Permit? ☐Yes ☑No

If Yes:

i. Is the project site located in an Air quality non-attainment area? (Area routinely or periodically fails to meet ambient air quality standards for all or some parts of the year) ☐Yes ☐No

ii. In addition to emissions as calculated in the application, the project will generate:

- _____Tons/year (short tons) of Carbon Dioxide (CO_2)
- _____Tons/year (short tons) of Nitrous Oxide (N_2O)
- _____Tons/year (short tons) of Perfluorocarbons (PFCs)
- _____Tons/year (short tons) of Sulfur Hexafluoride (SF_6)
- _____Tons/year (short tons) of Carbon Dioxide equivalent of Hydroflourocarbons (HFCs)
- _____Tons/year (short tons) of Hazardous Air Pollutants (HAPs)

Attachment: SUB-2024-02_K_application_101724 (29335 : SUB-2024-02SK, 1789 Dodge Road)

h. Will the proposed action generate or emit methane (including, but not limited to, sewage treatment plants, landfills, composting facilities)? ☐Yes ☑No

If Yes:

i. Estimate methane generation in tons/year (metric): _____

ii. Describe any methane capture, control or elimination measures included in project design (e.g., combustion to generate heat or electricity, flaring): _____

i. Will the proposed action result in the release of air pollutants from open-air operations or processes, such as quarry or landfill operations? ☐Yes ☑No

If Yes: Describe operations and nature of emissions (e.g., diesel exhaust, rock particulates/dust):

_____

j. Will the proposed action result in a substantial increase in traffic above present levels or generate substantial new demand for transportation facilities or services? ☐Yes ☑No

If Yes:

i. When is the peak traffic expected (Check all that apply): ☐ Morning ☐ Evening ☐Weekend
☐ Randomly between hours of _____ to _____.

ii. For commercial activities only, projected number of truck trips/day and type (e.g., semi trailers and dump trucks): _____

iii. Parking spaces: Existing _____ Proposed _____ Net increase/decrease _____

iv. Does the proposed action include any shared use parking? ☐Yes ☐No

v. If the proposed action includes any modification of existing roads, creation of new roads or change in existing access, describe:

_____

vi. Are public/private transportation service(s) or facilities available within ½ mile of the proposed site? ☐Yes ☐No

vii Will the proposed action include access to public transportation or accommodations for use of hybrid, electric or other alternative fueled vehicles? ☐Yes ☐No

viii. Will the proposed action include plans for pedestrian or bicycle accommodations for connections to existing pedestrian or bicycle routes? ☐Yes ☐No

k. Will the proposed action (for commercial or industrial projects only) generate new or additional demand for energy? ☐Yes ☑No

If Yes:

i. Estimate annual electricity demand during operation of the proposed action: _____

ii. Anticipated sources/suppliers of electricity for the project (e.g., on-site combustion, on-site renewable, via grid/local utility, or other):

_____

iii. Will the proposed action require a new, or an upgrade, to an existing substation? ☐Yes ☐No

l. Hours of operation. Answer all items which apply.

i. During Construction:

- Monday - Friday: 7:00 am to 7;00 pm
- Saturday: 7:00 am to 5:00 pm
- Sunday: As needed
- Holidays: Not Applicable

ii. During Operations:

- Monday - Friday: Not Applicable
- Saturday: _____
- Sunday: _____
- Holidays: _____

Attachment: SUB-2024-02_K_application_101724 (29335 : SUB-2024-02SK, 1789 Dodge Road)

m. Will the proposed action produce noise that will exceed existing ambient noise levels during construction, operation, or both? ☑ Yes ☐ No

If yes:

i. Provide details including sources, time of day and duration:

Construction activities in furtherance of the construction of the proposed residential subdivision will result in temporary unavoidable adverse noise impacts during daytime hours. The project will not result in any long-term adverse noise impacts.

ii. Will the proposed action remove existing natural barriers that could act as a noise barrier or screen? ☐ Yes ☑ No

Describe: _____

n. Will the proposed action have outdoor lighting? ☑ Yes ☐ No

If yes:

i. Describe source(s), location(s), height of fixture(s), direction/aim, and proximity to nearest occupied structures:

There will be lighting provided within the public right-of-way per Town's standards for a residential street.

ii. Will proposed action remove existing natural barriers that could act as a light barrier or screen? ☐ Yes ☑ No

Describe: _____

o. Does the proposed action have the potential to produce odors for more than one hour per day? ☐ Yes ☑ No

If Yes, describe possible sources, potential frequency and duration of odor emissions, and proximity to nearest occupied structures: _____

p. Will the proposed action include any bulk storage of petroleum (combined capacity of over 1,100 gallons) or chemical products 185 gallons in above ground storage or any amount in underground storage? ☐ Yes ☑ No

If Yes:

i. Product(s) to be stored _____

ii. Volume(s) _____ per unit time _____ (e.g., month, year)

iii. Generally, describe the proposed storage facilities: _____

q. Will the proposed action (commercial, industrial and recreational projects only) use pesticides (i.e., herbicides, insecticides) during construction or operation? ☐ Yes ☑ No

If Yes:

i. Describe proposed treatment(s): _____

ii. Will the proposed action use Integrated Pest Management Practices? ☐ Yes ☐ No

r. Will the proposed action (commercial or industrial projects only) involve or require the management or disposal of solid waste (excluding hazardous materials)? ☐ Yes ☑ No

If Yes:

i. Describe any solid waste(s) to be generated during construction or operation of the facility:

- Construction: _____ tons per _____ (unit of time)
- Operation : _____ tons per _____ (unit of time)

ii. Describe any proposals for on-site minimization, recycling or reuse of materials to avoid disposal as solid waste:

- Construction: _____
- Operation: _____

iii. Proposed disposal methods/facilities for solid waste generated on-site:

- Construction: _____
- Operation: _____

Attachment: SUB-2024-02_K_application_101724 (29335 : SUB-2024-02SK, 1789 Dodge Road)

s. Does the proposed action include construction or modification of a solid waste management facility? ☐ Yes ☑ No

If Yes:

i. Type of management or handling of waste proposed for the site (e.g., recycling or transfer station. composting, landfill, or other disposal activities): _____

ii. Anticipated rate of disposal/processing:

- _____ Tons/month, if transfer or other non-combustion/thermal treatment, or
- _____ Tons/hour, if combustion or thermal treatment

iii. If landfill, anticipated site life: _____ years

t. Will the proposed action at the site involve the commercial generation, treatment, storage, or disposal of hazardous waste? ☐ Yes ☑ No

If Yes:

i. Name(s) of all hazardous wastes or constituents to be generated, handled or managed at facility: _____

ii. Generally describe processes or activities involving hazardous wastes or constituents: _____

iii. Specify amount to be handled or generated _____ tons/month

iv. Describe any proposals for on-site minimization, recycling or reuse of hazardous constituents: _____

v. Will any hazardous wastes be disposed at an existing offsite hazardous waste facility? ☐ Yes ☐ No

If Yes: provide name and location of facility: _____

If No: describe proposed management of any hazardous wastes which will not be sent to a hazardous waste facility: _____

E. Site and Setting of Proposed Action

E.1. Land uses on and surrounding the project site

a. Existing land uses.

i. Check all uses that occur on, adjoining and near the project site.

☐ Urban ☐ Industrial ☐ Commercial ☑ Residential (suburban) ☐ Rural (non-farm)
☐ Forest ☐ Agriculture ☐ Aquatic ☐ Other (specify): _____

ii. If mix of uses, generally describe:

The properties in the vicinity of the Project Site have various zoning classifications - The principal use of the nearby parcels consists of single-family homes on individual lots.

b. Land uses and covertypes on the project site.

Land use or Covertype	Current Acreage	Acreage After Project Completion	Change (Acres +/-)
• Roads, buildings, and other paved or impervious surfaces	.3	1.495	1.2
• Forested	1.9	1.5	(0.4)
• Meadows, grasslands or brushlands (non-agricultural, including abandoned agricultural)	3.45	0	(3.45)
• Agricultural (includes active orchards, field, greenhouse etc.)	0	0	0
• Surface water features (lakes, ponds, streams, rivers, etc.)	0	0	0
• Wetlands (freshwater or tidal)	0.054	0.054	0.054
• Non-vegetated (bare rock, earth or fill)	0	0	0
• Other Describe: Lawn/Permanent Open Space	1.0	2.7	1.7

Attachment: SUB-2024-02_K_application_101724 (29335 : SUB-2024-02SK, 1789 Dodge Road)

c. Is the project site presently used by members of the community for public recreation? ☐Yes ☑No
i. If Yes: explain: _____

d. Are there any facilities serving children, the elderly, people with disabilities (e.g., schools, hospitals, licensed day care centers, or group homes) within 1500 feet of the project site? ☐Yes ☑No
If Yes,
i. Identify Facilities:

e. Does the project site contain an existing dam? ☐Yes ☑No
If Yes:
i. Dimensions of the dam and impoundment:
- Dam height: _____ feet
- Dam length: _____ feet
- Surface area: _____ acres
- Volume impounded: _____ gallons OR acre-feet

ii. Dam's existing hazard classification: _____
iii. Provide date and summarize results of last inspection:

f. Has the project site ever been used as a municipal, commercial or industrial solid waste management facility, or does the project site adjoin property which is now, or was at one time, used as a solid waste management facility? ☐Yes ☑No
If Yes:
i. Has the facility been formally closed? ☐Yes ☐No
- If yes, cite sources/documentation: _____

ii. Describe the location of the project site relative to the boundaries of the solid waste management facility:

iii. Describe any development constraints due to the prior solid waste activities: _____

g. Have hazardous wastes been generated, treated and/or disposed of at the site, or does the project site adjoin property which is now or was at one time used to commercially treat, store and/or dispose of hazardous waste? ☐Yes ☑No
If Yes:
i. Describe waste(s) handled and waste management activities, including approximate time when activities occurred:

h. Potential contamination history. Has there been a reported spill at the proposed project site, or have any remedial actions been conducted at or adjacent to the proposed site? ☐Yes ☑No
If Yes:
i. Is any portion of the site listed on the NYSDEC Spills Incidents database or Environmental Site Remediation database? Check all that apply: ☐Yes ☐No
☐ Yes – Spills Incidents database — Provide DEC ID number(s): _____
☐ Yes – Environmental Site Remediation database — Provide DEC ID number(s): _____
☐ Neither database

ii. If site has been subject of RCRA corrective activities, describe control measures: _____

iii. Is the project within 2000 feet of any site in the NYSDEC Environmental Site Remediation database? ☐Yes ☑No
If yes, provide DEC ID number(s): _____
iv. If yes to (i), (ii) or (iii) above, describe current status of site(s):

Attachment: SUB-2024-02_K_application_101724 (29335 : SUB-2024-02SK, 1789 Dodge Road)

v. Is the project site subject to an institutional control limiting property uses? ☐Yes ☐No

- If yes, DEC site ID number: _____
- Describe the type of institutional control (e.g., deed restriction or easement): _____
- Describe any use limitations: _____
- Describe any engineering controls: _____
- Will the project affect the institutional or engineering controls in place? ☐Yes ☐No
- Explain: _____

E.2. Natural Resources On or Near Project Site

a. What is the average depth to bedrock on the project site? > 5 ft. feet

b. Are there bedrock outcroppings on the project site? ☐Yes ☑No
If Yes, what proportion of the site is comprised of bedrock outcroppings? _____ %

c. Predominant soil type(s) present on project site:

Elnora Loamy Fine Sand	53 %
Wayland Soils Complex	28 %
Cheektowaga Fine Sandy Loam	19 %

d. What is the average depth to the water table on the project site? Average: 5 feet

e. Drainage status of project site soils:
☐ Well Drained: ____% of site
☐ Moderately Well Drained: 53 % of site
☐ Poorly Drained 47 % of site

f. Approximate proportion of proposed action site with slopes:
☑ 0-10%: 100 % of site
☐ 10-15%: ____% of site
☐ 15% or greater: ____% of site

g. Are there any unique geologic features on the project site? ☐Yes ☑No
If Yes, describe: _____

h. Surface water features.
i. Does any portion of the project site contain wetlands or other waterbodies (including streams, rivers, ponds or lakes)? ☑Yes ☐No
ii. Do any wetlands or other waterbodies adjoin the project site? ☑Yes ☐No
If Yes to either *i* or *ii*, continue. If No, skip to E.2.i.
iii. Are any of the wetlands or waterbodies within or adjoining the project site regulated by any federal, state or local agency? ☑Yes ☐No
iv. For each identified regulated wetland and waterbody on the project site, provide the following information:

- Streams: Name 837-47 Classification C
- Lakes or Ponds: Name _____ Classification _____
- Wetlands: Name NYS Wetland, Federal Waters, Federal Waters, Fe... Approximate Size NYS Wetland (in a...
- Wetland No. (if regulated by DEC) CC-15

v. Are any of the above water bodies listed in the most recent compilation of NYS water quality-impaired waterbodies? ☑Yes ☐No
If yes, name of impaired water body/bodies and basis for listing as impaired: _____
Name - Pollutants - Uses:Ransom Creek, Lower, and tribs – Pathogens;D.O./Oxygen Demand – Recreation;Aquatic Life

i. Is the project site in a designated Floodway? ☐Yes ☑No

j. Is the project site in the 100-year Floodplain? ☑Yes ☐No

k. Is the project site in the 500-year Floodplain? ☑Yes ☐No

l. Is the project site located over, or immediately adjoining, a primary, principal or sole source aquifer? ☐Yes ☑No
If Yes:
i. Name of aquifer: _____

Attachment: SUB-2024-02_K_application_101724 (29335 : SUB-2024-02SK, 1789 Dodge Road)

m. Identify the predominant wildlife species that occupy or use the project site:
Typical suburban speices

n. Does the project site contain a designated significant natural community? ☐Yes ☑No
If Yes:
i. Describe the habitat/community (composition, function, and basis for designation):
ii. Source(s) of description or evaluation:
iii. Extent of community/habitat:
- Currently: _____ acres
- Following completion of project as proposed: _____ acres
- Gain or loss (indicate + or -): _____ acres

o. Does project site contain any species of plant or animal that is listed by the federal government or NYS as endangered or threatened, or does it contain any areas identified as habitat for an endangered or threatened species? ☐ Yes ☑No
If Yes:
i. Species and listing (endangered or threatened):

p. Does the project site contain any species of plant or animal that is listed by NYS as rare, or as a species of special concern? ☐Yes ☑No
If Yes:
i. Species and listing:

q. Is the project site or adjoining area currently used for hunting, trapping, fishing or shell fishing? ☐Yes ☑No
If yes, give a brief description of how the proposed action may affect that use:

E.3. Designated Public Resources On or Near Project Site

a. Is the project site, or any portion of it, located in a designated agricultural district certified pursuant to Agriculture and Markets Law, Article 25-AA, Section 303 and 304? ☐Yes ☑No
If Yes, provide county plus district name/number:

b. Are agricultural lands consisting of highly productive soils present? ☐Yes ☑No
i. If Yes: acreage(s) on project site?
ii. Source(s) of soil rating(s):

c. Does the project site contain all or part of, or is it substantially contiguous to, a registered National Natural Landmark? ☐Yes ☑No
If Yes:
i. Nature of the natural landmark: ☐ Biological Community ☐ Geological Feature
ii. Provide brief description of landmark, including values behind designation and approximate size/extent:

d. Is the project site located in or does it adjoin a state listed Critical Environmental Area? ☐Yes ☑No
If Yes:
i. CEA name:
ii. Basis for designation:
iii. Designating agency and date:

Attachment: SUB-2024-02_K_application_101724 (29335 : SUB-2024-02SK, 1789 Dodge Road)

e. Does the project site contain, or is it substantially contiguous to, a building, archaeological site, or district which is listed on the National or State Register of Historic Places, or that has been determined by the Commissioner of the NYS Office of Parks, Recreation and Historic Preservation to be eligible for listing on the State Register of Historic Places? ☐Yes ☑No

If Yes:

i. Nature of historic/archaeological resource: ☐Archaeological Site ☐Historic Building or District

ii. Name: _____

iii. Brief description of attributes on which listing is based:

_____

f. Is the project site, or any portion of it, located in or adjacent to an area designated as sensitive for archaeological sites on the NY State Historic Preservation Office (SHPO) archaeological site inventory? ☐Yes ☑No

g. Have additional archaeological or historic site(s) or resources been identified on the project site? ☐Yes ☑No

If Yes:

i. Describe possible resource(s): _____

ii. Basis for identification: _____

h. Is the project site within fives miles of any officially designated and publicly accessible federal, state, or local scenic or aesthetic resource? ☐Yes ☑No

If Yes:

i. Identify resource: _____

ii. Nature of, or basis for, designation (e.g., established highway overlook, state or local park, state historic trail or scenic byway, etc.): _____

iii. Distance between project and resource: _____ miles.

i. Is the project site located within a designated river corridor under the Wild, Scenic and Recreational Rivers Program 6 NYCRR 666? ☐Yes ☑No

If Yes:

i. Identify the name of the river and its designation: _____

ii. Is the activity consistent with development restrictions contained in 6NYCRR Part 666? ☐Yes ☐No

F. Additional Information

Attach any additional information which may be needed to clarify your project.

If you have identified any adverse impacts which could be associated with your proposal, please describe those impacts plus any measures which you propose to avoid or minimize them.

G. Verification

I certify that the information provided is true to the best of my knowledge.

Applicant/Sponsor Name Joe Rubino Date August 16, 2021

Signature _____ Title Counsel for Project Sponsor

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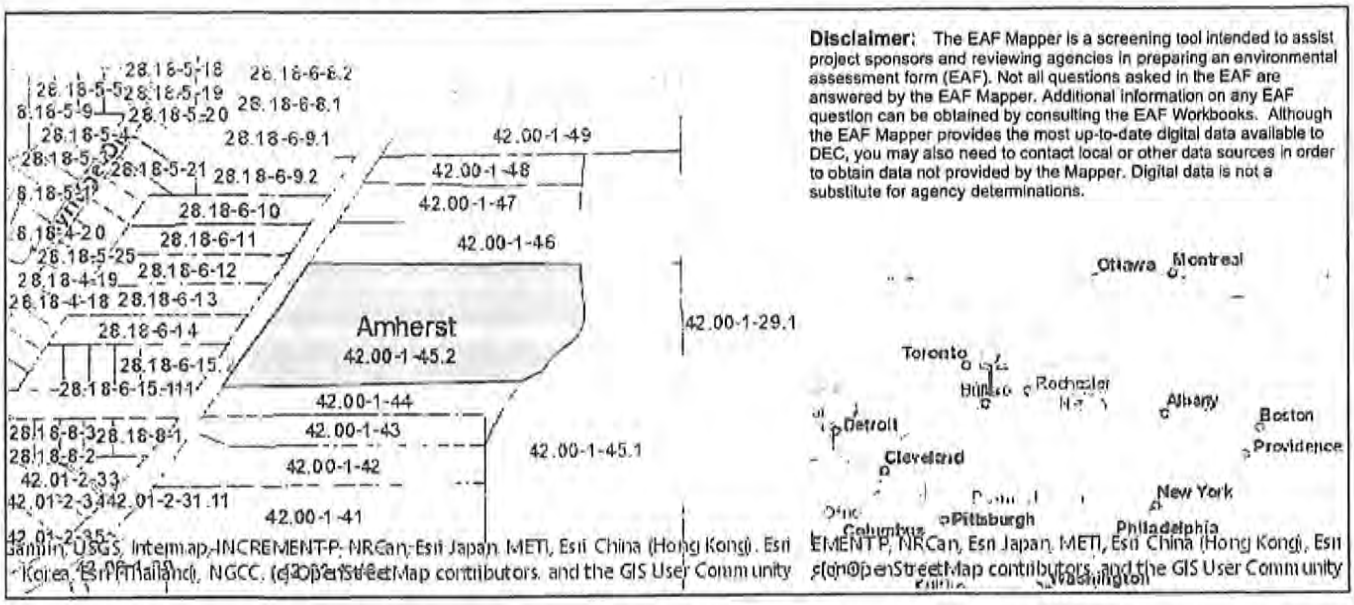
Attachment: SUB-2024-02_K_application_101724 (29335 : SUB-2024-02SK, 1789 Dodge Road)

EAF Mapper Summary Report

Monday, December 21, 2020 3:37 PM



B.i.i [Coastal or Waterfront Area]	No
B.i.ii [Local Waterfront Revitalization Area]	No
C.2.b. [Special Planning District]	Yes - Digital mapping data are not available for all Special Planning Districts. Refer to EAF Workbook.
C.2.b. [Special Planning District - Name]	NYS Heritage Areas:West Erie Canal Corridor
E.1.h [DEC Spills or Remediation Site - Potential Contamination History]	Digital mapping data are not available or are incomplete. Refer to EAF Workbook.
E.1.h.i [DEC Spills or Remediation Site - Listed]	Digital mapping data are not available or are incomplete. Refer to EAF Workbook.
E.1.h.i [DEC Spills or Remediation Site - Environmental Site Remediation Database]	Digital mapping data are not available or are incomplete. Refer to EAF Workbook.
E.1.h.iii [Within 2,000' of DEC Remediation Site]	No
E.2.g [Unique Geologic Features]	No
E.2.h.i [Surface Water Features]	Yes
E.2.h.ii [Surface Water Features]	Yes
E.2.h.iii [Surface Water Features]	Yes - Digital mapping information on local and federal wetlands and waterbodies is known to be incomplete. Refer to EAF Workbook.
E.2.h.iv [Surface Water Features - Stream Name]	837-47
E.2.h.iv [Surface Water Features - Stream Classification]	C
E.2.h.iv [Surface Water Features - Wetlands Name]	NYS Wetland, Federal Waters
E.2.h.iv [Surface Water Features - Wetlands Size]	NYS Wetland (in acres):182.9
E.2.h.iv [Surface Water Features - DEC Wetlands Number]	CC-15

Attachment: SUB-2024-02_K_application_101724 (29335 : SUB-2024-02SK, 1789 Dodge Road)

E.2.h.v [Impaired Water Bodies]	Yes
E.2.h.v [Impaired Water Bodies - Name and Basis for Listing]	Name - Pollutants - Uses:Ransom Creek, Lower, and tribs – Pathogens;D.O./Oxygen Demand – Recreation;Aquatic Life
E.2.i. [Floodway]	No
E.2.j. [100 Year Floodplain]	Yes
E.2.k. [500 Year Floodplain]	Yes
E.2.l. [Aquifers]	No
E.2.n. [Natural Communities]	No
E.2.o. [Endangered or Threatened Species]	No
E.2.p. [Rare Plants or Animals]	No
E.3.a. [Agricultural District]	No
E.3.c. [National Natural Landmark]	No
E.3.d [Critical Environmental Area]	No
E.3.e. [National or State Register of Historic Places or State Eligible Sites]	Digital mapping data are not available or are incomplete. Refer to EAF Workbook.
E.3.f. [Archeological Sites]	No
E.3.i. [Designated River Corridor]	No

Attachment: SUB-2024-02_K_application_101724 (29335 : SUB-2024-02SK, 1789 Dodge Road)

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APPENDIX 4 – NYSDEC WETLAND VERIFICATION LETTER

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Fish and Wildlife, Region 9
270 Michigan Avenue, Buffalo, NY 14203-2915
P: (716) 851-7010 | F: (716) 851-7005
www.dec.ny.gov

March 10, 2021

Joe Rubino
Howard Hanna Office
4562 Sheridan Drive
Williamsville, New York 14221

Dear Joe Rubino:

Wetland CC-15
Boundary Delineation
1789 Dodge Road
Town of Amherst, Erie County

This letter serves as notification that I completed an office review of your property at 1789 Dodge Road, parcel #42.00-1-45.2, to determine whether wetlands present within and adjacent to the parcel meet New York State Department of Environmental Conservation (NYSDEC) criteria for state wetlands jurisdiction.

Based on our review, we verified the boundary, delineated by Earth Dimensions, Inc. (EDI), of Wetland CC-15, denoted as "Wetland 1" by EDI. The wetland boundary is identified with pink plastic flagging consecutively numbered from W1-1 through W1-7 and extends generally south to north across the eastern property boundary, as depicted in Figure 6 in EDI's December 2020 Wetland and Waterbodies Delineation Report.

In 1975, the New York State Legislature passed the Freshwater Wetlands Act to preserve and protect wetlands and their functions, such as flood protection and fish and wildlife habitat. Activities that may have a negative impact on the wetlands and their functions, such as construction, filling, draining, clearing vegetation, or polluting, are regulated. Landowners must first obtain permits in order to ensure that no problems result from their proposed activities in the wetland or the regulated 100-foot adjacent area. Contact our Division of Environmental Permits Office for information regarding permit requirements at:

New York State Department of Environmental Conservation
Division of Environmental Permits
270 Michigan Avenue
Buffalo, New York 14203-2915
Telephone: (716) 851-7165

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

Attachment: SUB-2024-02_K_application_101724 (29335 : SUB-2024-02SK, 1789 Dodge Road)

Locations of wetland flags were recorded with a hand-held Global Positioning System and, therefore, may not be survey-accurate. For precise locations of the boundaries, have the flags surveyed relative to the property boundary. Note that wetland boundaries may change over time and this map does not fix the wetland boundary indefinitely.

If you would like to document the precise boundary of the wetland relative to your property boundary, it is your responsibility to have the wetland boundary surveyed. If you choose to complete a survey, the wetland boundary survey map should be submitted to me for verification. A copy of this Department's Requirements for Wetland Survey and Mapping is enclosed. Please note that a surveyed wetland boundary that has been verified by this Department will be considered valid for **five** years.

Please note that, for the purpose of an Article 24 application, this Department will not require a surveyed wetland boundary map. Instead, you may submit a sketch of the planned work areas on the wetland delineation map and indicate distances between the work areas and the wetland boundary using on-the-ground measurements.

Be advised that the U.S. Army Corps of Engineers may also have wetland jurisdiction irrespective of the Department of Environmental Conservation. For more information, you may contact the Corps at:

United States Army Corps of Engineers Regulatory Branch
1776 Niagara Street
Buffalo, New York 14207
Telephone: (716) 879-4330

If you have any questions about this wetland delineation, please feel free to call me in the Buffalo office at (716) 851-7010.

Sincerely,

Angela G. Driscoll
Wetlands & Waters Ecologist
Region 9 - Buffalo

AGD:ef

Attach: Survey Requirements
Wetland Information Handout

cc: Ms. Jody Celeste, Earth Dimensions, Inc.
Wetland CC-15 file

Attachment: SUB-2024-02_K_application_101724 (29335 : SUB-2024-02SK, 1789 Dodge Road)

Attachment: SUB-2024-02_K_application_101724 (29335 : SUB-2024-02SK, 1789 Dodge Road)

APPENDIX 5 – TREE PLANTING MAP/MONUMENT PLAN


DODGE ROAD
SITE PLAN
Row of White Spruce (Picea glauca)
* #3 Pot on 12' centers (15 trees)
Monuments (4)
Carmina Wood Morris
PROJECT NAME:
New Construction
Single Family Subdivision
1789 Dodge Road
Amherst, New York
DRAWING NAME:
Site Plan
DRAWING NO.
C-100

Attachment: SUB-2024-02_K_application_101724 (29335 : SUB-2024-02SK, 1789 Dodge Road)

APPENDIX 6 – JOINT APPLICATION FOR PERMIT

NEW YORK STATE | Department of Environmental Conservation | Office of General Services | Department of State

US Army Corps of Engineers

JOINT APPLICATION FORM

For Permits for activities activities affecting streams, waterways, waterbodies, wetlands, coastal areas, sources of water, and endangered and threatened species.

You must separately apply for and obtain Permits from each involved agency before starting work. Please read all instructions.

1. **Applications To:**

>NYS Department of Environmental Conservation ☑ Check here to confirm you sent this form to NYSDEC.

Check all permits that apply:

- ☐ Stream Disturbance
- ☐ Excavation and Fill in Navigable Waters
- ☐ Docks, Moorings or Platforms
- ☐ Dams and Impoundment Structures
- ☐ 401 Water Quality Certification
- ☑ Freshwater Wetlands
- ☐ Tidal Wetlands
- ☐ Wild, Scenic and Recreational Rivers
- ☐ Coastal Erosion Management
- ☐ Water Withdrawal
- ☐ Long Island Well
- ☐ Incidental Take of Endangered / Threatened Species

>US Army Corps of Engineers ☐ Check here to confirm you sent this form to USACE.

Check all permits that apply: ☐ Section 404 Clean Water Act ☐ Section 10 Rivers and Harbors Act

Is the project Federally funded? ☐ Yes ☑ No

If yes, name of Federal Agency:

General Permit Type(s), if known:

Preconstruction Notification: ☐ Yes ☑ No

>NYS Office of General Services ☐ Check here to confirm you sent this form to NYSOGS.

Check all permits that apply:

- ☐ State Owned Lands Under Water
- ☐ Utility Easement (pipelines, conduits, cables, etc.)
- ☐ Docks, Moorings or Platforms

>NYS Department of State ☐ Check here to confirm you sent this form to NYSDOS.

Check if this applies: ☐ Coastal Consistency Concurrence

2. **Name of Applicant**

Joseph Rubino

Taxpayer ID (if applicant is NOT an individual)

Mailing Address: 5462 Sheridan Drive

Post Office / City: Williamsville

State: NY

Zip: 14221

Telephone: 716-983-1155

Email: JosephRubino@howardhanna.com

Applicant Must be (check all that apply): ☑ Owner ☐ Operator ☐ Lessee

3. **Name of Property Owner (if different than Applicant)**

Mailing Address

Post Office / City

State

Zip

Telephone

Email

For Agency Use Only	Agency Application Number:

Attachment: SUB-2024-02_K_application_101724 (29335 : SUB-2024-02SK, 1789 Dodge Road)

4. **Name of Contact / Agent**

Scott Livingstone

Mailing Address	Post Office / City	State	Zip
Earth Dimensions, Inc. 1091 Jamison Road	Elma	NY	14059

Telephone 716-655-1717 Email slivingstone@earthdimensions.com

5. **Project / Facility Name**

Single Family Residential Subdivision

Property Tax Map Section / Block / Lot Number: 42.00-1-45.2

Project Street Address, if applicable	Post Office / City	State	Zip
1789 Dodge Road	East Amherst	NY	14051

Provide directions and distances to roads, intersections, bridges and bodies of water

The site is located on the east side of Dodge Road north of the intersection with Brenridge Drive.

☑ Town ☐ Village ☐ City

County	Stream/Waterbody Name
Erie	FWW CC-15 Upland AA

Amherst

Project Location Coordinates: Enter Latitude and Longitude in degrees, minutes, seconds:

Latitude: 43 ° 1 ' 46.956N " Longitude: -78 ° 43 ' 38.352W "

6. **Project Description:** Provide the following information about your project. Continue each response and provide any additional information on other pages. **Attach plans on separate pages.**

a. Purpose of the proposed project:

The proposed project involves the construction of a 17-lot residential subdivision on a 6.7 acre mostly vacant land parcel.

b. Description of current site conditions:

The project area is mostly mown lawn with scattered trees. An existing single family home and outbuilding are located near the Dodge Road frontage.

c. Proposed site changes:

The project will involve the construction a 17-lot residential subdivision with associated infrastructure. The project will require the impact to 6,025 square feet (0.14 acre) of state regulated 100-foot upland adjacent area to FWW CC-15. The proposed impact area is within an existing mown lawn area.

d. Type of structures and fill materials to be installed, and quantity of materials to be used (e.g., square feet of coverage, cubic yards of fill material, structures below ordinary/mean high water, etc.):

No impacts are proposed to any regulated streams.

e. Area of excavation or dredging, volume of material to be removed, location of dredged material placement:

The project does not involve dredging. The site will be graded, with all graded material remaining on site.

f. Is tree cutting or clearing proposed? ☑ Yes If Yes, explain below. ☐ No

Timing of the proposed cutting or clearing (month/year): Unknown

Number of trees to be cut: Acreage of trees to be cleared: 6.7 acres

Attachment: SUB-2024-02_K_application_101724 (29335 : SUB-2024-02SK, 1789 Dodge Road)

JOINT APPLICATION FORM – Continued. Submit this completed page as part of your Application.

g. Work methods and type of equipment to be used:

Standard construction practices and equipment, including excavators and bull dozers will be utilized during the construction of the project.

h. Describe the planned sequence of activities:

Pollution control (silt fence, silt sock, etc.) will be installed prior to site disturbance. The site will then be cleared and stripped and the stormwater facilities will be installed. Upon completion of initial grading, roads and utilities will be installed followed by construction of the residential structures. Upon completion, the site will be finished graded and stabilized.

i. Pollution control methods and other actions proposed to mitigate environmental impacts:

Standard Blue Book SWPPP measures will be used to prevent sediment from entering waterways or wetlands during construction.

j. Erosion and silt control methods that will be used to prevent water quality impacts:

Silt fence or silt sock will be placed along the approved limits of disturbance. Immediately after final grading, seeding and mulching will take place.

k. Alternatives considered to avoid regulated areas. If no feasible alternatives exist, explain how the project will minimize impacts:

The project has been designed to minimize impacts to the upland adjacent area. The 0.14 acre of upland adjacent area impact is associated with grading requirements for Lot 9 and the proposed road terminus.

l. Proposed use: ☑ Private ☐ Public ☐ Commercial

m. Proposed Start Date: Summer 2022 Estimated Completion Date: Summer 2023

n. Has work begun on project? ☐ Yes If Yes, explain below. ☑ No

o. Will project occupy Federal, State, or Municipal Land? ☐ Yes If Yes, explain below. ☑ No

p. List any previous DEC, USACE, OGS or DOS Permit / Application numbers for activities at this location:

LRB-2020-01691

q. Will this project require additional Federal, State, or Local authorizations, including zoning changes?

☑ Yes If Yes, list below. ☐ No

Town of Amherst Site Plan Approval
Erie County Health Department

Attachment: SUB-2024-02_K_application_101724 (29335 : SUB-2024-02SK, 1789 Dodge Road)

JOINT APPLICATION FORM – Continued. Submit this completed page as part of your Application.

7. **Signatures.**
Applicant and Owner (If different) must sign the application.
Append additional pages of this Signature section if there are multiple Applicants, Owners or Contact/Agents.

I hereby affirm that information provided on this form and all attachments submitted herewith is true to the best of my knowledge and belief.

Permission to Inspect - I hereby consent to Agency inspection of the project site and adjacent property areas. Agency staff may enter the property without notice between 7:00 am and 7:00 pm, Monday - Friday. Inspection may occur without the owner, applicant or agent present. If the property is posted with "keep out" signs or fenced with an unlocked gate, Agency staff may still enter the property. Agency staff may take measurements, analyze site physical characteristics, take soil and vegetation samples, sketch and photograph the site. I understand that failure to give this consent may result in denial of the permit(s) sought by this application.

False statements made herein are punishable as a Class A misdemeanor pursuant to Section 210.45 of the NYS Penal Law. Further, the applicant accepts full responsibility for all damage, direct or indirect, of whatever nature, and by whomever suffered, arising out of the project described herein and agrees to indemnify and save harmless the State from suits, actions, damages and costs of every name and description resulting from said project. In addition, Federal Law, 18 U.S.C., Section 1001 provides for a fine of not more than $10,000 or imprisonment for not more than 5 years, or both where an applicant knowingly and willingly falsifies, conceals, or covers up a material fact; or knowingly makes or uses a false, fictitious or fraudulent statement.

Signature of Applicant Date: 2/10/22

Applicant Must be (check all that apply): ☑ Owner ☐ Operator ☐ Lessee

Printed Name: Joseph Rubino

Title: Owner

Signature of Owner (if different than Applicant) Date:

Printed Name:

Title:

Signature of Contact / Agent Date: 2.10.22

Printed Name: Scott Livingstone

Title: Wetlands Operations Manager

For Agency Use Only **DETERMINATION OF NO PERMIT REQUIRED**

Agency Application Number:

(Agency Name) has determined that No Permit is required from this Agency for the project described in this application.

Agency Representative:

Printed Name: Title:

Signature: Date:

Attachment: SUB-2024-02_K_application_101724 (29335 : SUB-2024-02SK, 1789 Dodge Road)

AUTHORIZATION

The Executors of the Estate of Theresa Lotter, record property owner of 50% of the property located at 10060 Transit Road in the Town of Amherst, New York (the "Property"), hereby authorizes the law firm of Barclay Damon, LLP to file a rezoning application for the Property, along with any and all necessary supporting documentation, including any additional applications or submittals required, with the Town of Amherst, in connection with the approvals sought for the Property.

By: Heidi A. Wieczorek

Heidi A. Wieczorek

Title: Co-Executor

Dated: 4-15-2019

18347390.1

Attachment: SUB-2024-02_K_application_101724 (29335 : SUB-2024-02SK, 1789 Dodge Road)

FINAL

LAND PURCHASE AGREEMENT

DATE: March ___, 2019

SELLER: Fritz Lotter and The Estate of Theresa Lotter
10060 Transit Road
East Amherst, NY 14051

PURCHASER: Forbes Homes, Inc., its successors and or assigns
470 Cayuga Road
Cheektowaga, NY 14225

ATTORNEY APPROVAL:

This Purchase Agreement is subject to attorney approval of the respective parties within five (5) business days of the Effective Date, hereinafter defined in Paragraph 21 of this Agreement. If approval is not given within five (5) business days of the Effective Date said condition will be deemed waived ("Attorney Approval Contingency").

BACKGROUND INFORMATION:

Seller is the owner of the Premises (defined herein). Seller wishes to sell the Premises as defined in Paragraph 1 (f) of this Agreement to Purchaser and Purchaser wishes to purchase the Premises from Seller.

CONSIDERATION:

In consideration of the promises, the mutual covenants and agreements set forth herein and other good and valuable consideration, Seller and Purchaser agree as set forth below.

1. **DEFINITIONS:**

   a) "Agreement" shall mean this Land Purchase Agreement.

   b) "Closing" shall mean the act of consummating the transactions contemplated in this Agreement.

   c) "Closing Date" means the date on which the Closing occurs as established pursuant to the provisions herein.

   d) "Intended use" means the use of the property as a subparcelled residential development, townhouses, mixed use commercial residential office and development of such property for such use.

   e) "Permitted Exceptions" shall mean, and shall be limited to, public utility easements of record, if any, which do not interfere with Purchaser's Intended Use.

Attachment: SUB-2024-02_K_application_101724 (29335 : SUB-2024-02SK, 1789 Dodge Road)

f) "Premises" shall mean the parcel of land consisting of approximately 24 +/- acres, located at 10060 Transit Road, New York, SBL 29.01-2-5.1.

2. SALE OF PREMISES. Seller agrees to sell to Purchaser and Purchase agrees to purchase from Seller the Premises subject to only the Permitted Exceptions.

Purchaser shall accept the Property subject to Permitted Exceptions, providing they do not conflict with Purchaser's Intended Use.

INITIAL

3. PURCHASE PRICE.

a) ☐ Subject to the adjustments described herein, Purchaser agrees to pay to Seller a total sum calculated at $00,000.00/acre of land, exclusive of delineated on-site wetlands.

Example:

32 total site acres
1-acre delineated wetlands
31 acres exclusive of wetlands x $00,000.00/acre = $000,000.00 Purchase Price

OR

☒ Subject to adjustments described herein, Purchaser agrees to pay to Seller a total sum of [redacted]

b) *Initial Deposit:* Upon acceptance and full execution of this Contract and waiver or expiration of the Attorney Approval Contingency, an Initial Deposit of Ten Thousand and 00/100 Dollars ($10,000.00) shall be delivered to Seller's attorney by Purchaser to be held in escrow by Seller's attorney until the Closing Date or earlier termination of this Agreement. On the Closing Date, said deposit shall be distributed 50 percent ($5,000.00) to Fritz Lotter and 50 percent ($5,000.00) to The Estate of Theresa Lotter.

c) *Additional Deposit:* Upon satisfying all Contingencies described in Paragraph 6, an Additional Deposit of Ten Thousand and 00/100 ($10,000.00) shall be delivered to Seller's attorney by Purchaser to be held in escrow by Seller's attorney until the Closing Date or earlier termination of this Agreement. On the Closing Date, said deposit shall be distributed 50 percent ($5,000.00) to Fritz Lotter and 50 percent ($5,000.00) to The Estate of Theresa Lotter.

d) *Closing Payment:* After deposits, the balance due on this Contract is [redacted] as adjusted pursuant to the term of this Agreement ("Adjusted Purchase Price"), to be paid and distributed as follows:

Attachment: SUB-2024-02_K_application_101724 (29335 : SUB-2024-02SK, 1789 Dodge Road)

i) On closing and delivery of the Deed to the Premises, Purchaser shall deliver to the Estate of Theresa Lotter the sum of Fifty Percent (50%) of the Adjusted Purchase Price.

ii) On closing and delivery of the Deed to the Premises, Purchaser shall deliver to Fritz Lotter the sum of Twenty- Five Percent (25%) of the Adjusted Purchase Price.

iii) On closing and delivery of the Deed to the Premises, Purchaser shall deliver to Fritz Lotter's attorney, John P. Robshaw Jr., Esq. the sum of Twenty-Five Percent (25%) of the Adjusted Purchase Price.

4. TITLE.

a) At its own expense, Seller shall cause to be furnished and delivered to Purchaser's attorneys within fifteen (15) days after full execution of this Contract, a tax and title search fully guaranteed by a title insurance corporation licensed under Article 64 of the Title Insurance Law, which includes a search of indices to bankrupts in the office of the clerk of the United States Bankruptcy Court in the district where the Premises are located, which covers Premises only, is dated subsequent to the date of this Agreement, and with a local tax certificate where not covered by the search. The first set-out of the search shall be the first recorded source of title in the County Clerk's Office where the Premises is located or a deed to an apparent owner recorded prior to 1920.

b) Seller shall credit Purchaser at closing for the cost of a survey that will be prepared by a licensed surveyor of Purchaser's choosing. Purchaser is responsible for payment to surveyor of all costs associated with said survey. The survey shall show the Premises and the location of all borders, easements and rights of way on or affecting the Premises, meet at least the minimum ALTA and Erie County Bar Association standards and shall include staking if desired by Purchaser. Any easement or encroachment appearing on the survey, which is not a Permitted Exception, shall be deemed a title defect under this Agreement.

c) Seller shall deliver good and marketable title to the Premises subject only to the Permitted Exceptions. Seller shall deliver to the agents for such title company as Purchaser shall select such documentation as may be reasonably required for Purchaser to obtain fee title insurance or mortgagee title insurance.

d) Purchaser agrees to notify Seller in writing of any objections to or defects of title at least ten (10) days prior to the Closing Date. Seller shall, at Seller's expense cure such title defects within thirty (30) days thereafter. Seller shall use reasonable efforts to cure any title defects or objections. If Seller cannot cure such title defects, Seller shall pay for title insurance to insure over the Title Defects to the satisfaction of Purchaser and its lender naming Purchaser and its lender as insured which policy shall be ordered and obtained by Purchaser and invoiced to Seller. If Seller, after exercising due diligence and acting in good faith, cannot cure the Title Defects or comply with such requests of the issuer to enable it to insure over the Title Defects

Attachment: SUB-2024-02_K_application_101724 (29335 : SUB-2024-02SK, 1789 Dodge Road)

to the satisfaction of Purchaser and the Lender, then Purchaser may cancel this Agreement or elect to accept title as Seller can convey. If Purchaser elects to cancel this Agreement, all deposits shall be returned to Purchaser and this Agreement shall terminate without further liability as to either Party.

5. TAXES.

a) Seller shall pay in full all real estate and school taxes, all water and sewer charges, and all installments for special assessments against the Property, due and payable prior to the Closing Date.

b) Any non-delinquent taxes and assessments appearing on current tax bills and water and sewer charges shall be prorated and adjusted as of 12:00 midnight prior to the delivery of the deed.

c) Any agriculture or special tax credit/exemption/conservation program fees, costs or penalties incurred or due as a result of Purchaser's intended development of the Property shall be paid by Seller.

INITIAL

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6. CONTINGENCY. This Contract is contingent on the following:

a) ☐ *Subdivision Approval:* Closing is subject to approval of the subdivision by the appropriate Town, County and State Departments for the contemplated subdivision and is expected to take between 12 and 18 months.

b) ☐ *Site Plan Approval:* Purchaser receiving final site plan approval for Purchaser's Intended Use and development from the local governing bodies of the municipality where the Premises is located.

c) ☐ *Mortgage Financing:* Purchaser receiving a mortgage in an amount not less than $_____, with interest at a rate not greater than ___ percent, with a term not less than _____years, an amortization period not less than ____, a lot release fee not greater than $_____], and other commercially reasonable terms and conditions of Purchaser.

d) *Other Inspection:* Purchaser receiving results acceptable to Purchaser in Purchaser's sole and absolute discretion, of such investigations desired to be performed by Purchaser to determine that the Premises is acceptable to Purchaser for the Intended Use, including without limitation, environmental testing, water testing, investigation as to location and costs to connect utilities, reviewing restrictive covenants, investigating local law and regulation compliance, availability of building permits, soil testing, investigations of zoning, and investigations as to flood plain and wetland status.

e) In the event that any of these Contingencies are not fulfilled or waived by Purchaser within 180 days from the receipt of written confirmation from Seller that the Inspection Records (as defined in Section 14(b)) have been provided to Purchaser,

Attachment: SUB-2024-02_K_application_101724 (29335 : SUB-2024-02SK, 1789 Dodge Road)

either Seller or Purchaser may terminate this Agreement and all deposits shall be returned to Purchaser.

7. RECORDS. Seller shall promptly provide upon request copies of such real estate tax bills, financial information, and other information or documents relating to the Premises as Purchaser shall reasonably request.

8. REPRESENTATIONS AND WARRANTIES OF SELLER. Seller hereby makes the following representations and warranties to Purchaser, all of which representations and warranties are true and accurate on the date hereof, will be true and accurate on the Closing Date and all of which shall survive Closing:

a) This Agreement constitutes the legal, valid and binding obligation of Seller enforceable against Seller in accordance within its terms.

b) There is no action, proceeding, or investigation pending or, to the best of Seller's knowledge threatened (nor any basis therefore), which questions, directly or indirectly, the validity or enforceability of this Agreement, any easements benefiting or burdening the Premises, any certificates, approvals, permits, licenses or environmental impact statements.

c) Seller has title to the Property and is authorized to enter this Land Purchase Agreement.

d) There are no leases, subleases, occupancy or operating agreements affecting the Premises and all prior leases, subleases, occupancy or operating agreements which may affect the Premises or any part thereof will be terminated, and there are no outstanding rights, duties, liabilities or obligations with respect thereto.

e) No approval, consent, order or authorization of, or designation, registration, declaration or filing (other than for recording purposes) with any governmental authority is required for Seller's valid execution and delivery of and compliance with this Agreement.

f) Seller has not received any notice of or has any knowledge of any violation of any zoning, building, law, ordinance, regulation, rule, condition or restriction affecting the Premises.

g) There are not particles, materials, substances or emissions of a hazardous, toxic, pollutive or ecologically or environmentally damaging nature on or below the surface of the Premises.

h) To the best of Seller's knowledge, the Premises is not within any area determined by the Department of Housing and Urban Development to be flood prone under the Federal Flood Protection Act of 1973 or within any area declared to be wetlands.

© [illegible]

Attachment: SUB-2024-02_K_application_101724 (29335 : SUB-2024-02SK, 1789 Dodge Road)

9. **REPRESENTATIONS AND WARRANTIES OF PURCHASER.** Purchaser hereby makes the following representations and warranties to Seller, all of which representations and warranties are true and accurate on the date hereof will be true and accurate on the Closing Date and all of which shall survive Closing:

   a) Purchaser shall perform Purchaser's duties and obligations under this Agreement in accordance with the terms and conditions of this Agreement.

   b) This Agreement constitutes the valid and binding obligation of Purchaser in accordance with its terms and conditions.

10. **COSTS.** Seller shall pay for tax and title search to date of Closing and for the survey, transfer tax, filing fee for transfer tax forms, recording fees for any documentation required to clear title, the special additional mortgage tax, if applicable, and premium for the owner's and lender's policy in accordance with Paragraph 4 of this Contract, if applicable. Purchaser shall pay for mortgage tax, fee for recording deed and mortgage, filing fee for Real Property Transfer Report, fee for survey certificate charge as required by Purchaser's Lender (even if mortgage not approved), mortgage holder's assumption and release of liability fees, and, except as otherwise provided in this Contract, all fees, costs and other charges imposed or required by Purchaser's lender. Each party shall pay their own legal and accounting costs and expenses.

11. **CASUALTY AND CONDEMNATION.** If, prior to Closing, the Premises or any portion thereof is damaged or destroyed by fire or other casualty or taken in a condemnation proceeding by, or sold under threat of condemnation to, an entity exercising the power of eminent domain, so as to render the Premises unsuitable (in the absolute discretion of Purchaser) for the purposes contemplated by this Agreement, Purchaser may terminate this Agreement on notice to Seller, the deposit given to Seller by Purchaser shall be promptly returned and the parties shall be relieved of, and released from, any and all further rights, duties, obligations and liabilities hereunder.

12. **BROKER:** Seller and Purchaser each represent and warrant that it did not use a broker to bring about this Agreement and agree to indemnify the other for any broker's commission claimed in violation of this representation.

13. **CLOSING.** The Property shall be closed at the Erie County Clerk's Office within ninety (90) business days of satisfaction or waiver of all Contingencies provided at Article 6, or at such place and time that Seller and Purchaser mutually agree upon (the "Closing Date"). At Closing, Seller shall deliver to Purchaser:

   a) A fully executed Warranty Deed with full covenants in recordable form for the Premises, which deed shall be in a form reasonably satisfactory to Purchaser's counsel and which deed shall convey to Purchaser good and marketable fee simple title to the Premises free and clear of all liens and encumbrances except permitted Exceptions.

   b) Original receipts for payment of all non-delinquent taxes and assessments appearing on current tax bills and water and sewer charges.

Attachment: SUB-2024-02_K_application_101724 (29335 : SUB-2024-02SK, 1789 Dodge Road)

c) Full and exclusive possession of the Property.

d) All such other documents and payments as Seller is required to deliver pursuant to the terms of this Contract.

e) At Closing, Purchaser shall deliver to Seller, the purchase money Note and Mortgage (if applicable) and all such other documents and payments as Purchaser is required to deliver pursuant to the terms of this Contract.

14. MISCELLANEOUS.

a) From and after the date of this Agreement, Seller will refrain from (i) performing any grading or excavation, construction or removal of any portions of the Premises, or making any other change or improvement upon or about the Premises Property; (ii) creating or incurring, or suffering to exist, any mortgage, lien, pledge, or other encumbrances in any way affecting the Premises; (iii) (a) modifying, terminating or extending any lease of all or part of the Premises; (b) entering into any new lease, rental agreement or operating agreement affecting any part of the Premises; (c) giving Sellers consent to any matter requiring the consent of Seller under any lease, without the prior written approval of Purchaser, with no obligation of Purchaser to give such approval; and (iv) committing any waste or nuisance upon the Premises; and Seller will observe all laws, ordinances, regulations and restrictions affecting the Property and its use.

b) Seller shall deliver within seven (7) days of the Effective Date, true and complete copies of any and all deeds, surveys, specifications, public works agreements, environmental reports, current title reports with supporting documents, deed restrictions, supplemental declarations and covenants and any agricultural or special tax credit/ exemption/ conservation program documents, copies of existing service contracts, copies of bills for current real estate school taxes and assessments, water and sewer charges, together with proof of payment thereof, legal citations, notices or warnings relating to the Premises, insurance claims, copies of title abstracts, profit and loss records, and other records relating to the use or development of the Premises that are within Seller's possession or control (the "Inspection Records"). During the time this Contract remains in full force and effect, Seller agrees that Purchaser, its agents and representatives may enter upon the Property for the purpose of making surveys, test borings, soil analysis, wetland investigation, cultural resource investigation, engineering studies and to perform other activities as Purchaser may deem necessary. Purchaser has the authority to make application to the appropriate agencies for the Intended Use and development and the owner agrees to give written approval for necessary applications to Purchasers for the Intended Use and development of the Premises.

c) Seller shall be allowed to farm the subject premises during the calendar year 2019.

d) During the calendar year 2019, Seller may remove existing soil stockpiles from the subject premises.

Attachment: SUB-2024-02_K_application_101724 (29335 : SUB-2024-02SK, 1789 Dodge Road)

e) Any date specified in this Contract which is a Saturday, Sunday, or legal holiday shall be extended to the first regular business day after such date, which is not a Saturday, Sunday, or legal holiday.

f) This Contract may be executed in several counterparts, each of which shall be deemed an original, but all of which shall constitute one and the same instrument.

g) In the event of any dispute or controversy arising out of or relating to this Contract or the parties' compliance therewith, it is agreed that the exclusive forum for determination of any and all such disputes or controversies shall be the appropriate trial court for the jurisdiction in which the Property is located. Moreover, in addition to any other relief to which it may be entitle, the prevailing party shall be entitled to recover its attorneys' fees and costs incurred in regard to such dispute or controversy. The parties waive their respective rights of trial by jury.

h) This Contract shall be governed by, construed and enforced in accordance with the law of the State of New York.

15. FURTHER ASSURANCES AND SURVIVAL. From time to time, prior to, on or after the Closing date, Seller and Purchaser shall at the request of the other make, execute and deliver or obtain and deliver all such affidavits, deeds, certificates and other instruments and documents, and shall do or cause to be done all such acts or things, which either party may reasonably require in order to more fully perfect the consummation of the transactions contemplated by this Agreement.

16. NOTICES. All notices under this Agreement shall be in writing and shall be given (i) by delivery in person, (ii) by nationally recognized next day courier service, (iii) by first class, registered or certified mail, postage prepaid; (iv) by facsimile, or by (v) electronic mail, or either party at its address set forth below

If to Purchaser:

Forbes Homes, Inc.
470 Cayuga Road
Cheektowaga, NY 14225

Barbara B. Strzemski-Haase, Esq.
Duke, Holzman, Photiadis & Gresens LLP
701 Seneca Street, Suite 750
Buffalo, New York 14210

If to Seller:

Fritz Lotter and The Estate of Theresa Lotter
10060 Transit Road
East Amherst, NY 14051

Attachment: SUB-2024-02_K_application_101724 (29335 : SUB-2024-02SK, 1789 Dodge Road)

and

John P. Robshaw, Jr., Esq.
Robshaw & Voelkl, P.C.
5672 Main Street
Williamsville, NY 14221

or at such other address as either party may from time to time designate by giving notice in writing to the other party. Seller's and Purchaser's attorneys are hereby authorized to send and receive notices hereunder on behalf of their respective clients. Any such notice, demand, request or communication shall be deemed to have been duly given or served on the date received, on the date shown on the return receipt or other evidence of delivery, if mailed, or on the date shown on the confirmation receipt, if telecopied.

17. ENTIRE AGREEMENT. This Agreement supersedes all prior discussions and agreements between Seller and Purchaser with respect to the transactions contemplated by this Agreement. This Agreement shall not be modified or amended in any respect except by a written agreement executed by or on behalf of the party or parties against which enforcement of such modification or amendment is sought.

18. CAPTIONS. All captions in this Agreement are solely for the purpose of facilitating reference to this Agreement and shall not supplement, limit or otherwise vary the text of this Agreement.

19. SEVERABILITY. If any clause, provision paragraph, or subparagraph of this Agreement or of any exhibit hereto is ruled invalid by any court of competent jurisdiction, the invalidity of such clause, provision paragraph, or subparagraph shall not affect any of the remaining clauses, provisions, paragraphs or subparagraphs of this Agreement or its exhibits.

20. BINDING EFFECT. This Agreement and the covenants, terms and conditions contained herein shall be binding upon and inure to the benefit of the heirs, executors, administrators, successors and assigns of the parties hereto.

Attachment: SUB-2024-02_K_application_101724 (29335 : SUB-2024-02SK, 1789 Dodge Road)

22. **EFFECTIVE DATE.** This Contract shall become effective on the date last signed (the Effective Date).

PURCHASER: Forbes Homes, Inc.

By: _____ Date: 3/22/19
David J. Capretto, President

SELLER:

By: _____ Date: 3/22/19
Fritz Lotter

The Estate of Theresa Lotter

By: _____ Date: 3/27/19
David Lotter, Co-Executor

By: _____ Date: 3/22/19
Mark Lotter, Co-Executor

By: _____ Date: _____
Heidi Lotter, Co-Executor

Attorney for Purchaser:

Barbara B. Strzemski-Haase, Esq.
Duke, Holzman, Photiadis & Gresens LLP
701 Seneca Street, Suite 750
Buffalo, New York 14210
(716) 855-1111
(716) 855-0327
bstrzemski-haase@dhpglaw.com

Attorney for Seller:

John P. Robshaw, Jr.
Robshaw & Voelkl, P.C.
Attorney and Counselor at Law
5672 Main Street
Williamsville, NY 14221
(716) 633-4030
(716) 633-8154 Fax
jrobshaw@robshawlaw.com

Attachment: SUB-2024-02_K_application_101724 (29335 : SUB-2024-02SK, 1789 Dodge Road)

21. **EFFECTIVE DATE.** This Contract shall become effective on the date last signed (the Effective Date).

PURCHASER: Forbes Homes, Inc.

By: _____ Date: _____
David J. Capretto, President

SELLER:

By: _____ Date: _____
Fritz Lotter

The Estate of Theresa Lotter

By: _____ Date: _____
David Lotter, Co-Executor

By: _____ Date: _____
Mark Lotter, Co-Executor

By: Heidi A Wieczorek Date: 3-26-19
~~Heidi Lotter~~, Co-Executor
Heidi A. Wieczorek

Attorney for Purchaser:

Barbara B. Strzemski-Haase, Esq.
Duke, Holzman, Photiadis & Gresens LLP
701 Seneca Street, Suite 750
Buffalo, New York 14210
(716) 855-1111
(716) 855-0327
bstrzemski-haase@dhgglaw.com

Attorney for Seller:

John P. Robshaw, Jr.
Robshaw & Voelkl, P.C.
Attorney and Counselor at Law
5672 Main Street
Williamsville, NY 14221
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jrobshaw@robshawlaw.com

Attachment: SUB-2024-02_K_application_101724 (29335 : SUB-2024-02SK, 1789 Dodge Road)

ADDENDUM
TO CONTRACT OF SALE DATED
MARCH 22, 2019
BETWEEN
FRITZ LOTTER AND THE ESTATE OF THERESA LOTTER
AND
FORBES HOMES, INC., ITS SUCCESSORS AND/OR ASSIGNS
FOR PROPERTY LOCATED AT
10060 TRANSIT ROAD

---

1. The above Contract of Sale is made contingent upon the receipt by Purchaser of all necessary subdivision and other local, state and federal approvals of the property for its Intended use ("Intended use Approvals") in Purchaser's sole and absolute discretion. In the event the Purchaser does not receive the Intended use Approvals in Purchaser's sole and absolute discretion, Purchaser may terminate this Agreement.

2. The Purchaser shall provide an additional deposit in the amount of [redacted] which, together with the previous deposit of [redacted] shall be non-refundable.

3. The Purchase Price shall increase by [redacted] for each 30 days the Closing Date is delayed after December 25, 2019, or any pro-rata portion thereof for any period less than 30 days, payable at Closing.

4. All other terms and conditions of said Contract shall remain in full force and effect.

5. This Addendum may be signed in counterpart and via electronic signatures.

Dated: September 25, 2019

Fritz Lotter

Fritz Lotter

The Estate of Theresa P. Lotter

Mark Lotter, Co-Executor

David Lotter

Heidi Lotter Wieczorek

Forbes Homes, Inc.

Representative Date

Attachment: SUB-2024-02_K_application_101724 (29335 : SUB-2024-02SK, 1789 Dodge Road)

ADDENDUM
TO CONTRACT OF SALE DATED
MARCH 22, 2019
BETWEEN
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Dated: September ____, 2019

Fritz Lotter

The Estate of Theresa P. Lotter

Mark Lotter, Co-Executor

David Lotter

Heidi Lotter Wieczorek

Forbes Homes, Inc.

Representative Date

Attachment: SUB-2024-02_K_application_101724 (29335 : SUB-2024-02SK, 1789 Dodge Road)

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Dated: September 25, 2019

Fritz Lotter

The Estate of Theresa P. Lotter

Mark Lotter, Co-Executor

David Lotter

Heidi A Wieczorek 9/25/19

Heidi Lotter Wieczorek

Forbes Homes, Inc.

Representative Date

Attachment: SUB-2024-02_K_application_101724 (29335 : SUB-2024-02SK, 1789 Dodge Road)



SITE DATA:

MIXED USE COMMERCIAL (1ST FLOOR SQFT)	44,570±
MIXED USE OFFICE (2ND FLOOR SQFT)	44,570±
MIXED USE APARTMENT (3RD-5TH FLOOR, UNITS/FLOOR)	454
TOWNHOME UNITS (TRADITIONAL NEIGHBORHOOD ATTACHED)	184
SINGLE FAMILY (TRADITIONAL NEIGHBORHOOD DETACHED)	344
SINGLE FAMILY (MU)	299
REQUIRED PARKING	0 MINIMUM
PROVIDED PARKING (ON-STREET, TRANSIT ROAD)	423
PROVIDED PARKING (ON-STREET, NEIGHBORHOOD)	323
PROVIDED PARKING (MU, REAR)	1172
PROVIDED PARKING (TOTAL)	1912

Town of Amherst
ERIE COUNTY NEW YORK
TOWN JOB NO.:

Ashley Green
1006D & 1006D Transit Road, Amherst
ERIE COUNTY, NEW YORK STATE

CONCEPT PLAN

1 of 1

Attachment: SUB-2024-02_K_application_101724 (29335 : SUB-2024-02SK, 1789 Dodge Road)

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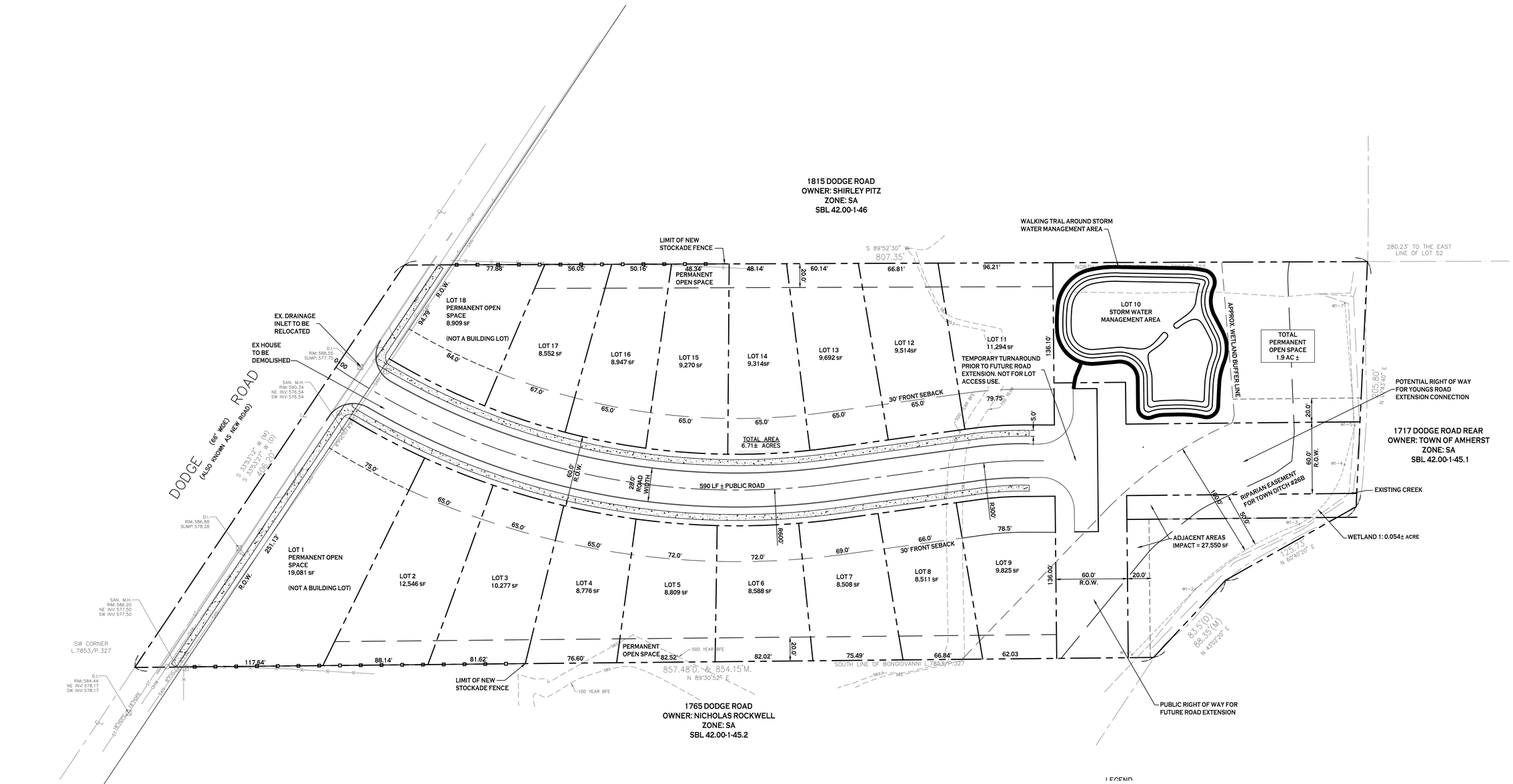

SITE PLAN

SCALE: 1"=40'

SITE DATA (ZONED R-3)
AREA = 6.7 ACRES ±
MIN. LOT WIDTH = 65 FT INTERIOR LOTS
MIN. LOT WIDTH = 75 FT CORNER LOTS
MIN. LOT AREA = 8,450 SF INTERIOR LOTS
MIN. LOT AREA = 9,750 SF CORNER LOTS
FRONT SETBACK = 30 FT (OFF EDGE OF PVMT)
SIDE SETBACK = 5 FT
REAR SETBACK = 30 FT
MAXIMUM LOT COVERAGE = 35%
MAXIMUM BUILDING HEIGHT = 35 FT
MINIMUM FLOOR AREA = 1,000 SF (1 STORY)
MINIMUM FLOOR AREA = 1,200 SF (2 STORIES)

NOTE: BOUNDARY AND TOPOGRAPHIC INFORMATION PROVIDED BY OTHERS, CARMINA WOOD DESIGN ASSUMES NO RESPONSIBILITY FOR ITS ACCURACY.

40' 40 0 40 80Ft.

CARMINAWOOD DESIGN
Buffalo | Utica | Greensboro

Single Family Subdivision

1789 Dodge Road
Amherst, New York

REVISIONS:

No.	Description	Date
1	Rev. Per Town Comments	9/19/2024

PRELIMINARY
NOT FOR CONSTRUCTION

DRAWING NAME:
Sketch Plan

Date: 08.14
Drawn By: C. W
Scale: As No

DRAWING NO.
C-100

Project No: 20.247

Attachment: SUB-2024-02_K_drawings_101724 (29335 : SUB-2024-02SK, 1789 Dodge Road)

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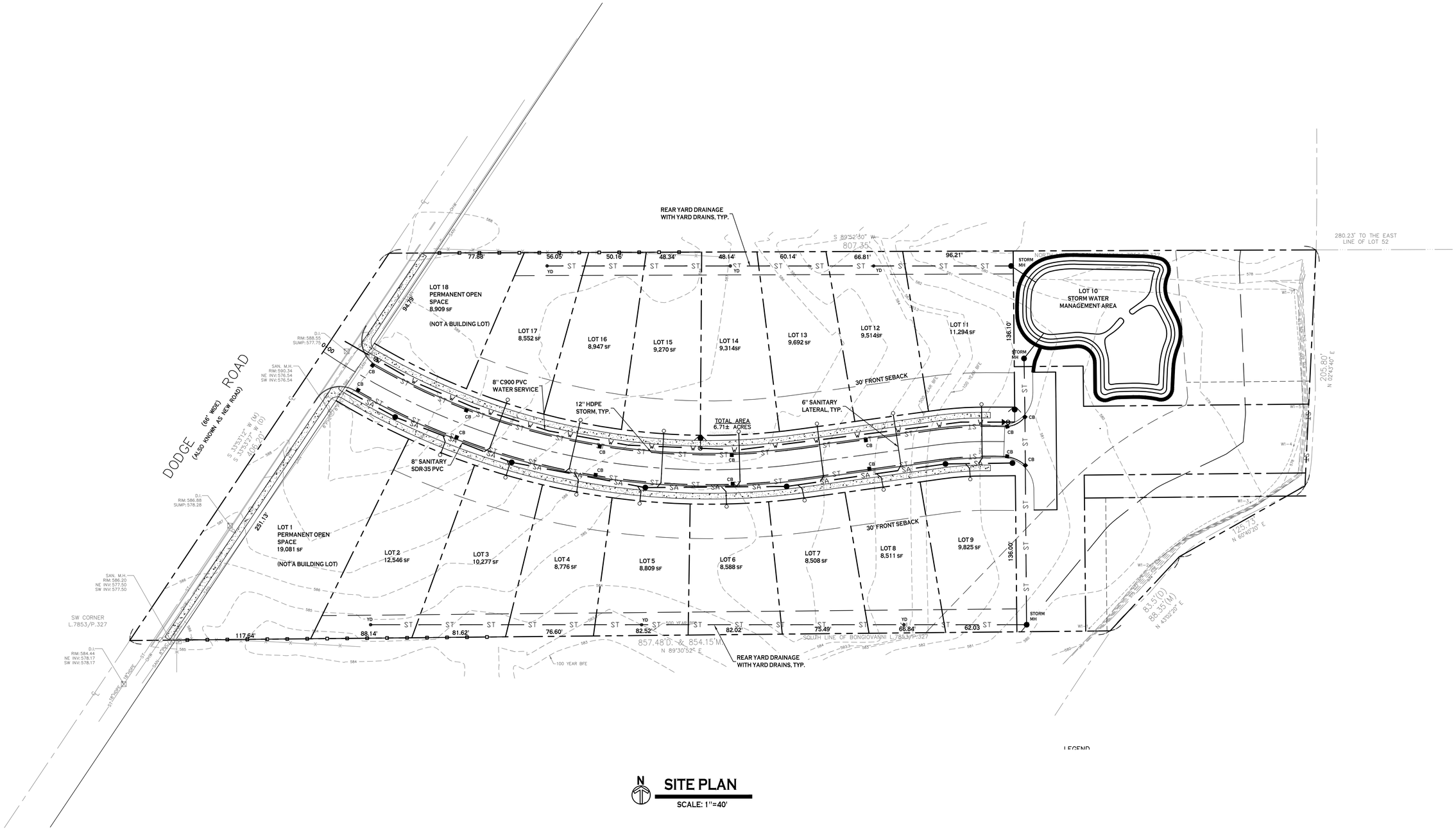

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40' 40 0 40 80Ft.

CARMINAWOOD DESIGN
Buffalo | Utica | Greensboro

Single Family Subdivision

1789 Dodge Road
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REVISIONS:		
No.	Description	Date
1	Rev. Per Town Comments	9/19/2024

PRELIMINARY
NOT FOR CONSTRUCTION

DRAWING NAME:
Concept Utility Plan

Date: 08.14
Drawn By: C. W
Scale: As No

DRAWING NO.
C-101

Project No: 20.247

Attachment: SUB-2024-02_K_drawings_101724 (29335 : SUB-2024-02SK, 1789 Dodge Road)

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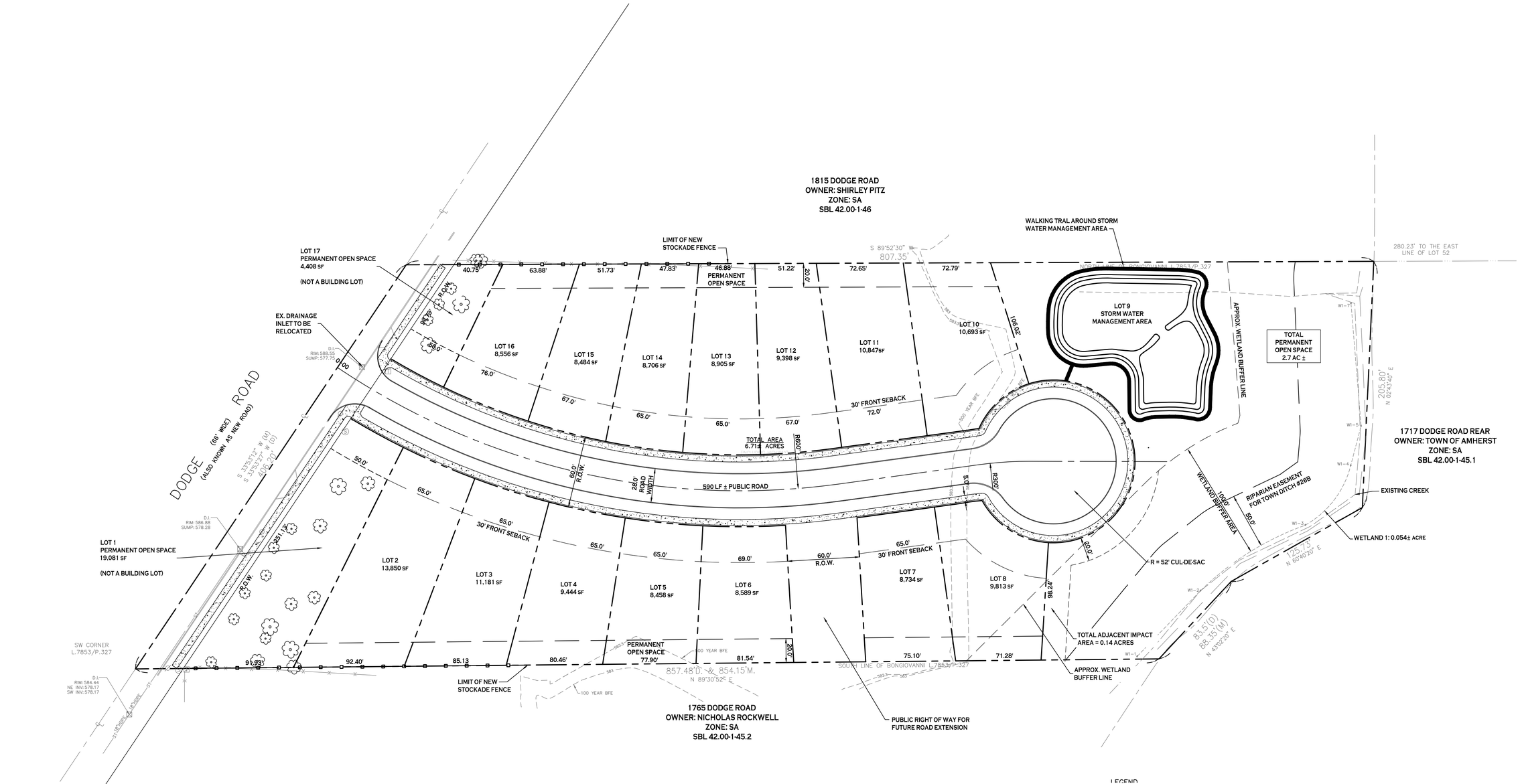

SKETCH PLAN

SCALE: 1"=40'

SITE DATA (ZONED R-3)
AREA = 6.7 ACRES ±
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40' 40 0 40 80Ft.

CARMINAWOOD DESIGN
Buffalo | Utica | Greensboro

Single Family Subdivision

1789 Dodge Road
Amherst, New York

REVISIONS:		
No.	Description	Date

Attachment: Revised Sketch Plan uploaded 10/16/24 (29335 : SUB-2024-025K, 1789 Dodge Road)

PRELIMINARY
NOT FOR CONSTRUCTION

DRAWING NAME:
Sketch Plan

Date: 10.14
Drawn By: C. W
Scale: As No

DRAWING NO.
C-100

Project No: 20.247

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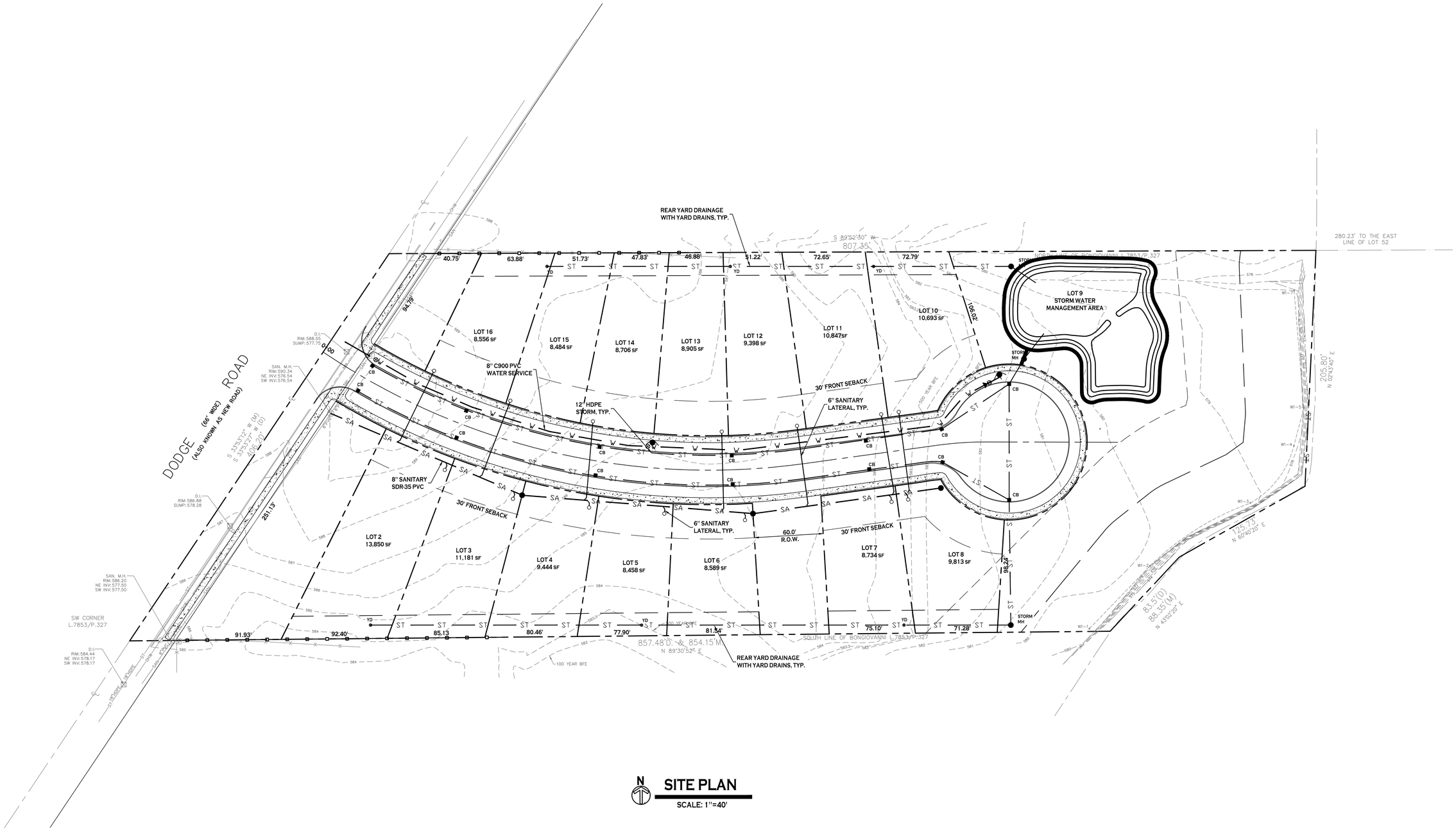

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SITE PLAN

SCALE: 1"=40'

SITE DATA (ZONED R-3)

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MINIMUM FLOOR AREA = 1,000 SF (1 STORY)
MINIMUM FLOOR AREA = 1,200 SF (2 STORIES)

NOTE: BOUNDARY AND TOPOGRAPHIC INFORMATION PROVIDED BY OTHERS. CARMINA WOOD DESIGN ASSUMES NO RESPONSIBILITY FOR ITS ACCURACY.

40 0 40 80Ft.
40'

CARMINAWOOD DESIGN
Buffalo | Utica | Greensboro

Single Family Subdivision

1789 Dodge Road
Amherst, New York

REVISIONS:

No.	Description	Date

PRELIMINARY
NOT FOR CONSTRUCTION

DRAWING NAME:
Concept Utility Plan

Date: 08.14
Drawn By: C. W
Scale: As No

DRAWING NO.
C-101

Project No: 20.247

Attachment: Revised Concept Utility Plan uploaded 10/16/24 (29335 : SUB-2024-025K, 1789 Dodge Road)

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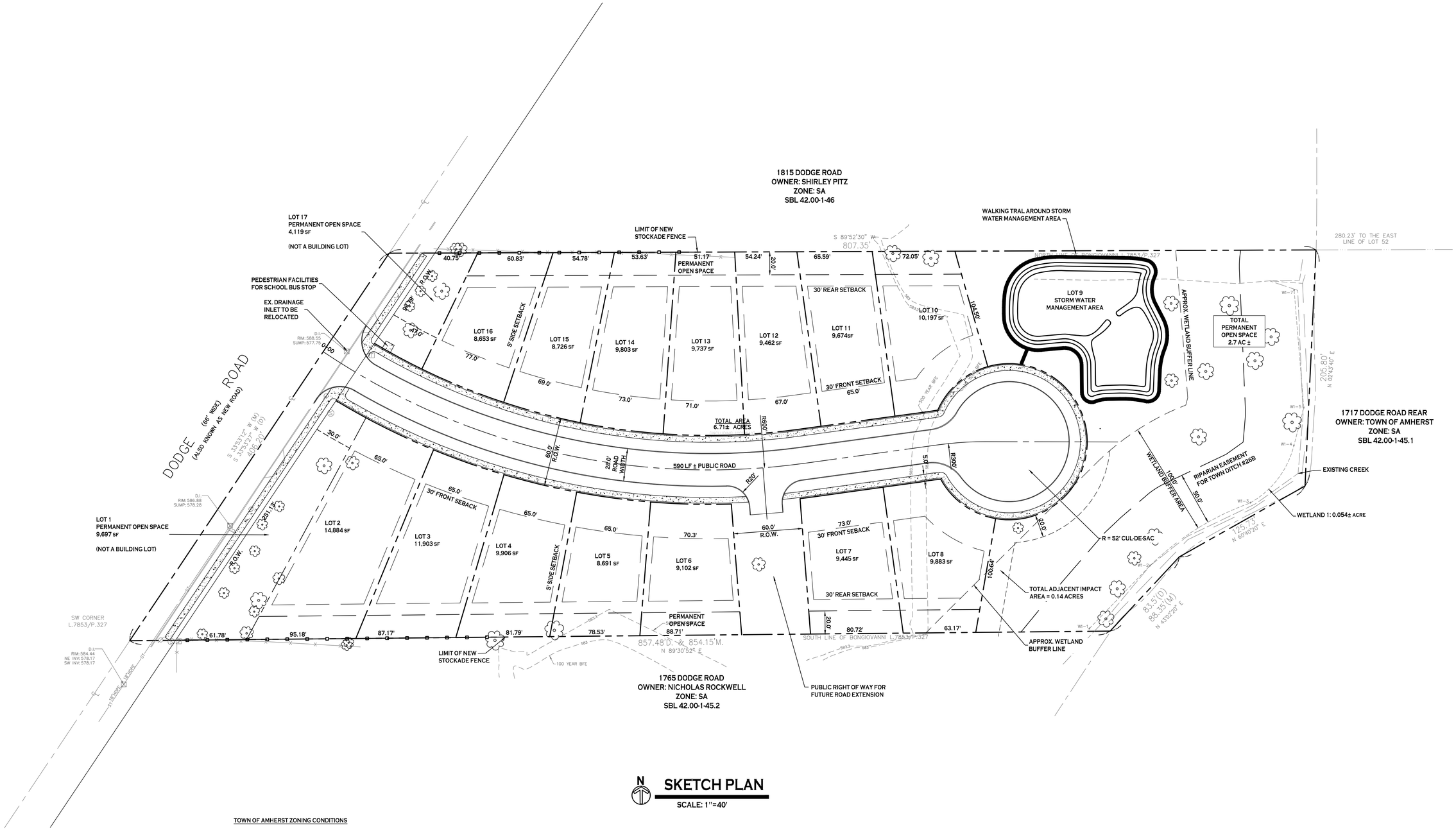

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TOWN OF AMHERST ZONING CONDITIONS

THE SIX ZONING CONDITIONS IMPOSED BY THE TOWN BOARD ON JULY 22, 2024 IN CONNECTION WITH THE REZONING FROM 'SA' TO 'R-3' WERE AS FOLLOWS

1. THAT FUTURE DEVELOPMENT OF THE SITE SHALL BE LIMITED TO SINGLE FAMILY DETACHED RESIDENTIAL USES WITH A MAXIMUM YIELD OF FIFTEEN (15) HOMES.
2. THAT ANY FUTURE DEVELOPMENT OF A PRINCIPAL OR ACCESSORY STRUCTURE OR USES IN THE 2.7 ACRES OF PERMANENT OPEN SPACE SHALL BE PROHIBITED. THE ONLY PROPOSED DEVELOPMENT OF THE PORTION OF HE PERMANENT OPEN SPACE IS LIMITED TO REQUIRED STORMWATER MANAGEMENT SYSTEM IMPROVEMENTS AND UTILITY INFRASTRUCTURE.
3. THAT A PROTECTIVE COVENANT/CONSERVATION EASEMENT SHALL BE PLACED ON ALL PROPOSED OPEN SPACE AND CONFIRM TOTAL ACREAGE TO BE UNDERTHE CONTROL OF A HOMEOWNERS ASSOCIATION.
4. THAT THE FINAL PLAT DESIGN SHALL INCLUDE A RIGHT-OF-WAY ACCESS TO A POTENTIAL FUTURE YOUNGS ROAD EXTENSION.
5. THAT THE LANDSCAPING AND SCREENING TO BE PROVIDED IN THE PERMANENT OPEN SPACE ALONG THE DODGE ROAD FRONTAGE OF THE PROJECT SITE SHALL REQUIRE THE APPROVAL OF THE PLANNING BOARD AT THE PRELIMINARY PLAT APPLICATION STAGE OF THE SUBDIVISION REVIEW PROCESS.
6. ANY FUTURE PRELIMINARY PLAT THAT SHALL BE SUBMITTED TO THE PLANNING BOARD SHALL CONSIDER PROVISIONS FOR FUTURE ACCESS TO THE NORTH AND SOUTH OF THE SUBJECT PROPERTY.

NOTE: BOUNDARY AND TOPOGRAPHIC INFORMATION PROVIDED BY OTHERS, CARMINA WOOD DESIGN ASSUMES NO RESPONSIBILITY FOR ITS ACCURACY.

40' 40 0 40 80Ft.

CARMINAWOOD DESIGN
Buffalo | Utica | Greensboro

Single Family Subdivision

1789 Dodge Road
Amherst, New York

REVISIONS: No.	Description	Date
1	Rev. Per Town Comments	9/19/2024
2	Rev. Per Town Comments	10/24/2024

PRELIMINARY
NOT FOR CONSTRUCTION

DRAWING NAME:
Sketch Plan

Date: 10.28
Drawn By: C. W
Scale: As No

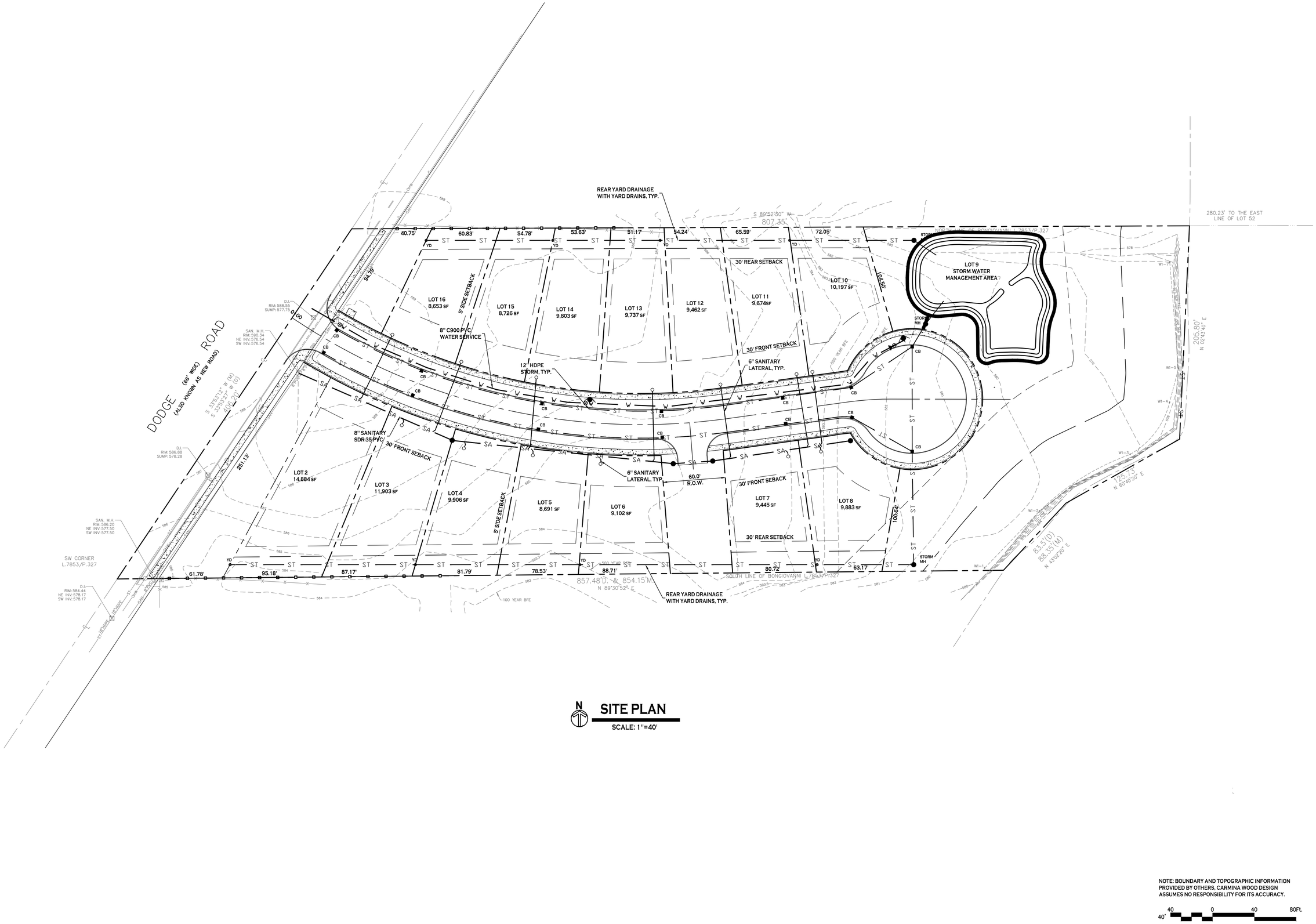
DRAWING NO.
C-100

Project No: 20.247

Attachment: SUB-2024-02_K updated drawings_112124 (29335 : SUB-2024-02SK, 1789 Dodge Road)

© CARMINA WOOD DESIGN

All Rights Reserved. Reuse of these documents without the expressed written permission of CARMINAWOOD DESIGN is prohibited. WARNING it is a violation of article 145 section 7209 subd 2 of the New York State Education Law for any person, unless acting under the direction of a licensed professional engineer or licensed architect, to alter this drawing. If altered such R.A., P.E. or L.L.S. shall affix his or her seal, signature, the date,the notation 'Altered By' and a specific description of the alteration.



SITE PLAN

SCALE: 1"=40'

NOTE: BOUNDARY AND TOPOGRAPHIC INFORMATION PROVIDED BY OTHERS. CARMINA WOOD DESIGN ASSUMES NO RESPONSIBILITY FOR ITS ACCURACY.

40' 40 0 40 80Ft.

CARMINAWOOD DESIGN
Buffalo | Utica | Greensboro

Single Family Subdivision

1789 Dodge Road
Amherst, New York

REVISIONS: No.	Description	Date
1	Rev. Per Town Comments	9/19/2024
2	Rev. Per Town Comments	10/24/2024

PRELIMINARY
NOT FOR CONSTRUCTION

DRAWING NAME:
Concept Utility Plan

Date: 10.28
Drawn By: C. W.
Scale: As No

DRAWING NO.
C-101

Project No: 20.247

Attachment: SUB-2024-02_K_updated drawings_112124 (29335 : SUB-2024-025K, 1789 Dodge Road)

TOWN OF AMHERST
PLANNING BOARD
SKETCH PLAN RESOLUTION
SUB-2024-02_SK

PETITIONER

Joseph Rubino
c/o Sean Hopkins, Esq.
5500 Main Street, Suite 343
Williamsville, NY 14221

PROPERTY LOCATION

1789 Dodge Road

NOV 26 2024 PM

WHEREAS the Town of Amherst Planning Board on Thursday, October 17, 2024 and Thursday, November 21, 2024 held a public hearing on a sketch plan for a 17-lot subdivision, "Dodge Road", and

WHEREAS the Planning Board has reviewed plans and specifications for the proposed subdivision in accordance with Part 4-6-1 of the Subdivision Regulations, and

WHEREAS the Subdivision has been referred to the Town's various review agencies, and

WHEREAS the Planning Board finds that:

1. The proposed subdivision is generally consistent with the intent, goals, objectives, and policies of the Comprehensive Plan.
2. The proposed subdivision is consistent with the intent, objectives and specific requirements of the Zoning Ordinance.
3. Adequate services and utilities to service the proposed subdivision are or will be available prior to occupancy.
4. The subdivision is consistent with all other applicable laws.
5. This site is located on or adjacent to New York State regulated freshwater wetland CC-15 or its regulated 100-foot-wide adjacent area, and a Freshwater Wetlands Permit pursuant to Article 24 of the New York State Environmental Conservation Law is required through a Joint Application by the DEC and USACE pursuant to Section 404 of the Clean Water Act.

WHEREAS the Planning Board has determined that in order to be generally consistent with lot size and density of other subdivision developments in the area, the maximum number of residential lots be reduced resulting in larger lots.

NOW THEREFORE BE IT RESOLVED that the Planning Board, in accordance with Section 8-7 of the Zoning Ordinance and Part 4-6-1 of the Subdivision Regulations approves said subdivision sketch plan subject to the follow condition(s)

1. That the rezoning of the parcel from Suburban Agriculture District (SA) to Residential District Three (R-3) be finalized (Z-2020-15).

Attachment: SUB-2024-02SK signed resolution 112124 (29335 : SUB-2024-02SK, 1789 Dodge Road)

TOWN OF AMHERST
PLANNING BOARD
SKETCH PLAN RESOLUTION
SUB-2024-02_SK

PETITIONER

Joseph Rubino

PROPERTY LOCATION

1789 Dodge Road

NOV 26 2024 PM3:

2. The proposed road shall be terminated with a cul-de-sac as a permanent road termination, since the future southerly stub street can serve as a possible future connection to a future Youngs Road extension, consistent with the Town Board's rezoning decision condition number 4.

3. That the comment raised in the Engineering Department's Engineering Services Division letter dated October 18, 2024 be addressed with the submission of the preliminary plat application.

4. That the comment raised in the Engineering Department's Sanitary Division letter dated October 23, 2024 be addressed with submission of the preliminary plat application.

5. That the comments raised in the Amherst Fire Chiefs Association letter dated September 16, 2024 be addressed with the submission of the preliminary plat application.

6. That the comments raised in the Planning Department letter dated November 6, 2024 from the ZEO and Planning staff be addressed with the submission of preliminary plat application.

7. That plans submitted for Preliminary Plat Review must indicate that the future road extension to the south is to be constructed to the property line with sidewalks in accordance with §204-3-2-4.C.(5) of Town Code, unless a waiver is granted by the Planning Board pursuant to §204-4-7A of the subdivision regulations.

8. That the applicant's request for a commitment from the Town Board on the acceptance of any public roadway and associated utilities for the proposed subdivision in accordance with the proposed/adopted §204-4-6-2 H of Town Code be acted on prior to submission of a Preliminary Plat.

9. The petitioner is required to obtain any required permits form the New York State Department of Environmental Conservation.

10. That the maximum number of building lots to be presented on Preliminary Plat and plans be reduced from 14 to 13 single-family building lots.

Attachment: SUB-2024-02SK signed resolution 112124 (29335 : SUB-2024-02SK, 1789 Dodge Road)

TOWN OF AMHERST
PLANNING BOARD
SKETCH PLAN RESOLUTION
SUB-2024-02_SK

PETITIONER

Joseph Rubino

PROPERTY LOCATION

1789 Dodge Road

NOV 26 2024 PM3

NOW THEREFORE BE IT FURTHER RESOLVED that the proposed public road be classified as a local street and that sidewalks will be required, and that the required ramps and/or curb cuts to meet ADA compliance be included and constructed with the P.I.P. for the roadway utilities.

NOW THEREFORE BE IT FURTHER RESOLVED in reviewing the proposed subdivision and §204-3-2 O of Town Code that street lighting and an associated lighting district will be required and that the required street lighting be constructed under a P.I.P. for the proposed subdivision.

NOW THEREFORE BE IT FURTHER RESOLVED that recreation fees will be required for the proposed subdivision lots in accordance with the adopted fee schedule.

The foregoing resolution was adopted by the Town of Amherst Planning Board, November 21, 2024; moved by Penberthy; seconded by Raffaele; ayes 5; noes 1 (Gill); absent 1 (Giuliani).

Michael J. Chmiel, Planning Board Chair

11/26/24
Date

GP/ac
X:\Current_Planning\Files\Subdivisions\SUB-2024\SUB-2024-02_(1789_Dodge_Rd)_2024\SUB-2024-02-SK_(1789_Dodge_Rd)_2024\SUB-2024-02_SK_resolution_112124.doc

cc: Commissioner of Building
Town Engineer
Highway Superintendent
Fire Chiefs Council
ECDEP
NYSDEC
Sean Hopkins, Sorgi & McCarthy, PLLC, 5500 Main St., Ste. 343, Williamsville, NY 14221
Carmina Wood Morris, DPC, 487 Main St., Suite 600, Buffalo, NY 14202

Approved Plan: Carmina Wood
Received: November 12, 2024

Attachment: SUB-2024-02SK signed resolution 112124 (29335 : SUB-2024-02SK, 1789 Dodge Road)

Amherst Planning Board
5583 Main Street
Williamsville, NY 14221

DEFEATED

Meeting: 11/21/24 06:30 PM
Department: Planning
Category: Miscellaneous
Prepared By: Amy Carrato
Initiator: Dan Howard
Sponsors:
DOC ID: 29336 A

PLANNING BOARD ITEM (ID # 29336)

REQUEST TO AMEND Figure 6 OF THE BICENTENNIAL COMPREHENSIVE PLAN FROM "RECREATION, OPEN SPACE & GREENWAYS" TO "MEDIUM RESIDENTIAL" FOR 62± ACRES OF LAND, BCPA-2024-02

Property located at 1790, 1860 & 1920 North French Road & 999 Campbell Boulevard (portion)
SBLC Development Corporation, Petitioner

Proposal to amend the Bicentennial Comprehensive Plan to change the land use designation on Figure 6 from "Recreation, Open Space & Greenways" and "Medium Residential" to allow for the potential future rezoning of the site to Multi-family Residential District-Five and construction of a mixed residential project consisting of 57 townhome style units with attached garages, 36 lots for detached single family homes and 32 multifamily units (89 total units) and all related site improvements including roadways, stormwater management, landscaping, lighting, utility improvements and connections.

Sean Hopkins, Esq., Hopkins Sorgi & McCarthy, represented the petitioner, explained the proposal and was available to answer questions from the Board. Elliott Lasky and Don Griebner were also present.

In response to the Board's questions, Mr. Griebner gave the Board a handout and discussed the economic viability of the parcel, stated the proposed parcel is not feasible for the RD zoning district and Mr. Hopkins stated his client has worked with the Town Supervisor on developing this parcel.

No further comments were heard on this proposal. The hearing was closed.

Following discussion, Ms. Penberthy moved to deny the request based on the resolution. The motion was seconded by Mr. Raffaele and passed. Ayes 4, Noes 2 (Chmiel, Kahn), Absent 1 (Giuliani).

ATTACHMENTS:

- BCPA-2024-02_application_112124 (PDF)
- BCPA-2024-02_drawings_112124 (PDF)
- BCPA-2024-02 signed resolution 112124 (PDF)

RESULT:	**DENIED [4 TO 2]**
MOVER:	Brittany Lee Penberthy, Board Member
SECONDER:	Harbinder Gill, Board Member
AYES:	John B. Davis, Harbinder Gill, Brittany Lee Penberthy, Joseph P. Raffaele Jr.
NAYS:	Michael Chmiel, Carrie H. Kahn
ABSENT:	Dal Giuliani

BCPA Application &
Supporting Documentation
Date: August 19, 2024

TOWN OF AMHERST PLANNING DEPARTMENT

Request for Bicentennial Comprehensive Plan Amendment

For Official Use

File #: BCPA-2024-02 **Acreage** 62.07 **Fee $** 15.00

Address Verified by Assessor's Office _____ VERIFIED BY DATE

Application Received by Planning Department JM 8/19/2024 ACCEPTED BY DATE

Materials & Fee Paid to Town Clerk _____ ACCEPTED BY DATE

		Fill In Applicable Fees
COMPREHENSIVE PLAN AMMENDMENT	**$0***	_____
AFFIDAVIT FEE FOR PUBLIC HEARING	**$15**	$15.00

Fee schedule subject to change by future Town Board action

TOTAL FEE: $15.00

TO BE COMPLETED BY APPLICANT

Petitioner:

Name: SBLC Development Corporation c/o Sean Hopkins, Esq.

Address: 5500 Main Street, Suite 343

Williamsville, NY 14221
City State Zip Code\

Phone: 716.510-4338 Fax _____

Email: shopkins@hsmlegal.com

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

Owner of Land (if different than above):

Name: 1. Anthony Cimato - 1790 North French Road [SBL No. 27.04-1-12]; 2. North Forest Development Corp. - 1920 North French Road [SBL No. 27.04-1-20]; 3. SBLC Development Corp. - Portion of 999 Campbell Boulevard [SBL No. 27.00-2-29; and 4. ~~1860 North French Road Road [SBL No. 27.04-1-16.1] - SBLC Development Corp.~~]

Address: _____

City State Zip Code

Phone: 716.510-4338 Fax _____

E Mail: shopkins@hsmlegal.com

Representative (Architect, Engineer, Landscape Architect, Surveyor or Attorney):

Name: _____

Address: _____

City State Zip Code

Phone: _____ Fax _____

E Mail: _____

Petitioner's interest in property

- ☐ Option to purchase
- ☒ Owner
- ☒ Other (explain) The parcels at 1790 and 1920 North French Road are owned by related entities. The parcels will be merged into a single parcel owned by SBLC Development Corp.

The following are all others having an interest in this application and join herein with the petitioner named above: (describe extent of interest; attach sheets as needed)

Not Applicable

Street address(es) of land subject to Bicentennial Comprehensive Plan Amendment:

1790 North French Road, 1920 North French Road and Portion of 999 Campbell Boulevard & Portion of 1860 North French Road [SBL: 27.04-1-16.1]

SBL #(s): SBL No. 27.04-1-12, 2. SBL No. 27.04-1-20; and SBL No. 27.00-2-29

INFORMATION ON REQUEST

1. **The undersigned hereby requests the Honorable Town Board to amend the following text sections of the Bicentennial Comprehensive Plan:**

   Section(s) #/page(s): No tapplicable.

Note: If the requested amendment does not involve a map change, skip #2 and #3.

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

2. The undersigned hereby requests the Honorable Town Board to amend the Conceptual Land Use Map (Figure 6) and/or Commercial and Mixed-Use Designations (Figure 6A) as follows:

FROM:

- ☐ Rural Residential
- ☐ Single Family Residential
- ☐ Mixed Residential
- ☐ Medium Residential
- ☐ Commercial/ Mixed Use*
- ☐ Special Use Center
- ☐ Commercial-Office
- ☐ Industrial-Office
- ☐ Community Facilities
- ☐ Educational Campus
- ■ Recreation, Open Space, & Greenways
- ☐ Agriculture
- ☐ Transportation

*Additional Designations in Figure 6-A:

- ☐ Suburban Center
- ☐ Suburban Corridor
- ☐ Traditional Areas

TO:

- ☐ Rural Residential
- ☐ Single Family Residential
- ☐ Mixed Residential
- ■ Medium Residential
- ☐ Commercial/ Mixed Use*
- ☐ Special Use Center
- ☐ Commercial-Office
- ☐ Industrial-Office
- ☐ Community Facilities
- ☐ Educational Campus
- ☐ Recreation, Open Space, & Greenways
- ☐ Agriculture
- ☐ Transportation

*Additional Designations in Figure 6A:

- ☐ Suburban Center
- ☐ Suburban Corridor
- ☐ Traditional Areas

3. Other Bicentennial Comprehensive Plan Map Amendments (if applicable):

Figure # or Name: **Figure 6**

4. Information on prospective action (*to be provided in separate attachment*):

A. Description of any prospective action: [See Exhibit "4"]

B. Rationale for request of amendment: [See Exhibit "*5*"]

1. How will the requested amendment to the Bicentennial Comprehensive Plan consistent with *Section 2.2 (Vison Statement)*?
2. How will the requested amendment to the Bicentennial Comprehensive Plan consistent with *Section 2.3 (Key Initiatives)*?

C. How is the requested amendment align with the defined policies in Sections; [See Exhibit "6"]

1. *3.0 Land Use and Development?*
2. *4.0 Natural and Cultural Resources?*
3. *5.0 Economic Development?*
4. *6.0 Transportation?*
5. *7.0 Infrastructure?*
6. *8.0 Housing & Neighborhoods?*
7. *9.0 Community Facilities & Services?*

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

SECTION 809 CERTIFICATION

The undersigned certifies that all information required to be disclosed pursuant to Section 809 of the General Municipal Law (see below) is as follows:

The undersigned swears or affirms that all statements made herein are true, that all drawings submitted correctly show the situation involved in this petition.

Signature of Petitioner

Subscribed and sworn to before me this 19th *day of* August, 2024

Notary Public, Erie County, New York

MARIANNE BRAUTLACHT
Notary Public, State of New York
Qualified in Erie County
My Commission Expires 01/14/2026

N.Y.S. General Municipal Law - Section 809 Disclosure in certain applications:

1. Every application, petition or request submitted for a variance, amendment, change of zoning, approval of a plat, exemption from a plat or official map, license or permit, pursuant to the provision of any ordinance, local law, rule or regulation constituting the zoning and planning regulations of a municipality shall state the name, residence and the nature and extent of the interest of any state office or any office or employee of such municipality or of a municipality of which such municipality is a part, in the person, partnership or association making such application, petition or request (hereinafter called the applicant) to the extent known to such applicant.

2. For the purpose of this section an officer or employee shall be deemed to have an interest in the applicant when he, his spouse, or their brothers, sisters, parents, children, grandchildren, or the spouse of any of them

   (a) is the applicant, or
   (b) is an officer, director, partner or employee of the applicant, or
   (c) legally or beneficially owns or controls stock of a corporate applicant or is a member of a partnership or association applicant, or
   (d) is a party to an agreement with such an applicant, express or implied, whereby he may receive any payment or other benefit, whether or not for services rendered, dependent or contingent upon the favorable approval of such applicant, petition or request.

3. In the county of Nassau the provisions of subdivisions one and two of this section shall also apply to a party officer. "Party Officer" shall mean any person holding any position or office, whether by election, appointment or otherwise, in any party as defined by subdivision four or section two of the election law.

4. Ownership of less than five per cent of the stock of a corporation whose stock is listed on the New York or American Stock Exchanges shall not constitute an interest for the purposes of this section.

5. A person who knowingly and intentionally violates this section shall be guilty of a misdemeanor.

Town of Amherst Planning Department 5583 Main Street Williamsville New York 14221
(716) 631-7051; Fax: (716) 631-7153; Web: www.amherst.ny.us

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

Exhibit 1- List of Parcels and Ownership Information

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

EXHIBIT 1 OF BCPA APPLICATION

1. 1790 North French Road [SBL No. 27.04-1-12] – Owner: Anthony Cimato
2. 1860 North French Road [SBL No. 27.04-1-16.1] – Owner: SBLC Development Corp.
3. 1920 North French Road [SBL No. 27.04-1-20] – Owner: North Forest Development Corp.
4. Portion of 999 Campbell Boulevard [SBL No. 27.00-2-29] – Owner: SBLC Development Corp.

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

Exhibit 2 - Part 1 of Full Environmental Assessment Form with Attachments "A" to "C"

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

Instructions for Completing Part 1

Part 1 is to be completed by the applicant or project sponsor. Responses become part of the application for approval or funding, are subject to public review, and may be subject to further verification.

Complete Part 1 based on information currently available. If additional research or investigation would be needed to fully respond to any item, please answer as thoroughly as possible based on current information; indicate whether missing information does not exist, or is not reasonably available to the sponsor; and, when possible, generally describe work or studies which would be necessary to update or fully develop that information.

Applicants/sponsors must complete all items in Sections A & B. In Sections C, D & E, most items contain an initial question that must be answered either "Yes" or "No". If the answer to the initial question is "Yes", complete the sub-questions that follow. If the answer to the initial question is "No", proceed to the next question. Section F allows the project sponsor to identify and attach any additional information. Section G requires the name and signature of the applicant or project sponsor to verify that the information contained in Part 1is accurate and complete.

A. Project and Applicant/Sponsor Information.

Name of Action or Project: SBLC Mixed-Use Project		
Project Location (describe, and attach a general location map): 1790, 1860 and 1920 North French Road and portion of 999 Campbell Boulevard - Town of Amherst - Erie County		
Brief Description of Proposed Action (include purpose or need): The proposed redevelopment project ("action") consists of a mixed-use project to be located at 1790, 1860 and 1920 North French Road and the eastern portion 999 Campbell Boulevard (collectively the "Project Site") consisting of the following: 1. 57 town home units with attached garages; 2. 36 lots for detached single-family homes and 3. 32 multifamily units; and 4. All related site improvements including roadways, storm water management, landscaping, lighting, utility improvements and connections. The proposed action has been defined broadly to include all required discretionary approvals and permits needed from governmental agencies. The proposed project is a Type I action pursuant to SEQRA. The project has been designed based on existing site constraints and will not result in any potentially significant adverse environmental impacts.		
Name of Applicant/Sponsor: SBLC Development Corp. c/o Sean Hopkins, Esq.	Telephone: 716.510-4338 E-Mail: shopkins@hsmlegal.com	
Address: 5500 Main Street, Suite 343		
City/PO: Williamsville	State: NY	Zip Code: 14221
Project Contact (if not same as sponsor; give name and title/role):	Telephone: E-Mail:	
Address:		
City/PO:	State:	Zip Code:
Property Owner (if not same as sponsor): See Attachment "A"	Telephone: E-Mail:	
Address:		
City/PO:	State:	Zip Code:

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

B. Government Approvals

B. Government Approvals, Funding, or Sponsorship. ("Funding" includes grants, loans, tax relief, and any other forms of financial assistance.)

Government Entity	If Yes: Identify Agency and Approval(s) Required	Application Date (Actual or projected)
a. City Counsel, Town Board, or Village Board of Trustees ☑Yes ☐No	Town Board - Comp. Plan Amendment and Rezoning	August 19, 2024
b. City, Town or Village Planning Board or Commission ☑Yes ☐No	Town of Amherst Planning Board - Site Plan and Subdivision Approval	To be Determined
c. City, Town or Village Zoning Board of Appeals ☑Yes ☐No	Town of Amherst ZBA - Area Variances	To be Determined
d. Other local agencies ☑Yes ☐No	Town of Amherst Engineering (DSCA); Amherst IDA (PILOT) and Building Dept (Floodplain Permit)	To be Determined
e. County agencies ☑Yes ☐No	ECWA (back flow), ECDOH (DSCA)	To be Determined
f. Regional agencies ☐Yes ☑No		
g. State agencies ☑Yes ☐No	NYSDEC - Wetland Permit and DSCA, NYSDOT (curb cut)	To be Determined
h. Federal agencies ☑Yes ☐No	USACE - Wetland Permit	To be Determined

i. Coastal Resources.

i. Is the project site within a Coastal Area, or the waterfront area of a Designated Inland Waterway? ☐Yes ☑No

ii. Is the project site located in a community with an approved Local Waterfront Revitalization Program? ☐Yes ☑No

iii. Is the project site within a Coastal Erosion Hazard Area? ☐Yes ☑No

C. Planning and Zoning [Note: The Town has an approved Local Waterfront Revitalization Program. EAF Mapper checked the response to Question Bi(ii) as No.]

C.1. Planning and zoning actions.

Will administrative or legislative adoption, or amendment of a plan, local law, ordinance, rule or regulation be the only approval(s) which must be granted to enable the proposed action to proceed? ☐Yes ☑No

- **If Yes,** complete sections C, F and G.
- **If No,** proceed to question C.2 and complete all remaining sections and questions in Part 1

C.2. Adopted land use plans.

a. Do any municipally- adopted (city, town, village or county) comprehensive land use plan(s) include the site where the proposed action would be located? ☑Yes ☐No

If Yes, does the comprehensive plan include specific recommendations for the site where the proposed action would be located? ☑Yes ☐No

b. Is the site of the proposed action within any local or regional special planning district (for example: Greenway; Brownfield Opportunity Area (BOA); designated State or Federal heritage area; watershed management plan; or other?) ☑Yes ☐No

If Yes, identify the plan(s):

NYS Heritage Areas:West Erie Canal Corridor

c. Is the proposed action located wholly or partially within an area listed in an adopted municipal open space plan, or an adopted municipal farmland protection plan? ☐Yes ☑No

If Yes, identify the plan(s):

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

C.3. Zoning

a. Is the site of the proposed action located in a municipality with an adopted zoning law or ordinance. ☑ Yes ☐ No
If Yes, what is the zoning classification(s) including any applicable overlay district?
Suburban Agriculture District ("SA")

b. Is the use permitted or allowed by a special or conditional use permit? ☐ Yes ☐ No

c. Is a zoning change requested as part of the proposed action? ☑ Yes ☐ No
If Yes,
i. What is the proposed new zoning for the site? R-3 and MFR-5

C.4. Existing community services.

a. In what school district is the project site located? Williamsville Central School District

b. What police or other public protection forces serve the project site?
Town of Amherst Police Department

c. Which fire protection and emergency medical services serve the project site?
Volunteer Fire Department

d. What parks serve the project site?
Various Town Parks

D. Project Details

D.1. Proposed and Potential Development

a. What is the general nature of the proposed action (e.g., residential, industrial, commercial, recreational; if mixed, include all components)? Residential

b. a. Total acreage of the site of the proposed action? 62.03 acres
b. Total acreage to be physically disturbed? 28.32 acres
c. Total acreage (project site and any contiguous properties) owned or controlled by the applicant or project sponsor? 62.03 acres

c. Is the proposed action an expansion of an existing project or use? ☐ Yes ☐ No
i. If Yes, what is the approximate percentage of the proposed expansion and identify the units (e.g., acres, miles, housing units, square feet)? % _____ Units: _____

d. Is the proposed action a subdivision, or does it include a subdivision? ☑ Yes ☐ No
If Yes,
i. Purpose or type of subdivision? (e.g., residential, industrial, commercial; if mixed, specify types)
Residential
ii. Is a cluster/conservation layout proposed? ☐ Yes ☑ No
iii. Number of lots proposed? 36
iv. Minimum and maximum proposed lot sizes? Minimum 8,470 sf Maximum 18,290 sf

e. Will the proposed action be constructed in multiple phases? ☑ Yes ☐ No
i. If No, anticipated period of construction: _____ months
ii. If Yes:
- Total number of phases anticipated 4
- Anticipated commencement date of phase 1 (including demolition) 3 month 25 year
- Anticipated completion date of final phase 12 month 28 year
- Generally describe connections or relationships among phases, including any contingencies where progress of one phase may determine timing or duration of future phases: _____

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

f. Does the project include new residential uses? ☑ Yes ☐ No

If Yes, show numbers of units proposed.

	One Family	Two Family	Three Family	Multiple Family (four or more)
Initial Phase	36			89
At completion of all phases	36			89

g. Does the proposed action include new non-residential construction (including expansions)? ☐ Yes ☑ No

If Yes,

i. Total number of structures _____

ii. Dimensions (in feet) of largest proposed structure: _____height; _____width; and _____ length

iii. Approximate extent of building space to be heated or cooled: _____ square feet

h. Does the proposed action include construction or other activities that will result in the impoundment of any liquids, such as creation of a water supply, reservoir, pond, lake, waste lagoon or other storage? ☑ Yes ☐ No

If Yes,

i. Purpose of the impoundment: Stormwater retention

ii. If a water impoundment, the principal source of the water: ☐ Ground water ☐ Surface water streams ☑ Other specify: Stormwater runoff

iii. If other than water, identify the type of impounded/contained liquids and their source. Not applicable

iv. Approximate size of the proposed impoundment. Volume: TBD million gallons; surface area: 5.4 acres

v. Dimensions of the proposed dam or impounding structure: TBD height; TBD length

vi. Construction method/materials for the proposed dam or impounding structure (e.g., earth fill, rock, wood, concrete): Earth fill

D.2. Project Operations

a. Does the proposed action include any excavation, mining, or dredging, during construction, operations, or both? (Not including general site preparation, grading or installation of utilities or foundations where all excavated materials will remain onsite) ☐ Yes ☐ No

If Yes:

i .What is the purpose of the excavation or dredging? _____

ii. How much material (including rock, earth, sediments, etc.) is proposed to be removed from the site?

- Volume (specify tons or cubic yards): _____
- Over what duration of time? _____

iii. Describe nature and characteristics of materials to be excavated or dredged, and plans to use, manage or dispose of them.

_____

_____

iv. Will there be onsite dewatering or processing of excavated materials? ☐ Yes ☐ No

If yes, describe. _____

_____

v. What is the total area to be dredged or excavated? _____acres

vi. What is the maximum area to be worked at any one time? _____ acres

vii. What would be the maximum depth of excavation or dredging? _____ feet

viii. Will the excavation require blasting? ☐ Yes ☐ No

ix. Summarize site reclamation goals and plan: _____

_____

_____

b. Would the proposed action cause or result in alteration of, increase or decrease in size of, or encroachment into any existing wetland, waterbody, shoreline, beach or adjacent area? ☑ Yes ☐ No

If Yes:

i. Identify the wetland or waterbody which would be affected (by name, water index number, wetland map number or geographic description): Impacts to NYSDEC Freshwater Wetland TE-18 of 0.27 acres and impacts to 100 ft. Adjacent Area of 2.89 acres and 0.9 acres of impacts to federal wetlands as depicted on the Concept Site Plan [Drawing C-100].

[A copy of the Wetland Delineation Verification Letter issued by Charles P. Rosenburg of the NYS Dept. of Environmental Conservation on January 22, 2022 is provided at Attachment "B". A copy of the Jurisdictional Determination issued by the U.S. Army Corps of Engineers for 1920 North French Road dated March 14, 2023 is provided at Attachment "C".]

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

ii. Describe how the proposed action would affect that waterbody or wetland, e.g. excavation, fill, placement of structures, or alteration of channels, banks and shorelines. Indicate extent of activities, alterations and additions in square feet or acres:
Encroachment into wetlands and regulated 100 ft. adjacent area as depicted on the attached Concept Site Plan [Drawing C-100] for roadways, stormwater management facilities and residential uses.

iii. Will the proposed action cause or result in disturbance to bottom sediments? ☐ Yes ☐ No
If Yes, describe: _____

iv. Will the proposed action cause or result in the destruction or removal of aquatic vegetation? ☐ Yes ☐ No
If Yes:

- acres of aquatic vegetation proposed to be removed: _____
- expected acreage of aquatic vegetation remaining after project completion: _____
- purpose of proposed removal (e.g. beach clearing, invasive species control, boat access): _____
- proposed method of plant removal: _____
- if chemical/herbicide treatment will be used, specify product(s): _____

v. Describe any proposed reclamation/mitigation following disturbance: _____

c. Will the proposed action use, or create a new demand for water? ☑ Yes ☐ No
If Yes:

i. Total anticipated water usage/demand per day: 34,420 gallons/day

ii. Will the proposed action obtain water from an existing public water supply? ☐ Yes ☐ No
If Yes:

- Name of district or service area: Erie County Water Authority
- Does the existing public water supply have capacity to serve the proposal? ☑ Yes ☐ No
- Is the project site in the existing district? ☑ Yes ☐ No
- Is expansion of the district needed? ☐ Yes ☐ No
- Do existing lines serve the project site? ☑ Yes ☐ No

iii. Will line extension within an existing district be necessary to supply the project? ☐ Yes ☐ No
If Yes:

- Describe extensions or capacity expansions proposed to serve this project: _____
- Source(s) of supply for the district: _____

iv. Is a new water supply district or service area proposed to be formed to serve the project site? ☐ Yes ☐ No
If, Yes:

- Applicant/sponsor for new district: _____
- Date application submitted or anticipated: _____
- Proposed source(s) of supply for new district: _____

v. If a public water supply will not be used, describe plans to provide water supply for the project: _____

vi. If water supply will be from wells (public or private), what is the maximum pumping capacity: _____ gallons/minute.

d. Will the proposed action generate liquid wastes? ☑ Yes ☐ No
If Yes:

i. Total anticipated liquid waste generation per day: 34,420 gallons/day

ii. Nature of liquid wastes to be generated (e.g., sanitary wastewater, industrial; if combination, describe all components and approximate volumes or proportions of each): _____
sanitary wastewater

iii. Will the proposed action use any existing public wastewater treatment facilities? ☑ Yes ☐ No
If Yes:

- Name of wastewater treatment plant to be used: Town of Amherst WWTP
- Name of district: Town of Amherst Consolidated Sanitary Sewer District
- Does the existing wastewater treatment plant have capacity to serve the project? ☑ Yes ☐ No
- Is the project site in the existing district? ☑ Yes ☐ No
- Is expansion of the district needed? ☐ Yes ☐ No

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

- Do existing sewer lines serve the project site? ☑ Yes ☐ No
- Will a line extension within an existing district be necessary to serve the project? ☐ Yes ☑ No

If Yes:

- Describe extensions or capacity expansions proposed to serve this project: _____

iv. Will a new wastewater (sewage) treatment district be formed to serve the project site? ☐ Yes ☐ No

If Yes:

- Applicant/sponsor for new district: _____
- Date application submitted or anticipated: _____
- What is the receiving water for the wastewater discharge? _____

v. If public facilities will not be used, describe plans to provide wastewater treatment for the project, including specifying proposed receiving water (name and classification if surface discharge or describe subsurface disposal plans):

_____

vi. Describe any plans or designs to capture, recycle or reuse liquid waste: _____

e. Will the proposed action disturb more than one acre and create stormwater runoff, either from new point sources (i.e. ditches, pipes, swales, curbs, gutters or other concentrated flows of stormwater) or non-point source (i.e. sheet flow) during construction or post construction? ☑ Yes ☐ No

If Yes:

i. How much impervious surface will the project create in relation to total size of project parcel?

_____ Square feet or 12.1 acres (impervious surface)

_____ Square feet or 62.03 acres (parcel size)

ii. Describe types of new point sources. New point sources include storm sewers, swales and curbing.

iii. Where will the stormwater runoff be directed (i.e. on-site stormwater management facility/structures, adjacent properties, groundwater, on-site surface water or off-site surface waters)?

Stormwater runoff will be directed to on-site retention ponds.

- If to surface waters, identify receiving water bodies or wetlands: _____
- Will stormwater runoff flow to adjacent properties? ☐ Yes ☑ No

iv. Does the proposed plan minimize impervious surfaces, use pervious materials or collect and re-use stormwater? ☐ Yes ☑ No

f. Does the proposed action include, or will it use on-site, one or more sources of air emissions, including fuel combustion, waste incineration, or other processes or operations? ☐ Yes ☐ No

If Yes, identify:

i. Mobile sources during project operations (e.g., heavy equipment, fleet or delivery vehicles)

ii. Stationary sources during construction (e.g., power generation, structural heating, batch plant, crushers)

iii. Stationary sources during operations (e.g., process emissions, large boilers, electric generation)

g. Will any air emission sources named in D.2.f (above), require a NY State Air Registration, Air Facility Permit, or Federal Clean Air Act Title IV or Title V Permit? ☐ Yes ☐ No

If Yes:

i. Is the project site located in an Air quality non-attainment area? (Area routinely or periodically fails to meet ambient air quality standards for all or some parts of the year) ☐ Yes ☐ No

ii. In addition to emissions as calculated in the application, the project will generate:

- _____Tons/year (short tons) of Carbon Dioxide (CO_2)
- _____Tons/year (short tons) of Nitrous Oxide (N_2O)
- _____Tons/year (short tons) of Perfluorocarbons (PFCs)
- _____Tons/year (short tons) of Sulfur Hexafluoride (SF_6)
- _____Tons/year (short tons) of Carbon Dioxide equivalent of Hydroflourocarbons (HFCs)
- _____Tons/year (short tons) of Hazardous Air Pollutants (HAPs)

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

h. Will the proposed action generate or emit methane (including, but not limited to, sewage treatment plants, landfills, composting facilities)? ☐Yes ☐No

If Yes:

i. Estimate methane generation in tons/year (metric): _____

ii. Describe any methane capture, control or elimination measures included in project design (e.g., combustion to generate heat or electricity, flaring): _____

_____

i. Will the proposed action result in the release of air pollutants from open-air operations or processes, such as quarry or landfill operations? ☐Yes ☐No

If Yes: Describe operations and nature of emissions (e.g., diesel exhaust, rock particulates/dust):

_____

_____

j. Will the proposed action result in a substantial increase in traffic above present levels or generate substantial new demand for transportation facilities or services? [An updated Traffic Impact Report is being prepared by Passero Associates. ☐Yes ☑No

If Yes:

i. When is the peak traffic expected (Check all that apply): ☐ Morning ☐ Evening ☐Weekend ☐ Randomly between hours of _____ to _____.

ii. For commercial activities only, projected number of truck trips/day and type (e.g., semi trailers and dump trucks): _____

_____

iii. Parking spaces: Existing _____ Proposed _____ Net increase/decrease _____

iv. Does the proposed action include any shared use parking? ☐Yes ☐No

v. If the proposed action includes any modification of existing roads, creation of new roads or change in existing access, describe:

_____

vi. Are public/private transportation service(s) or facilities available within ½ mile of the proposed site? ☐Yes ☐No

vii Will the proposed action include access to public transportation or accommodations for use of hybrid, electric or other alternative fueled vehicles? ☐Yes ☐No

viii. Will the proposed action include plans for pedestrian or bicycle accommodations for connections to existing pedestrian or bicycle routes? ☐Yes ☐No

k. Will the proposed action (for commercial or industrial projects only) generate new or additional demand for energy? ☑Yes ☐No

If Yes:

i. Estimate annual electricity demand during operation of the proposed action: _____

Typical of commercial retail demand

ii. Anticipated sources/suppliers of electricity for the project (e.g., on-site combustion, on-site renewable, via grid/local utility, or other):

Local utility company

iii. Will the proposed action require a new, or an upgrade, to an existing substation? ☐Yes ☑No

l. Hours of operation. Answer all items which apply.

i. During Construction:

- Monday - Friday: 7 a.m. - 5 p.m.
- Saturday: 7 a.m. - 5 p.m. [as needed]
- Sunday: N/A
- Holidays: N/A

ii. During Operations:

- Monday - Friday: N/A
- Saturday: N/A
- Sunday: N/A
- Holidays: N/A

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

m. Will the proposed action produce noise that will exceed existing ambient noise levels during construction, operation, or both? ☑ Yes ☐ No

If yes:

i. Provide details including sources, time of day and duration:

Operation of constitution equipment may produce noise exceeding ambient levels. This is a temporary and unavoidable impact.

ii. Will the proposed action remove existing natural barriers that could act as a noise barrier or screen? ☐ Yes ☑ No

Describe: _____

n. Will the proposed action have outdoor lighting? ☐ Yes ☐ No

If yes:

i. Describe source(s), location(s), height of fixture(s), direction/aim, and proximity to nearest occupied structures:

Dark sky compliant light poles, mounted at 15-ft will be spaced throughout the sight to provide even light distribution.

ii. Will proposed action remove existing natural barriers that could act as a light barrier or screen? ☐ Yes ☑ No

Describe: _____

o. Does the proposed action have the potential to produce odors for more than one hour per day? ☐ Yes ☐ No

If Yes, describe possible sources, potential frequency and duration of odor emissions, and proximity to nearest occupied structures: _____

p. Will the proposed action include any bulk storage of petroleum (combined capacity of over 1,100 gallons) or chemical products 185 gallons in above ground storage or any amount in underground storage? ☐ Yes ☐ No

If Yes:

i. Product(s) to be stored _____

ii. Volume(s) _____ per unit time _____ (e.g., month, year)

iii. Generally, describe the proposed storage facilities: _____

q. Will the proposed action (commercial, industrial and recreational projects only) use pesticides (i.e., herbicides, insecticides) during construction or operation? ☐ Yes ☐ No

If Yes:

i. Describe proposed treatment(s):

ii. Will the proposed action use Integrated Pest Management Practices? ☐ Yes ☐ No

r. Will the proposed action (commercial or industrial projects only) involve or require the management or disposal of solid waste (excluding hazardous materials)? ☐ Yes ☐ No

If Yes:

i. Describe any solid waste(s) to be generated during construction or operation of the facility:

- Construction: _____ tons per _____ (unit of time)
- Operation : _____ tons per _____ (unit of time)

ii. Describe any proposals for on-site minimization, recycling or reuse of materials to avoid disposal as solid waste:

- Construction: _____
- Operation: _____

iii. Proposed disposal methods/facilities for solid waste generated on-site:

- Construction: _____
- Operation: _____

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

s. Does the proposed action include construction or modification of a solid waste management facility? ☐ Yes ☑ No

If Yes:

i. Type of management or handling of waste proposed for the site (e.g., recycling or transfer station, composting, landfill, or other disposal activities): _____

ii. Anticipated rate of disposal/processing:

- _____ Tons/month, if transfer or other non-combustion/thermal treatment, or
- _____ Tons/hour, if combustion or thermal treatment

iii. If landfill, anticipated site life: _____ years

t. Will the proposed action at the site involve the commercial generation, treatment, storage, or disposal of hazardous waste? ☐ Yes ☐ No

If Yes:

i. Name(s) of all hazardous wastes or constituents to be generated, handled or managed at facility: _____

ii. Generally describe processes or activities involving hazardous wastes or constituents: _____

iii. Specify amount to be handled or generated _____ tons/month

iv. Describe any proposals for on-site minimization, recycling or reuse of hazardous constituents: _____

v. Will any hazardous wastes be disposed at an existing offsite hazardous waste facility? ☐ Yes ☐ No

If Yes: provide name and location of facility: _____

If No: describe proposed management of any hazardous wastes which will not be sent to a hazardous waste facility:

E. Site and Setting of Proposed Action

E.1. Land uses on and surrounding the project site

a. Existing land uses.

i. Check all uses that occur on, adjoining and near the project site.

☐ Urban ☐ Industrial ☑ Commercial ☑ Residential (suburban) ☐ Rural (non-farm)
☑ Forest ☐ Agriculture ☐ Aquatic ☐ Other (specify): _____

ii. If mix of uses, generally describe:

There are an assortment of uses including commercial uses and residential uses..

b. Land uses and covertypes on the project site.

Land use or Covertype	Current Acreage	Acreage After Project Completion	Change (Acres +/-)
• Roads, buildings, and other paved or impervious surfaces	0.0	12.1	+12.1
• Forested	8.9	5.8	-3.1
• Meadows, grasslands or brushlands (non-agricultural, including abandoned agricultural)	45.6	25.8	-19.8
• Agricultural (includes active orchards, field, greenhouse etc.)			
• Surface water features (lakes, ponds, streams, rivers, etc.)	0.0	5.4	+5.4
• Wetlands (freshwater or tidal)	7.5	7.5	0.0
• Non-vegetated (bare rock, earth or fill)			
• Other Describe: Greenspace and Landscaping		6.4	6.4

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

c. Is the project site presently used by members of the community for public recreation? ☐ Yes ☐ No
i. If Yes: explain: _____

d. Are there any facilities serving children, the elderly, people with disabilities (e.g., schools, hospitals, licensed day care centers, or group homes) within 1500 feet of the project site? ☐ Yes ☐ No
If Yes,
i. Identify Facilities:
_____
_____

e. Does the project site contain an existing dam? ☐ Yes ☐ No
If Yes:
i. Dimensions of the dam and impoundment:
- Dam height: _____ feet
- Dam length: _____ feet
- Surface area: _____ acres
- Volume impounded: _____ gallons OR acre-feet

ii. Dam's existing hazard classification: _____
iii. Provide date and summarize results of last inspection:
_____
_____

f. Has the project site ever been used as a municipal, commercial or industrial solid waste management facility, or does the project site adjoin property which is now, or was at one time, used as a solid waste management facility? ☐ Yes ☐ No
If Yes:
i. Has the facility been formally closed? ☐ Yes ☐ No
- If yes, cite sources/documentation: _____

ii. Describe the location of the project site relative to the boundaries of the solid waste management facility:
_____
_____
iii. Describe any development constraints due to the prior solid waste activities: _____
_____

g. Have hazardous wastes been generated, treated and/or disposed of at the site, or does the project site adjoin property which is now or was at one time used to commercially treat, store and/or dispose of hazardous waste? ☐ Yes ☐ No
If Yes:
i. Describe waste(s) handled and waste management activities, including approximate time when activities occurred:
_____
_____

h. Potential contamination history. Has there been a reported spill at the proposed project site, or have any remedial actions been conducted at or adjacent to the proposed site? ☐ Yes ☐ No
If Yes:
i. Is any portion of the site listed on the NYSDEC Spills Incidents database or Environmental Site Remediation database? Check all that apply: ☐ Yes ☐ No
☐ Yes – Spills Incidents database — Provide DEC ID number(s): _____
☐ Yes – Environmental Site Remediation database — Provide DEC ID number(s): _____
☐ Neither database

ii. If site has been subject of RCRA corrective activities, describe control measures:_____
_____
_____
iii. Is the project within 2000 feet of any site in the NYSDEC Environmental Site Remediation database? ☐ Yes ☑ No
If yes, provide DEC ID number(s): _____
iv. If yes to (i), (ii) or (iii) above, describe current status of site(s):
_____
_____

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

v. Is the project site subject to an institutional control limiting property uses? ☐ Yes ☐

- If yes, DEC site ID number: _____
- Describe the type of institutional control (e.g., deed restriction or easement): _____
- Describe any use limitations: _____
- Describe any engineering controls: _____
- Will the project affect the institutional or engineering controls in place? ☐ Yes ☐ No
- Explain: _____

E.2. Natural Resources On or Near Project Site

a. What is the average depth to bedrock on the project site? >6 feet

b. Are there bedrock outcroppings on the project site? ☐ Yes ☑ No
If Yes, what proportion of the site is comprised of bedrock outcroppings? _____%

c. Predominant soil type(s) present on project site:

Getzville Silt loam	20 %
Swormville clay loam	52 %
Wayland soils complex	28 %

d. What is the average depth to the water table on the project site? Average: >6 feet

e. Drainage status of project site soils:

☐ Well Drained:	_____% of site
☐ Moderately Well Drained:	_____% of site
☑ Poorly Drained	100 % of site

f. Approximate proportion of proposed action site with slopes:

☑ 0-10%:	100 % of site
☐ 10-15%:	_____% of site
☐ 15% or greater:	_____% of site

g. Are there any unique geologic features on the project site? ☐ Yes ☑ No
If Yes, describe: _____

h. Surface water features.

i. Does any portion of the project site contain wetlands or other waterbodies (including streams, rivers, ponds or lakes)? ☑ Yes ☐ No

ii. Do any wetlands or other waterbodies adjoin the project site? ☑ Yes ☐ No

If Yes to either *i* or *ii*, continue. If No, skip to E.2.i.

iii. Are any of the wetlands or waterbodies within or adjoining the project site regulated by any federal, state or local agency? ☑ Yes ☐ No

iv. For each identified regulated wetland and waterbody on the project site, provide the following information:

- Streams: Name 837-44 Classification C
- Lakes or Ponds: Name _____ Classification _____
- Wetlands: Name Federal Waters, NYS Wetland, Federal Waters, Fe... Approximate Size NYS Wetland (in a...
- Wetland No. (if regulated by DEC) TE-18, TE-19

v. Are any of the above water bodies listed in the most recent compilation of NYS water quality-impaired waterbodies? ☐ Yes ☑ No

If yes, name of impaired water body/bodies and basis for listing as impaired: _____

i. Is the project site in a designated Floodway? ☐ Yes ☑ No

j. Is the project site in the 100-year Floodplain? ☑ Yes ☐ No

k. Is the project site in the 500-year Floodplain? ☑ Yes ☐ No

l. Is the project site located over, or immediately adjoining, a primary, principal or sole source aquifer? ☐ Yes ☑ No
If Yes:

i. Name of aquifer: _____

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

m. Identify the predominant wildlife species that occupy or use the project site: _____
Typical suburban species _____ _____ _____
_____ _____ _____

n. Does the project site contain a designated significant natural community? ☐ Yes ☑ No
If Yes:
i. Describe the habitat/community (composition, function, and basis for designation): _____
_____
ii. Source(s) of description or evaluation: _____
iii. Extent of community/habitat:
- Currently: _____ acres
- Following completion of project as proposed: _____ acres
- Gain or loss (indicate + or -): _____ acres

o. Does project site contain any species of plant or animal that is listed by the federal government or NYS as endangered or threatened, or does it contain any areas identified as habitat for an endangered or threatened species? ☐ Yes ☑ No

If Yes:
i. Species and listing (endangered or threatened): _____
_____
_____

p. Does the project site contain any species of plant or animal that is listed by NYS as rare, or as a species of special concern? ☐ Yes ☑ No

If Yes:
i. Species and listing: _____
_____

q. Is the project site or adjoining area currently used for hunting, trapping, fishing or shell fishing? ☐ Yes ☐ No
If yes, give a brief description of how the proposed action may affect that use: _____
_____

E.3. Designated Public Resources On or Near Project Site

a. Is the project site, or any portion of it, located in a designated agricultural district certified pursuant to Agriculture and Markets Law, Article 25-AA, Section 303 and 304? ☐ Yes ☑ No
If Yes, provide county plus district name/number: _____

b. Are agricultural lands consisting of highly productive soils present? ☐ Yes ☐ No
i. If Yes: acreage(s) on project site? _____
ii. Source(s) of soil rating(s): _____

c. Does the project site contain all or part of, or is it substantially contiguous to, a registered National Natural Landmark? ☐ Yes ☑ No
If Yes:
i. Nature of the natural landmark: ☐ Biological Community ☐ Geological Feature
ii. Provide brief description of landmark, including values behind designation and approximate size/extent: _____
_____
_____

d. Is the project site located in or does it adjoin a state listed Critical Environmental Area? ☐ Yes ☑ No
If Yes:
i. CEA name: _____
ii. Basis for designation: _____
iii. Designating agency and date: _____

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

e. Does the project site contain, or is it substantially contiguous to, a building, archaeological site, or district which is listed on the National or State Register of Historic Places, or that has been determined by the Commissioner of the NYS Office of Parks, Recreation and Historic Preservation to be eligible for listing on the State Register of Historic Places? ☐ Yes ☐ No

If Yes:

i. Nature of historic/archaeological resource: ☐ Archaeological Site ☐ Historic Building or District

ii. Name: _____

iii. Brief description of attributes on which listing is based:

_____

f. Is the project site, or any portion of it, located in or adjacent to an area designated as sensitive for archaeological sites on the NY State Historic Preservation Office (SHPO) archaeological site inventory? ☐ Yes ☑ No

g. Have additional archaeological or historic site(s) or resources been identified on the project site? ☐ Yes ☐ No

If Yes:

i. Describe possible resource(s): _____

ii. Basis for identification: _____

h. Is the project site within fives miles of any officially designated and publicly accessible federal, state, or local scenic or aesthetic resource? ☐ Yes ☐ No

If Yes:

i. Identify resource: _____

ii. Nature of, or basis for, designation (e.g., established highway overlook, state or local park, state historic trail or scenic byway, etc.): _____

iii. Distance between project and resource: _____ miles.

i. Is the project site located within a designated river corridor under the Wild, Scenic and Recreational Rivers Program 6 NYCRR 666? ☐ Yes ☑ No

If Yes:

i. Identify the name of the river and its designation: _____

ii. Is the activity consistent with development restrictions contained in 6NYCRR Part 666? ☐ Yes ☐ No

F. Additional Information

Attach any additional information which may be needed to clarify your project.

If you have identified any adverse impacts which could be associated with your proposal, please describe those impacts plus any measures which you propose to avoid or minimize them.

G. Verification

I certify that the information provided is true to the best of my knowledge.

Applicant/Sponsor Name SBLC Development Corp. Date August 19, 2024

Signature Sean Hopkins Title Counsel for Project Sponsor

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

PRINT FORM

EAF Mapper Summary Report

Tuesday, March 12, 2024 3:51 PM



Disclaimer: The EAF Mapper is a screening tool intended to assist project sponsors and reviewing agencies in preparing an environmental assessment form (EAF). Not all questions asked in the EAF are answered by the EAF Mapper. Additional information on any EAF question can be obtained by consulting the EAF Workbooks. Although the EAF Mapper provides the most up-to-date digital data available to DEC, you may also need to contact local or other data sources in order to obtain data not provided by the Mapper. Digital data is not a substitute for agency determinations.



B.i.i [Coastal or Waterfront Area]	No
B.i.ii [Local Waterfront Revitalization Area]	No
C.2.b. [Special Planning District]	Yes - Digital mapping data are not available for all Special Planning Districts. Refer to EAF Workbook.
C.2.b. [Special Planning District - Name]	NYS Heritage Areas:West Erie Canal Corridor
E.1.h [DEC Spills or Remediation Site - Potential Contamination History]	Digital mapping data are not available or are incomplete. Refer to EAF Workbook.
E.1.h.i [DEC Spills or Remediation Site - Listed]	Digital mapping data are not available or are incomplete. Refer to EAF Workbook.
E.1.h.i [DEC Spills or Remediation Site - Environmental Site Remediation Database]	Digital mapping data are not available or are incomplete. Refer to EAF Workbook.
E.1.h.iii [Within 2,000' of DEC Remediation Site]	No
E.2.g [Unique Geologic Features]	No
E.2.h.i [Surface Water Features]	Yes
E.2.h.ii [Surface Water Features]	Yes
E.2.h.iii [Surface Water Features]	Yes - Digital mapping information on local and federal wetlands and waterbodies is known to be incomplete. Refer to EAF Workbook.
E.2.h.iv [Surface Water Features - Stream Name]	837-44
E.2.h.iv [Surface Water Features - Stream Classification]	C
E.2.h.iv [Surface Water Features - Wetlands Name]	Federal Waters, NYS Wetland
E.2.h.iv [Surface Water Features - Wetlands Size]	NYS Wetland (in acres):103.0, NYS Wetland (in acres):38.7
E.2.h.iv [Surface Water Features - DEC Wetlands Number]	TE-18, TE-19

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

E.2.h.v [Impaired Water Bodies]	No
E.2.i. [Floodway]	No
E.2.j. [100 Year Floodplain]	Yes
E.2.k. [500 Year Floodplain]	Yes
E.2.l. [Aquifers]	No
E.2.n. [Natural Communities]	No
E.2.o. [Endangered or Threatened Species]	No
E.2.p. [Rare Plants or Animals]	No
E.3.a. [Agricultural District]	No
E.3.c. [National Natural Landmark]	No
E.3.d [Critical Environmental Area]	No
E.3.e. [National or State Register of Historic Places or State Eligible Sites]	Digital mapping data are not available or are incomplete. Refer to EAF Workbook.
E.3.f. [Archeological Sites]	No
E.3.i. [Designated River Corridor]	No

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

Attachment A of Part 1 of Full EAF - List of Parcels Comprising the Project Site

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

TOWN OF AMHERST
State Environmental Quality Review
ENVIRONMENTAL ASSESSMENT FORM
-- ADDENDUM --

1. For each applicable category of proposed new structures, including additions to existing structures, provide the following information for all soil types on the project site (*according to Soil Survey of Erie County, NY; Table 11, Building Site Development, pp 294-305):*

Soil Name	Shallow excavations	Dwellings without basements	Dwellings with basements	Small commercial buildings	Local roads and streets
Getzville silt loam	X	X	X	X	X
Swormville clay loam	X	X	X	X	X
Wayland soils complex	X	X	X	X	X

2. Is your property located: On Youngs Road between Dodge and Klein Roads? ☐ Yes ☒ No
   On Wehrle Dr. between Spindrift Dr. and Oakwood Rd? ☐ Yes ☒ No

   If so, the property may be within an area of the Town that is affected by a moratorium on connections to the sanitary sewer system.

3. Are there alternative locations on the site for this project? ☐ Yes ☒ No

4. Location and size of real property owned by petitioner within one (1) mile of subject proposal:

   _____

   _____

5. Are you aware of current or future plans or intentions by others in the Town of Amherst to develop property within 1000± ft. of the present project request: ☐ Yes ☒ No

   Describe_____

   _____

   (Potential environmental impacts from adjacent or nearby projects undergoing the approval process will receive a coordinated environmental review to determine cumulative effects on common receivers (e.g. traffic and drainage corridors) and other relevant environmental concerns.)

6. Maximum number of vehicular trips to be generated per peak hour upon completion of project 131
   Source: _____

7. Will blasting occur during construction? ☐ Yes ☒ No

8. Does the project propose to connect and be tributary to the public sanitary sewer system? ☒ Yes ☐ No

9. Proposed net additional gallons per day (gpd) of sanitary sewer discharge upon completion of project:
   34,420 average flow 137,680 peak flow.

   (Average flows of 2,500 gpd or greater will require an Engineer's Report that includes a detailed downstream sewer capacity analysis and the identification of and commitment to required I/I offset work during peak wastewater flow conditions.)

10. Based on the Town's *2011 Reconnaissance Level Survey of Historic Resources,* is your property 'blue-rated' for historic significance? ☐ Yes ☒ No

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

ATTACHMENT "A" OF PART 1 OF FULL ENVIRONMENTAL ASSESSMENT FORM – LIST OF PARCELS COMPRISING THE PROJECT SITE AND OWNERSHIP INFORMATION

1. 1790 North French Road [SBL No. 27.04-1-12] – Owner: Anthony Cimato
2. 1860 North French Road [SBL No. 27.04-1-16.1] – Owner: SBLC Development Corp.
3. 1920 North French Road [SBL No. 27.04-1-20] – Owner: North Forest Development Corp.
4. Portion of 999 Campbell Boulevard [SBL No. 27.00-2-29] – Owner: SBLC Development Corp.

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

Attachment B of Part 1 of Full EAF - Wetland Delineation Verification Letter issued by Charles P. Rosenburg of the NYS Dept. of Environmental Conservation on January 22, 2022

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Fish and Wildlife, Region 9
700 Delaware Avenue, Buffalo, NY 14209
P: (716) 851-7010 I F: (716) 851-7005
www.dec.ny.gov

January 22, 2024

Fred Cimato
Cimato Enterprises
9220 Transit Road
East Amherst, New York 14051

Dear Fred Cimato:

Wetland TE-18 Delineation Verification
SBLC Property
Town of Amherst, Erie County

This letter serves as notification that I verified the wetland delineation performed by Earth Dimensions, Inc. (EDI) of Freshwater Wetland TE-18 within the SBLC property (1790 & 1860 North French Road, 999 Campbell Blvd; Parcels 27.00-2-29; 27.04-1-16.1; & 27.04-1-12) in the Town of Amherst, Erie County. I field inspected EDI's delineated wetland boundaries on July 26, 2023. I verified a portion of EDI-delineated wetland W2, from delineation flags W2-1 to W2-40 and W2-99 to W2-143, is part of State-jurisdictional Freshwater Wetland TE-18 and that the location of this wetland is accurately depicted in EDI's delineation map (Figure 6, enclosed here) of their April 20, 2023 wetland delineation report. A 100-foot wide regulated adjacent area surrounds Wetland TE-18.

My field inspection also determined the following areas are not part of Wetland TE-18 since they are located greater than 50 meters from the field-delineated boundary of wetland W2/Wetland TE-18: the remaining portion of EDI-delineated wetland W2 (north of delineation flags W2-40 and W2-99), EDI-delineated wetlands W1 and W3, and wetlands observed within the adjoining 1920 North French Road parcel.

Please note that Wetland TE-19 is no longer a State-regulated freshwater wetland following a November 2016 field inspection that determined the total area of its associated wetlands is less than the 12.4-acre size threshold for state wetlands jurisdiction and the wetlands do not qualify for state wetlands jurisdiction under the NYSDEC's "unusual local importance" designation.

Please be aware that wetland boundaries may change over time and this letter does not fix wetland boundaries indefinitely. If you would like to document the precise boundaries of the wetlands that comprise Wetland TE-18 relative to the property boundaries, it is your responsibility to have the wetland boundaries surveyed. If you choose to complete a survey, the wetland boundary survey map should be submitted to me for verification. A copy of this Department's *Requirements for Wetland Survey and Mapping* is enclosed. Please note that a surveyed wetland boundary that has been verified by this Department will be considered valid for five years.

NEW YORK STATE | Department of Environmental Conservation

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

In 1975, the New York State Legislature passed the Freshwater Wetlands Act to preserve and protect wetlands and their functions, such as flood protection and fish and wildlife habitat. The New York State Department of Environmental Conservation is required to map all wetlands protected by this law, and to make those maps available for inspection in all local government clerks' offices. Certain activities within the wetland or its regulated 100-foot adjacent area require a permit from this Department, including but not limited to filling, clearing vegetation, draining, and construction. Contact our Division of Environmental Permits Office for information about permit requirements at:

New York State Department of Environmental Conservation
Division of Environmental Permits
700 Delaware Avenue
Buffalo, New York 14209
Telephone: (716) 851-7165

Finally, please be advised that the U.S. Army Corps of Engineers may also have wetland and stream jurisdiction irrespective of the Department of Environmental Conservation. For more information, you may contact the Corps at:

United States Army Corps of Engineers Regulatory Branch
478 Main Street
Buffalo, New York 14202
Telephone: (716) 879-4330

If you have any questions about this wetland delineation verification, feel free to contact me in the Buffalo office at (716) 851-7024 or Charles.Rosenburg@dec.ny.gov.

Sincerely,

Charles P. Rosenburg

Charles P. Rosenburg
Region 9 BEH Habitat Protection Manager

CPR:ck

Encl: Earth Dimensions Wetland Delineation Map (Figure 6)
Requirements for Wetland Survey and Mapping

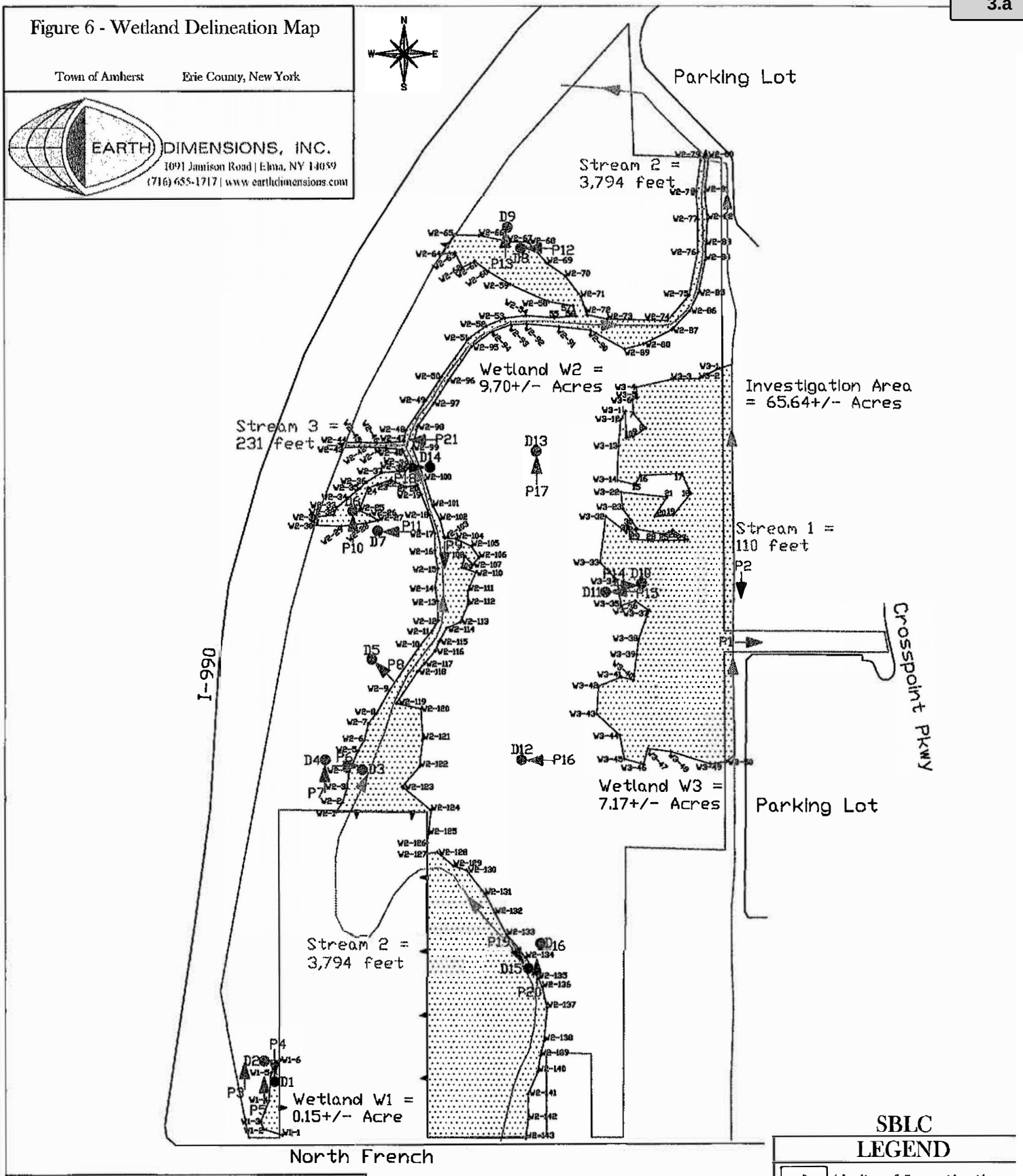
cc: Tom Somerville, Earth Dimensions, Inc.
Wetland TE-18 file

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

Figure 6 - Wetland Delineation Map

Town of Amherst Erie County, New York

EARTH DIMENSIONS, INC.
1091 Jamison Road | Elma, NY 14059
(716) 655-1717 | www.earthdimensions.com



Scale: 0 200' 400'	
Map Date: April 13, 2023/ TJS for EDI Revised:	
Base Map Provided By: Trimble Geo 7X	
File Name: Delineation Map.dwg	
EDI Project Code: W23E07a	

SBLC LEGEND

- Limits of Investigation
- Streams
- W1-1 Wetland Boundary Flag
- Wetland Area
- P1 Photo Location
- D1 Data Point Location

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

Attachment C of Part 1 of Full EAF - Jurisdictional Determination issued by the U.S. Army Corps of Engineers for 1920 North French Road dated March 14, 2023

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

DEPARTMENT OF THE ARMY
US ARMY CORPS OF ENGINEERS, BUFFALO DISTRICT
478 MAIN STREET
BUFFALO, NY 14202-3278

March 14, 2024

Regulatory Branch

SUBJECT: Approved Jurisdictional Determination for Department of the Army Processing No. LRB-2023-00911

Elliot Lasky
PO Box 1454
Williamsville, New York 14231
Email: elasky@forbesdevcorp.com

Dear Mr. Lasky:

I have reviewed the approved jurisdictional determination (JD) request submitted by Earth Dimensions, Inc. for an for the approximate 5.71-acre review area located north and adjacent to North French Road, in the Town of Amherst, Erie County, New York (latitude 43.0351 N, and longitude -78.7532 W), as shown on sheets 1-2 of 2.

I have determined that the review area as depicted on attached Sheets 1-2 of 2 is comprised entirely of dry land and contains no potential aquatic resources regulated under Section 404 of the Clean Water Act or Section 10 of the Rivers and Harbors Act of 1899. Therefore, a Department of Army permit is not required for any activities occurring within the review area.

Enclosed is an approved JD. This approved JD will remain valid for a period of five (5) years from the date of this correspondence unless new information warrants revision of the approved JD before the expiration date. At the end of this period, a new aquatic resource delineation will be required to support any request for a new JD.

Further, the delineation included herein has been conducted to identify the location and extent of the aquatic resource boundaries and/or the jurisdictional status of aquatic resources for purposes of the Clean Water Act for the particular review area identified in this request. This delineation and/or jurisdictional determination may not be valid for the Wetland Conservation Provisions of the Food Security Act of 1985, as amended. If you or your tenant are USDA program participants, or anticipate participation in USDA programs, you should discuss the applicability of a certified wetland determination with the local USDA service center, prior to starting work.

If you object to this determination, you may request an administrative appeal under Corps regulations at 33 CFR Part 331. Enclosed you will find a Notification of Appeal

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

Regulatory Branch

SUBJECT: Approved Jurisdictional Determination for Department of the Army Processing No. LRB-2023-00911

Process (NAP) fact sheet and Request for Appeal (RFA) form. If you request to appeal the above JD, you must submit a completed RFA form within 60 days of the date on this letter to the Great Lakes/Ohio River Division Office at the following address:

Katherine McCafferty
Regulatory Appeals Officer
US Army Corps of Engineers
Great Lakes and Ohio River Division
550 Main Street, Room 10780
Cincinnati, Ohio 45202-3222
Phone: 513-684-2699 Fax: 513-684-2460
e-mail: katherine.a.mccafferty@usace.army.mil

In order for an RFA to be accepted by the Corps, the Corps must determine that it is complete; that it meets the criteria for appeal under 33 C.F.R. part 331.5, and that it has been received by the Division Office within 60 days of the date of the NAP. Should you decide to submit an RFA form, it must be received at the above address by **May 12, 2024**.

It is not necessary to submit an RFA to the Division office if you do not object to the determination in this letter.

A copy of this letter has been sent to Earth Dimensions, Inc.

Questions pertaining to this matter should be directed to me at (716) 879-4240, by writing to the following address: U.S. Army Corps of Engineers, 478 Main Street, Buffalo, New York 14202, or by e-mail at: Shaina.R.Souder@usace.army.mil

Sincerely,

Shaina R Souder

Shaina Souder
Biologist

Enclosures

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

DEPARTMENT OF THE ARMY
U.S. ARMY CORPS OF ENGINEERS, BUFFALO DISTRICT
478 MAIN STREET
BUFFALO, NEW YORK 14202-3278

CELRB-TD-R 14 March 2024

MEMORANDUM FOR RECORD

SUBJECT: US Army Corps of Engineers (Corps) Approved Jurisdictional Determination in accordance with the "Revised Definition of 'Waters of the United States'"; (88 FR 3004 (January 18, 2023) as amended by the "Revised Definition of 'Waters of the United States'; Conforming" (8 September 2023) ,[1] *LRB-2023-00911 [MFR 1 of 1*][2]

BACKGROUND. An Approved Jurisdictional Determination (AJD) is a Corps document stating the presence or absence of waters of the United States on a parcel or a written statement and map identifying the limits of waters of the United States on a parcel. AJDs are clearly designated appealable actions and will include a basis of JD with the document.[3] AJDs are case-specific and are typically made in response to a request. AJDs are valid for a period of five years unless new information warrants revision of the determination before the expiration date or a District Engineer has identified, after public notice and comment, that specific geographic areas with rapidly changing environmental conditions merit re-verification on a more frequent basis.[4]

On January 18, 2023, the Environmental Protection Agency (EPA) and the Department of the Army ("the agencies") published the "Revised Definition of 'Waters of the United States,'" 88 FR 3004 (January 18, 2023) ("2023 Rule"). On September 8, 2023, the agencies published the "Revised Definition of 'Waters of the United States'; Conforming", which amended the 2023 Rule to conform to the 2023 Supreme Court decision in *Sackett v. EPA*, 598 U.S., 143 S. Ct. 1322 (2023) ("*Sackett*").

This Memorandum for Record (MFR) constitutes the basis of jurisdiction for a Corps AJD as defined in 33 CFR §331.2. For the purposes of this AJD, we have relied on Section 10 of the Rivers and Harbors Act of 1899 (RHA),[5] the 2023 Rule as amended,

[1] While the Revised Definition of "Waters of the United States"; Conforming had no effect on some categories of waters covered under the CWA, and no effect on any waters covered under RHA, all categories are included in this Memorandum for Record for efficiency.
[2] When documenting aquatic resources within the review area that are jurisdictional under the Clean Water Act (CWA), use an additional MFR and group the aquatic resources on each MFR based on the TNW, the territorial seas, or interstate water that they are connected to. Be sure to provide an identifier to indicate when there are multiple MFRs associated with a single AJD request (i.e., number them 1, 2, 3, etc.).
[3] 33 CFR 331.2.
[4] Regulatory Guidance Letter 05-02.
[5] USACE has authority under both Section 9 and Section 10 of the Rivers and Harbors Act of 1899 but for convenience, in this MFR, jurisdiction under RHA will be referred to as Section 10.

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

as well as other applicable guidance, relevant case law, and longstanding practice in evaluating jurisdiction.

1. SUMMARY OF CONCLUSIONS.

   a. The review area is comprised entirely of dry land (i.e., there are no waters such as streams, rivers, wetlands, lakes, ponds, tidal waters, ditches, and the like in the entire review area and there are no areas that have previously been determined to be jurisdictional under the Rivers and Harbors Act of 1899 in the review area).

   A review of the submitted delineation report, which included wetland data points, showed no evidence of wetland criteria (hydrology, hydrophytic vegetation, and hydric soils) being present, and no evidence of aquatic resources/waters within the 5.71-acre review area, as described in item 3 below and as shown on attached map sheets 1 and 2 of 2.

   During a September 18, 2023 site visit, the forested area was walked through from the north. Specifically, I checked the location of Data point 2, due to the mixed vegetation (hydrophytic and upland vegetation) recorded on the data form. The forested area consisted of Facultative and Facultative Wet vegetation with some upland species intermixed; the area seemed remnant or transitional of wetland but lacked hydrology throughout the site. The adjacent property to the west was walked the same day and similar forested and non-forested areas had evidence of hydrology (standing water, saturation, drainage patterns) and none of these things were observed on this site. The observations made during the site visit were consistent with the dry land reported in the submitted delineation report.

   An in-office resource review supports that there are no aquatic resources within the review area. The U.S. Geographical Survey topographic map does not show waters within the review area but does show wetland symbols north of the review area and a dotted, blue-line stream feature to the east of the review area starting at the northeast corner (outside the review area). The U.S. Department of Agriculture (USDA) Natural Resource Conservation Service (NRCS) web soil survey listed the following soils within the review area: Ge – Getzville silt loam with a hydric rating of 85 within the forested portion of the review area and Sw – Swormville clay loam with a hydric rating of 10 located in the maintained residential portion of the review area. The soils information supports that there is possibility of wetland conditions forming in these soils. The U.S. Fish and Wildlife Service (USFWS) National Wetland Inventory (NWI) maps do shows wetland in the forested area of the review area, labeled as PFO1Bd – [P] Palustrine [FO] Forested [1] Broad-leafed deciduous [B] Seasonally Saturated [d] partially drained/ditched and another water adjacent to the review area to the east consisting of a blue-line labeled R4SBC – [R] Riverine [SB] Streambed, [C]

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

seasonally flooded. A review of aerial imagery suggests some saturation some areas in the forested areas in the April 25,2020 oblique imagery. However, more recent aerial imagery (Google Earth dated November 2021, May 2022, and May 2023 do not show any saturation or evidence of hydrology.

The Antecedent Precipitation Tool (APT) was conducted for the aerial dates, USACE site visit date, and delineation date.

Latitude	*Longitude*	*Date*	*Date explanation*	*PDSI Value*	*PDSI Class*	*Season*	*Antecedent Precip Score*	*Antecedent Precip Condition*
43.0351	-78.7532	9/18/2023	Date of USACE site visit	1.47	Mild wetness	Wet Season	15	Wetter than Normal
43.0351	-78.7532	9/1/2020	Date of delineation	-1.32	Mild drought	Wet Season	9	Drier than Normal
43.0351	-78.7532	4/25/2020	Oblique Aerial (Connect Explorer)	-0.17	Normal	Wet Season	13	Normal Conditions
43.0351	-78.7532	5/8/2022	Google Earth aerial	2.04	Moderate wetness	Wet Season	11	Normal Conditions
43.0351	-78.7532	5/17/2023	Google Earth aerial	1.22	Mild wetness	Wet Season	15	Wetter than Normal
43.0351	-78.7532	11/23/2021	Google Earth aerial	3.6	Severe wetness	Wet Season	14	Normal Conditions

The APT indicates a period of minor drought on the date of the delineation, September 1, 2020. No wetland criteria were reported at any of the data points, not just hydrology. The APT report of drought conditions at the date of the site visit, which recorded no wetland conditions, indicates that the area is not wetland during normal conditions. The date of the USACE site visit was reported as wetter than normal conditions and hydrology indicators were not observed, supporting that hydrology is not typical within the review area even with wetter than normal conditions. The aerial/oblique imagery all reported normal conditions except for May 2023. No evidence of hydrology was observed in aerial/oblique

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

imagery except for the April 25, 2020 oblique, which was reported as normal conditions during the wet season.

Based on a detailed review of the submitted delineation report, a detailed in-office resource analysis, and the observations made during the September 18, 2023 USACE site visit as described above, it has been determined that the 5.71-acre review area is completely comprised of dry land and does not contain any aquatic resources or waters of the United States.

2. REFERENCES.

   a. "Revised Definition of 'Waters of the United States,'" 88 FR 3004 (January 18, 2023) ("2023 Rule")

   b. "Revised Definition of 'Waters of the United States'; Conforming" 88 FR 61964 (September 8, 2023))

   c. *Sackett v. EPA*, 598 U.S. _, 143 S. Ct. 1322 (2023)

3. REVIEW AREA. *An approximately 5.71-acre review area with relatively flat topography, located north and adjacent to North French Road, in the town of Amherst, Erie County, New York. The northern portion of the review area is forested. The southern portion of the review area is a single-family residential home with maintained (mowed) lawn. (Latitude: 43.0351, Longitude: -78.7532) See map sheets 1 and 2 of 2.*

4. NEAREST TRADITIONAL NAVIGABLE WATER (TNW), THE TERRITORIAL SEAS, OR INTERSTATE WATER TO WHICH THE AQUATIC RESOURCE IS CONNECTED. *N/A.*

5. FLOWPATH FROM THE SUBJECT AQUATIC RESOURCES TO A TNW, THE TERRITORIAL SEAS, OR INTERSTATE WATER. *N/A.*

6. SECTION 10 JURISDICTIONAL WATERS[6]: Describe aquatic resources or other features within the review area determined to be jurisdictional in accordance with Section 10 of the Rivers and Harbors Act of 1899. Include the size of each aquatic

[6] 33 CFR 329.9(a) A waterbody which was navigable in its natural or improved state, or which was susceptible of reasonable improvement (as discussed in § 329.8(b) of this part) retains its character as "navigable in law" even though it is not presently used for commerce, or is presently incapable of such use because of changed conditions or the presence of obstructions.

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

resource or other feature within the review area and how it was determined to be jurisdictional in accordance with Section 10.[7] *N/A.*

7. SECTION 404 JURISDICTIONAL WATERS: Describe the aquatic resources within the review area that were found to meet the definition of waters of the United States in accordance with the 2023 Rule as amended, consistent with the Supreme Court's decision in *Sackett*. List each aquatic resource separately, by name, consistent with the naming convention used in section 1, above. Include a rationale for each aquatic resource, supporting that the aquatic resource meets the relevant category of "waters of the United States" in the 2023 Rule as amended. The rationale should also include a written description of, or reference to a map in the administrative record that shows, the lateral limits of jurisdiction for each aquatic resource, including how that limit was determined, and incorporate relevant references used. Include the size of each aquatic resource in acres or linear feet and attach and reference related figures as needed.

   a. Traditional Navigable Waters (TNWs) (a)(1)(i): *N/A.*

   b. The Territorial Seas (a)(1)(ii): *N/A.*

   c. Interstate Waters (a)(1)(iii): *N/A.*

   d. Impoundments (a)(2): *N/A.*

   e. Tributaries (a)(3): *N/A.*

   f. Adjacent Wetlands (a)(4): *N/A.*

   g. Additional Waters (a)(5): *N/A.*

8. NON-JURISDICTIONAL AQUATIC RESOURCES AND FEATURES

   a. Describe aquatic resources and other features within the review area identified in the 2023 Rule as amended as not "waters of the United States" even where they otherwise meet the terms of paragraphs (a)(2) through (5). Include the type of excluded aquatic resource or feature, the size of the aquatic resource or feature

[7] This MFR is not to be used to make a report of findings to support a determination that the water is a navigable water of the United States. The district must follow the procedures outlined in 33 CFR part 329.14 to make a determination that water is a navigable water of the United States subject to Section 10 of the RHA.

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

within the review area and describe how it was determined to meet one of the exclusions listed in 33 CFR 328.3(b).[8] *N/A.*

b. Describe aquatic resources and features within the review area that were determined to be non-jurisdictional because they do not meet one or more categories of waters of the United States under the 2023 Rule as amended (e.g., tributaries that are non-relatively permanent waters; non-tidal wetlands that do not have a continuous surface connection to a jurisdictional water). *N/A.*

9. DATA SOURCES. List sources of data/information used in making determination. Include titles and dates of sources used and ensure that information referenced is available in the administrative record.

a. *Corps of Engineers' site visit: September 18, 2023. In-Office resource evaluation: September 15, 2023, October 2, 2023, and February 27, 2024.*

b. Submitted Aquatic Resource Delineation Report: "Wetland Delineation Report, 1920 North French Road, Town of Amherst, NY," dated November 2, 2020 and includes data forms dated September 1, 2020; prepared for Elliot Lasky; Prepared by Davey Resource Group. Submitted to the USACE by Earth Dimensions, Inc on September 15, 2023.

c. U.S. Geological Survey Hydrologic Atlas: HA-730.
_X_ USGS NHD data.
_X_ USGS 8 and 12 digit HUC maps.

d. U.S. Geological Survey map(s). Cite scale & quad name: https://ngmdb.usgs.gov/topoview/viewer/ - USGS; Tonawanda East - NY; 2019 – and as provided in the submitted delineation report.

e. Natural Resources Conservation Service Soil Survey. Citation: https://websoilsurvey.sc.egov.usda.gov/App/WebSoilSurvey.aspx - Erie County, New York; accessed September 15, 2023 and as provided in the submitted delineation report.

f. National wetlands inventory map(s). Cite name: https://www.fws.gov/program/national-wetlandsinventory/wetlands-mapper, accessed on February 27, 2024 and as provided in the delineation report.

[8] 88 FR 3004 (January 18, 2023)

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

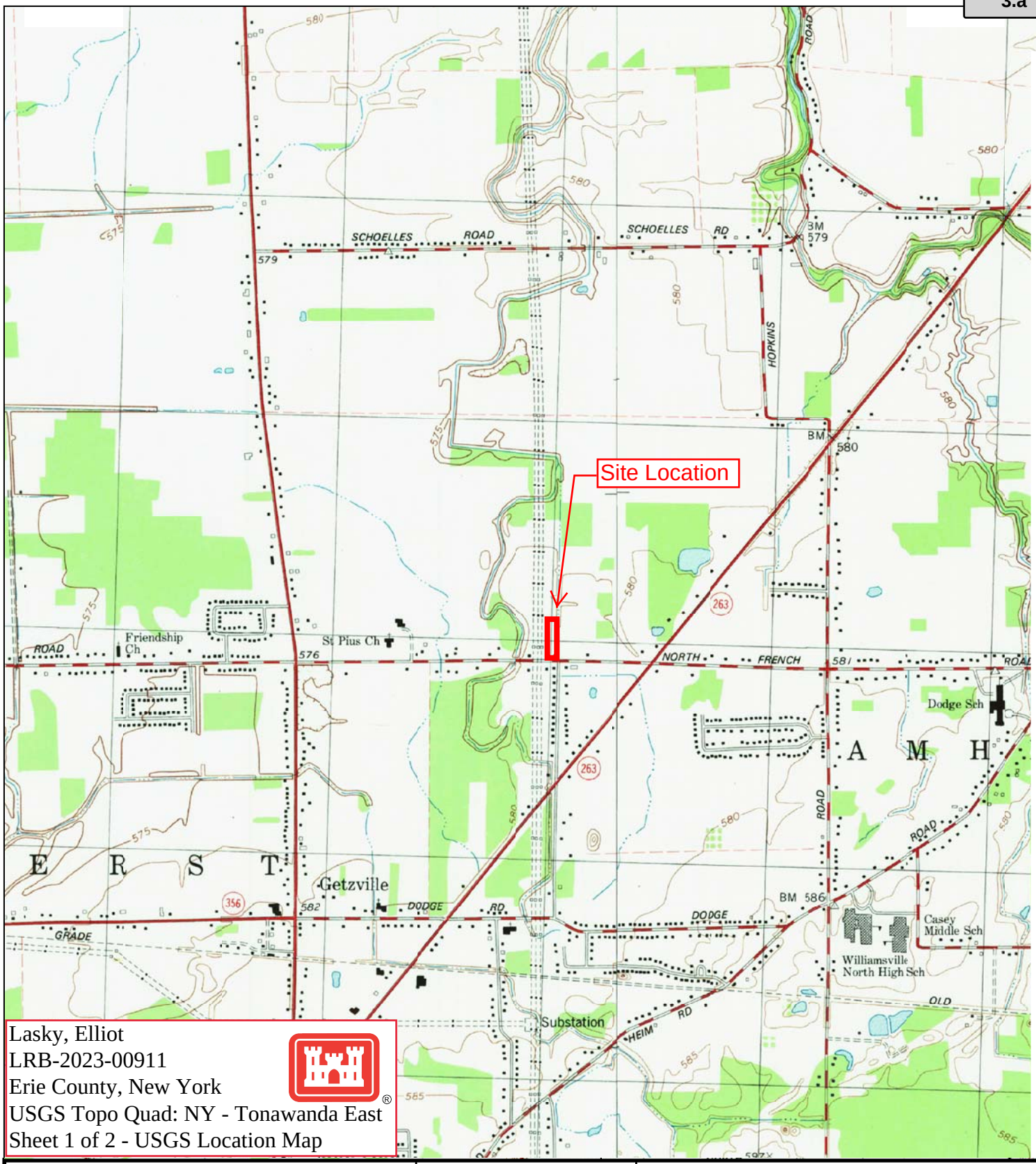
g. *State/local wetland inventory map(s): New York State Department of Environmental Resource Mapper - https://gisservices.dec.ny.gov/gis/erm/.*

h. *Photographs:*
   - *Aerial (Name & Date): Google Earth aerial imagery November 2021, May 2022, May 2023. Connect Explorer Oblique imagery dated April 25, 2020 - https://explorer.eagleview.com/.*
   - *Other (Name & Date): Photographs included in the delineation report, dated September 1, 2020.*

i. *Antecedent Precipitation Tool conducted for dates: September 18, 2023 – date of USACE site visit, 9/1/2020 – date of delineation, April 25, 2020 date of oblique imagery, and dates of Google Earth aerials – November 23, 2021, May 8, 2022, May 17, 2023.*

10. OTHER SUPPORTING INFORMATION. *N/A.*

11. NOTE: The structure and format of this MFR were developed in coordination with the EPA and Department of the Army. The MFR's structure and format may be subject to future modification or may be rescinded as needed to implement additional guidance from the agencies; however, the approved jurisdictional determination described herein is a final agency action.



Lasky, Elliot
LRB-2023-00911
Erie County, New York
USGS Topo Quad: NY - Tonawanda East
Sheet 1 of 2 - USGS Location Map

Figure 1: USGS Quadrangle Map

Tonawanda East Quadrangle

Scale 1: 24,000

N
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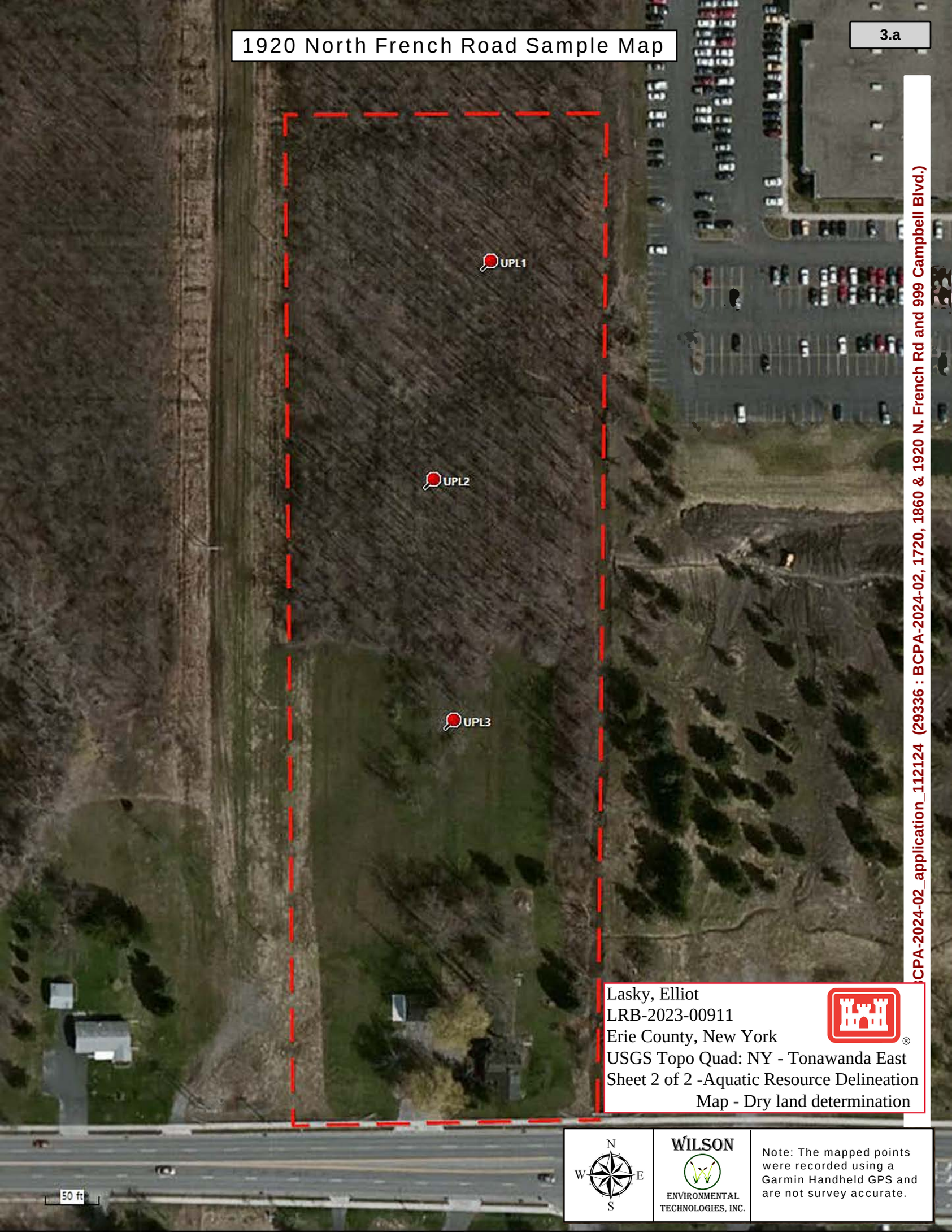
Town of Amherst
Erie County, New York

Prepared for:
Mr. Elliot Lasky

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

1920 North French Road Sample Map



BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

Lasky, Elliot
LRB-2023-00911
Erie County, New York
USGS Topo Quad: NY - Tonawanda East
Sheet 2 of 2 -Aquatic Resource Delineation Map - Dry land determination

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WILSON ENVIRONMENTAL TECHNOLOGIES, INC.

Note: The mapped points were recorded using a Garmin Handheld GPS and are not survey accurate.

NOTIFICATION OF ADMINISTRATIVE APPEAL OPTIONS AND PROCESS AND REQUEST FOR APPEAL

Applicant: Lasky, Elliot	File Number: LRB-2023-00911	Date: March 14, 2024
Attached is:		See Section below
	INITIAL PROFFERED PERMIT (Standard Permit or Letter of permission)	A
	PROFFERED PERMIT (Standard Permit or Letter of permission)	B
	PERMIT DENIAL WITHOUT PREJUDICE	C
	PERMIT DENIAL WITH PREJUDICE	D
X	APPROVED JURISDICTIONAL DETERMINATION	E
	PRELIMINARY JURISDICTIONAL DETERMINATION	F

SECTION I

The following identifies your rights and options regarding an administrative appeal of the above decision. Additional information may be found at https://www.usace.army.mil/Missions/Civil-Works/Regulatory-Program-and-Permits/appeals/ or Corps regulations at 33 CFR Part 331.

A: INITIAL PROFFERED PERMIT: You may accept or object to the permit

- ACCEPT: If you received a Standard Permit, you may sign the permit document and return it to the district engineer for final authorization. If you received a Letter of Permission (LOP), you may accept the LOP and your work is authorized. Your signature on the Standard Permit or acceptance of the LOP means that you accept the permit in its entirety, and waive all rights to appeal the permit, including its terms and conditions, and approved jurisdictional determinations associated with the permit.

- OBJECT: If you object to the permit (Standard or LOP) because of certain terms and conditions therein, you may request that the permit be modified accordingly. You must complete Section II of this form and return the form to the district engineer. Upon receipt of your letter, the district engineer will evaluate your objections and may: (a) modify the permit to address all of your concerns, (b) modify the permit to address some of your objections, or (c) not modify the permit having determined that the permit should be issued as previously written. After evaluating your objections, the district engineer will send you a proffered permit for your reconsideration, as indicated in Section B below.

B: PROFFERED PERMIT: You may accept or appeal the permit

- ACCEPT: If you received a Standard Permit, you may sign the permit document and return it to the district engineer for final authorization. If you received a Letter of Permission (LOP), you may accept the LOP and your work is authorized. Your signature on the Standard Permit or acceptance of the LOP means that you accept the permit in its entirety, and waive all rights to appeal the permit, including its terms and conditions, and approved jurisdictional determinations associated with the permit.

- APPEAL: If you choose to decline the proffered permit (Standard or LOP) because of certain terms and conditions therein, you may appeal the declined permit under the Corps of Engineers Administrative Appeal Process by completing Section II of this form and sending the form to the division engineer. This form must be received by the division engineer within 60 days of the date of this notice.

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

C. PERMIT DENIAL WITHOUT PREJUDICE: Not appealable
You received a permit denial without prejudice because a required Federal, state, and/or local authorization and/or certification has been denied for activities which also require a Department of the Army permit before final action has been taken on the Army permit application. The permit denial without prejudice is not appealable. There is no prejudice to the right of the applicant to reinstate processing of the Army permit application if subsequent approval is received from the appropriate Federal, state, and/or local agency on a previously denied authorization and/or certification.

D: PERMIT DENIAL WITH PREJUDICE: You may appeal the permit denial
You may appeal the denial of a permit under the Corps of Engineers Administrative Appeal Process by completing Section II of this form and sending the form to the division engineer. This form must be received by the division engineer within 60 days of the date of this notice.

E: APPROVED JURISDICTIONAL DETERMINATION: You may accept or appeal the approved JD or provide new information for reconsideration

- ACCEPT: You do not need to notify the Corps to accept an approved JD. Failure to notify the Corps within 60 days of the date of this notice means that you accept the approved JD in its entirety and waive all rights to appeal the approved JD.

- APPEAL: If you disagree with the approved JD, you may appeal the approved JD under the Corps of Engineers Administrative Appeal Process by completing Section II of this form and sending the form to the division engineer. This form must be received by the division engineer within 60 days of the date of this notice.

- RECONSIDERATION: You may request that the district engineer reconsider the approved JD by submitting new information or data to the district engineer within 60 days of the date of this notice. The district will determine whether the information submitted qualifies as new information or data that justifies reconsideration of the approved JD. A reconsideration request does not initiate the appeal process. You may submit a request for appeal to the division engineer to preserve your appeal rights while the district is determining whether the submitted information qualifies for a reconsideration.

F: PRELIMINARY JURISDICTIONAL DETERMINATION: Not appealable
You do not need to respond to the Corps regarding the preliminary JD. The Preliminary JD is not appealable. If you wish, you may request an approved JD (which may be appealed), by contacting the Corps district for further instruction. Also, you may provide new information for further consideration by the Corps to reevaluate the JD.

POINT OF CONTACT FOR QUESTIONS OR INFORMATION:

If you have questions regarding this decision you may contact:

Shaina Souder
U.S. Army Corps of Engineers
478 Main St,
Buffalo, New York 14202
Phone: (716)879-4240
Email: Shaina.R.Souder@usace.army.mil

If you have questions regarding the appeal process, or to submit your request for appeal, you may contact:

Katherine McCafferty
Regulatory Appeals Officer
US Army Corps of Engineers
Great Lakes and Ohio River Division
550 Main Street, Room 10780
Cincinnati, Ohio 45202-3222
Phone: 513-684-2699 Fax: 513-684-2460
e-mail: katherine.a.mccafferty@usace.army.mil

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

SECTION II – REQUEST FOR APPEAL or OBJECTIONS TO AN INITIAL PROFFERED PERMIT

REASONS FOR APPEAL OR OBJECTIONS: (Describe your reasons for appealing the decision or your objections to an initial proffered permit in clear concise statements. Use additional pages as necessary. You may attach additional information to this form to clarify where your reasons or objections are addressed in the administrative record.)

ADDITIONAL INFORMATION: The appeal is limited to a review of the administrative record, the Corps memorandum for the record of the appeal conference or meeting, and any supplemental information that the review officer has determined is needed to clarify the administrative record. Neither the appellant nor the Corps may add new information or analyses to the record. However, you may provide additional information to clarify the location of information that is already in the administrative record.

RIGHT OF ENTRY: Your signature below grants the right of entry to Corps of Engineers personnel, and any government consultants, to conduct investigations of the project site during the course of the appeal process. You will be provided a 15-day notice of any site investigation and will have the opportunity to participate in all site investigations.

_____ Signature of appellant or agent.	Date:
Email address of appellant and/or agent:	Telephone number:

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

Exhibit 3 – Reduced Size Copy of the Concept Site Plan [Drawing C-100] for the Project as Prepared by Carmina Wood Morris DPC [Note: Full Size Copy of the Concept Site Plan is also attached]

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

Mixed Use Development

1790, 1860 & 1920 North French Road & Portion of 999 Campbell Blvd.
Amherst, New York
SBL No. 27.04-1-12, 16.1 & 20, 27.00-2-29

CARMINAWOOD DESIGN
Buffalo | Utica | Greensboro

REVISIONS:	
No. Description	Date
1 Revised title block address	4/3/24
2 Updated Federal wetlands	6/7/24
3 Added Federal wetlands	6/13/24
4 Added per Owner Comments	6/17/24
5 Updated per wetland delineation	8/19/24

PRELIMINARY
NOT FOR CONSTRUCTION

DRAWING NAME: Concept Site Plan

Date: 7/16/24
Drawn By: C. Wood
Scale: As Noted

DRAWING NO. C-100

Project No: 23-4131

© CARMINA WOOD DESIGN

All Rights Reserved. Reuse of these documents without the expressed written permission of CARMINAWOOD DESIGN is prohibited. WARNING: it is a violation of article 145 section 7209 and 7307 of the New York State Education Law for any person, unless acting under the direction of a registered architect, licensed engineer or land surveyor to alter this drawing. If altered such R.A., P.E. or L.L.S. shall affix his or her seal, signature, the date, his notation, 'Altered by' and a specific description of the alteration.

Exhibit 5 – Responses to Questions in Section 4A of the of the Bicentennial Comprehensive Plan Application

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

EXHIBIT 4

RESPONSES TO QUESTION IN SECTION 4A OF BICENTENNIAL COMPREHENSIVE PLAN APPLICATION

Section 4A of the BCPA Application requests that information be provided regarding the description of any prospective action. The Project Sponsor is seeking to develop the parcels comprising the Project Site as a mixed-residential project based on the Residential District Three ("R-3") and Multifamily Residential District Five ("MFR-5") zoning classifications as depicted on the Concept Site Plan [Drawing C-100]. A reduced size copy of the Concept Zoning Plan [Drawing C-100 – Date: 08/19/24] is provided at **Exhibit "3"** and a full size copy is also attached. The proposed mixed-residential project consists of the following components:

1. 57 townhome style units with attached garages;
2. 36 lots for detached single-family homes;
3. 32 multifamily units; and
4. All related site improvements including roadways, stormwater management, landscaping, lighting, utility improvements and connections

The proposed action has been defined broadly to include all required discretionary approvals and permits needed from governmental agencies. A copy of the completed Part 1 of the Full Environmental Assessment Form with Attachments ""A to "C" is provided at **Exhibit "2"**. The proposed project is a Type I action pursuant to SEQRA. A full-size copy of the Concept Site Plan [Drawing C-100] prepared by Carmina Wood Morris DPC is attached and a reduced-size copy is also attached as **Exhibit "3"**.

The proposed mixed-residential project requires Figure 6 [titled "Conceptual Land Use Plan"] of the Comprehensive Plan to be amended. A marked-up color copies of Figure 6 of the Comprehensive Plan are attached as **Exhibit "7"**. Figure 6 of the Comprehensive Plan designates

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

the Project Site as appropriate for “Recreation, Open Space and Greenways”. The Project Sponsor is requesting that the designation be amended to “Medium Residential”.

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

Exhibit 5 – Responses to Questions in Section 4B of the of the Bicentennial Comprehensive Plan Application

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

EXHIBIT 5

RESPONSES TO QUESTIONS IN SECTION 4B OF BICENTENNIAL COMPREHENSIVE PLAN APPLICATION

Section 4B of the BCPA Application requests that information be provided in support of the rationale for a requested Comprehensive Plan Amendment in the context of the following two (2) questions:

1. **How will the requested amendment to the Bicentennial Comprehensive Plan be consistent with *Section 2.2 (Vison Statement)*?**

2. **How will the requested amendment to the Bicentennial Comprehensive Plan be consistent with *Section 2.3 (Key Initiatives)*?**

Section 2.2 of the Comprehensive Plan is titled "Vision Statement" and states that the Town is renowned for an exceptional quality of life that derives from three fundamental attributes:

- **Livability:** Our healthy neighborhoods, outstanding public facilities and services, and active community life make Amherst an exceptional place to live and raise a family.

- **Community Character:** We wisely manage growth to preserve natural and historic resources, maintain green space throughout the community, and revitalize older neighborhoods and commercial corridors while accommodating quality new development.

- **Shared Direction:** As partners in the renewed prosperity of the Buffalo-Niagara region, we work together with neighboring communities and institutions and balance our multiple roles as a premier residential community and a complementary regional center of economic, cultural, and educational activity.

Section 2.2 of the Comprehensive Plan states that the Town's Vision of the Future is defined the Town's quality of life based on the following valued **characteristics of community:**

LIVABILITY

- Our **livable neighborhoods** offer a range of lifestyle and housing choices in urban, suburban, and rural settings.

- Pedestrian-friendly, interconnected, mixed-use **development patterns** provide citizens with convenient access to services and facilities and encourage walking, biking, and use of public transportation as alternatives to automobile trips.

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

- A safe, functionally efficient, and well-maintained **transportation system** provides choices for citizens through interconnected roadways, sidewalks, bike lanes, multi-use and natural trails, and transit options.

- The **community facilities and services** offered by the Town and other providers such as accessible parks and recreational programs, outstanding public schools, and public safety services that help maintain our reputation as one of the safest communities in America, are an integral part of our exceptional quality of life.

- Our active **community life** – culture and entertainment, sports and recreation, programs for people of all ages, and other activities, events, and places for people to gather – provides opportunities for all citizens to participate and enjoy shared experiences.

COMMUNITY CHARACTER

- Vibrant **older neighborhoods,** such as Eggertsville, Snyder, Swormville, Getzville, and Williamsville, and the **commercial areas** serving them are revitalized and attract continuing investment.

- We protect and preserve valued **open spaces** and **natural and scenic resources** throughout the community.

- We respect our **history and heritage** by preserving historic resources and by remembering and interpreting Amherst's history for future generations.

- We maintain a clean, **healthy environment** by dedicating resources to protect against noise, light, air, and water pollution.

- We set high standards for the **quality of development and redevelopment** to complement our established community character.

- The **visual character** of the Town is enhanced by landscaping, protection of woodlands and tree canopy, and careful attention to the design of roadways, scenic corridors, and public places.

SHARED DIRECTION

- The Town takes a leadership role in promoting **intergovernmental cooperation** and in pursuing partnership initiatives to address issues shared with our neighboring communities.

- Our healthy, **diverse economy** provides a strong tax base and good job opportunities, contributing to the retention of our talented youth and attracting others to live, work, and invest in our community.

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

- In **carefully managing growth**, we **balance** the benefits of economic development with the need to maintain livability and preserve community character.

- The Town, together with the **University at Buffalo and other educational institutions**, work together to address issues of common concern, such as retaining young people in the community, diversifying the economy, and strengthening neighborhoods around the campuses.

- **Town government** exercises leadership, responds to the concerns of citizens, and challenges them to become positively involved in community affairs.

The requested Comprehensive Plan Amendment to accommodate the proposed mixed-use project is consistent with the Town's Vision of the Future since it will offer a range of housing choices in a suburban setting in a mixed-use environment with a substantial portion of the Project Site consisting of Permanent Open Space. The proposed residential project will not result in any potentially significant adverse impacts to important environmental resources. The proposed residential project will also enhance the visual character of the Project Site by providing extensive landscaping on the vacant site.

The project will also contribute to the Town's strong tax base without the need for any public infrastructure improvements since the Project Site represents an infill site with access to public infrastructure including North French Road and the surrounding roadway network including the I-990, sanitary sewer infrastructure, etc.

Section 2.3 of the Comprehensive Plan is titled "Key Initiatives". It states that there are four (4) Key Initiatives proposed to provide a focus for the Town's efforts to achieve the Vision Statement. These initiatives represent areas in which the Town will "raise the bar" in order to move towards a position of excellence consistent with the Vision.

- ***Aesthetic/Community Character:*** To be renowned for the beauty, character, and environmental quality of the Town – its parks, greenways, tree canopy, and protected open space; a diverse environment, including areas with rural character; walkable, livable neighborhoods; and high aesthetic standards for commercial development. Examples of Comprehensive Plan policies that will support this initiative include:

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

3-5 Apply design standards to enhance community character and sense of place

3-6/6-1 Designate "special character roads" as scenic corridors and apply design standards to maintain their appearance

3-13 Designate a town-wide open space and greenway network to be achieved through a variety of mechanisms

4-11 Implement a "Greening Amherst" planting initiative consistent with a program to manage the "Town Landscape"

- ***Education:*** To become known as a leading national "knowledge-based" community that has set high standards for public education and fully integrated a major university into the life of the community. Areas of potential focus include economic development, sports and culture, information and research-based technologies, and life-long learning initiatives. The following Comprehensive Plan policies will support this initiative:

5-4 Work with educational institutions on lifelong learning and other programs to train, attract, and retain a skilled workforce

5-7 Work with UB to create mixed-use activity centers around the periphery of the campuses

5-8 Work with UB to promote more educational, social, and cultural ties to the Town and to reinforce the role of both campuses as activity centers.

5-9 Establish an ongoing, collaborative planning structure with UB

- ***Revitalization:*** To become a model for effective reinvestment and revitalization of older neighborhoods and commercial areas, though creative use of investment incentives targeted toward revitalization and reduced pressure for the development of raw land at the suburban-rural fringe. Examples of relevant Comprehensive Plan policies include:

3-8 Provide tax incentives for reinvestment, revitalization, and redevelopment of commercial properties and housing in older areas with significantly less emphasis on new "greenfield" development

3-9 Rezone and/or provide incentives for reuse of underutilized/ obsolescent land for economically viable uses

3-10 Tailor commercial zoning districts to the unique physical characteristics of older commercial areas in need of revitalization

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

8-7 Initiate a neighborhood revitalization program to promote revitalization of designated neighborhoods through measures such as code enforcement, capital improvements, and design standards

- ***Governance:*** To exercise leadership at the local and regional levels by:
  - Retaining the Town's reputation for excellent services and facilities while ensuring fiscal balance
  - Establishing a framework for managing development that promotes predictability, fairness, and quality and eliminates conflicts over development decisions

Examples of relevant Comprehensive Plan policies include:

3-16 Improve the predictability and consistency of the zoning and other development approval processes through the application of clear town- wide land use policies

3-17 Set clear standards for development quality to increase the level of certainty in the development review and approval process

9-1 Establish an on-going system to identify and prioritize community facility and service needs

9-8 Reconcile needs for community facilities and services with the fiscal capacity of the Town through the capital programming process

The requested Comprehensive Plan Amendment to accommodate the proposed mixed-use project is consistent with the applicable Key Initiatives as listed above including "Aesthetic/Community Character" since it will enhance the visual character of the Project Site and result in the creation of a sense of place. The project is consistent with the "Revitalization" Key Initiative since the Project Site represents an infill location serviced by existing public infrastructure as opposed to a "greenfield" development. The requested rezoning of the Project Site from SA to R-3 and MFR-5 is consistent of the policy referenced on Page 2-6 of the Comprehensive Plan of rezoning sites that are underutilized.

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

Exhibit 6 – Responses to Questions in Section 4C of the of the Bicentennial Comprehensive Plan Application

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

EXHIBIT 6

RESPONSES TO QUESTIONS IN SECTION 4C OF BICENTENNIAL COMPREHENSIVE PLAN APPPLICATION

Section 4C of the BCPA Application requests that information be provided regarding the reasons the Comprehensive Plan Amendment aligns with the defined policies in Sections 3-9 of the Comprehensive Plan. As described in Exhibit "4" of this Application, the Project Sponsor is seeking to develop the three parcels comprising the "Project Site" as a residential project based on the MFR-5 and R-3 zoning classifications. The entire Project Site is currently zoned Suburban Agriculture District ("SA").

The proposed project consists of the following components:

1. 57 townhome style units with attached garages;
2. 36 lots for detached single-family homes;
3. 32 multifamily units; and
4. All related site improvements including roadways, stormwater management, landscaping, lighting, utility improvements and connections

A full-size copy of the Concept Site Plan [Drawing C-100] prepared by Carmina Wood Morris DPC is attached and a reduced-size copy is also attached as **Exhibit "3"**.

The proposed residential project requires Figure 6 [titled "Conceptual Land Use Plan"] and of the Comprehensive Plan to be amended. A copies of Figure 6 of the Comprehensive Plan is attached as **Exhibit "7"**. Figure 6 of the Comprehensive Plan designates the Project Site as appropriate for "Recreation, Open Space & Greenways". The Project Sponsor is requesting that the designation of the Project Site be amended to "Medium Residential Use".

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

I. CONSISTENCY WITH POLICIES IN SECTION 3 OF THE COMPREHENSIVE PLAN (TITLED "LAND USE AND DEVELOPMENT"):

Section 3 of the Comprehensive Plan is titled "Land Use and Development" and according to Section 3.2 the Goal is "An interconnected mix of land uses that includes revitalized older neighborhoods and commercial centers and corridors, quality new development, vibrant activity centers, agriculture, and green spaces throughout the community."[1] The six (6) Objectives for "Land Use and Development" as set forth in Section 3 of the Comprehensive Plan are as follows:

- **Promote the development/revitalization of walkable higher density, mixed-use centers surrounded by lower density development;**
- **Implement context-sensitive zoning and incentives to improve the quality and appearance of non-residential development;**
- **Encourage revitalization and reinvestment in older neighborhoods and commercial corridors in Amherst;**
- **Target capital improvements to leverage private investment and enhance community appearance;**
- **Establish a town-wide network of parks, open spaces, and greenway corridors; and**
- **Improve the predictability and consistency of the development review and decision-making process**[2]

POLICIES:

A. Development Patterns:

According to the language on Page 3-4, "[T]he Comprehensive Plan land use policies should guide the distribution of development, but are not intended to alter the amount of development in Amherst. The Plan is a tool to redistribute densities to appropriate locations while

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[1] See Page 3-4 of the Comprehensive Plan.

[2] See Page 3-4 of the Comprehensive Plan.

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

maintaining lower density development in the surrounding areas. This will result in more sustainable land use patterns that help to implement objectives such as promoting pedestrian-friendly development; preserving open space; and establishing centers of community activity."

3-1 Expand provisions and incentives for mixed-use development of commercial centers.

The proposed Comprehensive Plan Amendment to accommodate a residential project is consistent Policy 3-1 since it will result in a residential project at a location in close proximity to large office parks including Cross Pointe Business Park and also with direct access to the I-990. The mixture of residential uses on the Project Site directly adjacent to the Cross Pointe Business Park will result in a mixed-use area. The conceptual layout of the of the project as depicted on the Concept Site Plan [Drawing C-100] is Page 3-5 of the Comprehensive Plan states that the following strategies can be used to achieve mixed use development:

- **Provide a focus for new development and revitalization in the Town, consistent with protecting the character of adjacent residential areas; and**
- **Enhance the viability of surrounding neighborhoods by providing identifiable centers of community activities such as shopping, work, recreation, and meetings**

The proposed residential project is consistent with the above two strategies since it will assist the Town in its continued efforts to encourage residential projects in close proximity to large office parks. Additionally, the proposed project is consistent with many the advantages of mixed-use forms of development set forth on Pages 3-5 to 3-7 of the Comprehensive Plan including the following:

- **To provide added economic incentive and flexibility for revitalization of aging and obsolescent commercial areas**
- **To provide additional housing opportunities and choices, including higher density and affordable housing in appropriate areas**
- **To provide a more compact livable and walkable alternative to the prevalent pattern of commercial strip development and separated uses**

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

- **To provide a focus for new development, infill, and redevelopment of commercial centers, as opposed to furthering strip commercial development along corridors such as Main Street, Sheridan Drive, Maple Road, North French Road, and Millersport Highway**
- **To promote development that supports pedestrian and bicycle travel as well as transit use, thereby reducing auto usage and resulting roadway congestion and air pollution**
- **To encourage higher density centers of activity that exhibit high-quality design and a sense of place**
- **Mix of uses**[3]
- **Connectivity and integration of uses**
- **Urban design amenities**
- **Active street frontage**
- **Compactness**
- **Convenient vehicular and pedestrian/bicycle access from surrounding neighborhoods**
- **Modified parking layout**[4]

[3] The text on Page 3-7 of the Comprehensive Plan states: "It should be noted that certain types of use mixes offer little or no benefit and may exacerbate land use conflicts and traffic congestion. These may include, for example, disconnected out parcels for gas stations, fast food, or other forms of strip commercial development. Because such uses emphasize vehicular access, their use in a mixed-use development should be discouraged." The proposed residential project does not represent a discouraged form of a mixture of land uses.

[4] The text on Page 3-7 of the Comprehensive Plan states as follows: "In order to achieve a walkable, integrated development with an active street frontage, parking must be carefully designed. Parking is typically ancillary to the development, located behind or to the sides of buildings, with clearly defined pedestrian walkways hat link parking to nearby buildings." The e project has been designed to avoid large parking lot and the parking areas will include interior landscaping and dark sky compliant lighting.

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

3-2 Encourage compact, pedestrian-friendly development through Planned Residential options, including but not limited to neo-traditional design.

Policy 3-2 does not apply to the Comprehensive Plan Amendment since the Project Sponsor is not seeking to develop the Project Site based on a Planned Residential District (PRD) option as described on Pages 3-7 and 3-8 of the Comprehensive Plan.

3-3 Modify provisions of the Suburban Agricultural District to reduce conversions of rural to suburban development patterns.

The Project Site is not appropriately located for long-term agricultural use given its location directly next to the I-990 and at a location serviced by public infrastructure.

3-4 Reduce future new commercial development in North Amherst and along highway strips.

The residential project will not result in any commercial development on the Project Site.

B. <u>Development Character</u>:

3-5 Employ design standards to enhance community appearance and a strong identity and character.

Policy 3-5 states "[T]hat Design standards are effective tools to guide and shape new development and revitalization initiatives and are important in addressing such issues as impacts on the visual character of public roadways and on adjacent residential areas."[5] The text accompany Policy 3-5 states that Design standards should address the following nine "Development Considerations":

- Landscaping and lighting;
- Screening of visually obtrusive elements;
- Placement of building and parking areas;
- Use and placement of land use transitions;

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[5] <u>See</u> Page 3-10 of the Comprehensive Plan.

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

- General building design;
- Scale;
- Access and connectivity;
- Public safety; and
- Signage

The proposed residential project will be consistent with above list of "Development Considerations" and will include extensive landscaping as well as screening and the on-site lighting will comply with the Town's stringent lighting standards. A Landscape Plan and Photometric Plan will for the project will both need to be approved in connection with a future request for Site Plan Approval and Subdivision from the Planning Board for the proposed project.

The layout of the proposed project as depicted on the Concept Site Plan [Drawing C-100] is suitable in terms of the design and placement of land-use transitions since the higher density portion of the project consisting of attached townhomes with garages will be located along the North French Road frontage and the eastern portion of the Project Site that is adjacent to Cross Pointe Business Park.[6] The mixed-use components of the project are consistent with the language regarding "Streetscape, access and connectivity" on Pages 3-11 and 3-12 of the Comprehensive Plan since there will only be two curb cuts onto North French Road that will provide access to the mixture of residential uses. North French Road is an Erie County Highway.[7]

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[6] The relevant text on Page 3-11 of the Comprehensive Plan states, "Many of Amherst's commercial and mixed-use areas are directly adjacent to residential areas with varying distances between them. When dissimilar land uses are located adjacent to one another undesirable impacts may result. These impacts can be mitigated through thoughtful design and purposeful placement of transitional space, landscaping, and screening. Guidelines for providing effective transitions should be included in the Town Zoning Code *(Amended 12-11-17; BCPA-2017-01)*.

[7] The relevant text on Pages 3-11 and 3-12 of the Comprehensive Plan states, "The Town's Context-Sensitive Highway Design Report provides guidance on issues such as street geometry, sidewalks and bicycle use, and streetscape elements such as trees, lighting, and other aesthetic

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

While the signage for the proposed project has not yet been designed, the signage will be consistent with the architectural style and scale of buildings.[8]

3-6 Apply context-sensitive design standards to designated character roads.

The layout of the project will ensure there is landscaping and an upscale appearance along the North French Road.

3-7 Protect and retain the identity of special places through design guidelines.

Policy 3-7 does not apply to the Comprehensive Plan Amendment since the Project Site is not located as described on Page 3-13 of the Comprehensive Plan.[9]

C. <u>Reinvestment</u>:

3-8 Consider tax incentives for reinvestment, revitalization, and redevelopment of commercial properties and housing in older areas with less emphasis on new "greenfield" development.

The proposed Comprehensive Plan Amendment to accommodate a proposed residential project is consistent Policy 3-8 since it will result in a project that has been designed to consider

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elements. Access and connectivity considerations include limiting the number of curb cuts, providing vehicular/pedestrian connections."

[8] The relevant text on Pages 3-11 and 3-12 of the Comprehensive Plan states, The relevant text on Pages 3-11 and 3-12 of the Comprehensive Plan states, "Signs can play an important role in defining the character and context of an area. Sign regulations and standards need to be more sensitive to the local context, improve aesthetic character, and reduce "visual clutter" along commercial corridors. In general, signage should be consistent with the architectural style and scale of buildings and be an integral component of the building and site.

[9] The text accompany Policy 3-7 states as follows: "Certain places within the Town of Amherst have a special identity defined by factors such as historic character (e.g., former "hamlets" such as Getzville and Swormville), geographic location (e.g., at a highway interchange or gateway entrance to the Town), or presence of an important community resource (e.g., a major park, public or private buildings or open space, or an educational campus)."

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

environmental resources including no impacts to the on-site jurisdictional NYSDEC Freshwater Wetland.

3-9 Advance the redevelopment and revitalization of underutilized, obsolete, and vacant properties for economically viable uses.

The proposed Comprehensive Plan Amendment to accommodate a residential project is consistent Policy 3-9 since it will result in a residential project on underutilized property that is vacant and not properly zoned for a long-term economically viable use.[10]

3-10 Target capital investments to improve the aesthetic character of key locations within the Town.

The proposed Comprehensive Plan Amendment to accommodate the proposed residential project is consistent Policy 3-10 since it will result in a substantial investment of funds that will improve the aesthetic character of a key location on the north side of North French Road between the I-990 and Cross Pointe Business Park.

3-11 Initiate public capital investment projects to encourage/support private investment.

[10] The text on Page 3.17 of the Comprehensive Plan describes "Suburban Centers and Corridors" as one of the identified land use scenarios in which revitalization may occur or be desired and states as follows: "Suburban areas typically include larger parcels connected by higher speed thoroughfares without many walkable connections and may have little existing place identity. These centers and corridors may not be able to accommodate contemporary forms of retail and other commercial uses and may require revitalization through reinvestment, redevelopment, or retrofitting existing buildings/sites to remain competitive. Goals for revitalizing these areas include 1) creating opportunities for incremental change, 2) improving the relationship between streets and buildings, 3) improved accessibility through accommodation for multiple modes of travel, and 4) managing vehicular access on major roadways. (Amended 9-3-19; BCPA-2017-01A)

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

Policy 3-11 does not apply to the Comprehensive Plan Amendment since the proposed mixed-use and residential project is not dependent on a public capital investment project.

E. Open Space System:

3-12 Designate a town-wide open space and greenway network to be achieved through a variety of mechanisms.

While Policy 3-12 does not apply to the Comprehensive Plan Amendment, it is important to mention that a substantial portion of the Project Site will consist of permanent open space and there will be an on-site recreational trail.

3-13 Encourage conservation development with incentives for the dedication of open space in private developments.

The project layout includes a substantial amount of permanent open space. Per Policy 3-13, the Project Sponsor would be willing to dedicate the permanent open space within the private development to the Town.

3-14 Initiate a public open space acquisition program consistent with the open space, recreation, and greenway network.

Policy 3-14 does not apply to the Comprehensive Plan Amendment.

F. Development Review and Approval Process:

3-15 Improve the predictability and consistency of the rezoning and other development approval processes through the application of clear town-wide land use policies.

3-16 Set clear standards for development quality to increase the level of certainty in the development review and approval process.

3-17 Provide for periodic review and revision of the Comprehensive Plan and development regulations.

Policies 3-15 to 3-17 as set forth above are not specifically applicable to the Comprehensive Plan Amendment and pertain more generally to the review processes to be utilized for proposed projects in the Town**.**

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

II. CONSISTENCY WITH POLICIES IN SECTION 4 OF THE COMPREHENSIVE PLAN (TITLED "NATUARAL AND CULTURAL RESOUCES"):

Section 4 of the Comprehensive Plan is titled "Natural and Cultural Resources and according to Section 4.3 of the Comprehensive Plan the Goal is "Sensitive environmental and cultural resources identified and preserved as part of the physical fabric of the community".[11] The two (2) Objectives for "Land Use and Development" set forth in Section 4 of the Comprehensive Plan are as follows:

- **Establish an interconnected open space network that incorporates significant natural and cultural resources.**
- **Protect sensitive environmental resources through improved regulations, policies, and management, including:**
  - **Water resources and wetlands**
  - **Air quality**
  - **Trees and woodlands**
  - **Historic and cultural resources**[12]

There are fourteen (14) policies contained in Chapter 4 of the Comprehensive Plan and the policies pertain largely to the appropriate consideration of environmental resources in connection with proposed projects. It is important to mention that the Project Site does not consist entirely of a wetland subject to the jurisdiction of the New York State Department of Environmental Conservation as depicted on Figure 7 of the Comprehensive Plan [titled "Water Resources"].

The project has been designed and scaled back compared to the previously proposed mixed-use and residential project in connection with an effort to minimize wetland impacts to the

[11] See Page 4-2 of the Comprehensive Plan.

[12] See Page 4-2 of the Comprehensive Plan.

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

maximum extent practicable. The layout of the project has been designed deliberately to minimum impacts to the NYSDEC Wetland TE-18 and the regulated 100 ft. Adjacent Area.

The proposed residential project will also be required to comply with the stringent stormwater quality and quantity standards of the New York State Department of Environmental Conservation and the stormwater quantity standards of the Town of Amherst.

III. CONSISTENCY WITH POLICIES IN SECTION 5 OF THE COMPREHENSIVE PLAN (TITLED "ECONOMIC DEVELOPMENT"):

Section 5 of the Comprehensive Plan is titled "Economic Development" and according to Section 5.2 of the Comprehensive Plan the Goal is "A Town with a strong tax base and ample economic opportunities for a diverse base of employers and employees, housed in attractive, state-of-the-art commercial developments in convenient and accessible locations." The five (5) Objectives for "Economic Development" as set forth in Section 5 of the Comprehensive Plan are as follows:

- Maintain Amherst's strong tax base
- Attract more high-paying jobs to the Town
- Ensure that economic development and redevelopment respect the character and quality of life of Amherst's residential communities
- Capitalize on the presence of the University at Buffalo to leverage University-related economic development opportunities
- Build partnerships with development agencies, private industry, and educational and research institutions to promote economic development in Amherst and throughout the region[13]

POLICIES:

A. Tax Base and Employment:

[13] See Pages 5-2 and 5-3 of the Comprehensive Plan.

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

According to the language on Page 5-3, "A healthy tax and employment base are essential not only to Amherst's economy, but also to the Town's quality of life. Studies have shown that commercial retail, office, and industrial development partially subsidize the cost of providing high-quality community facilities and services to residents. Without such development, the burden on residential taxpayers would be significantly higher. Competitive employment is also important in providing economic opportunities to Amherst residents." The Project Site currently consists of vacant land that generates insubstantial annual tax revenues. The proposed project will dramatically increase the annual property tax revenues to be received by the Town, the school district and Erie County and a large portion of the residential components consisting of multifamily units for lease will not generate a substantial demand for educational services.

5-1 Target economic development policies, programs, capital expenditures, and incentives to attract and retain higher paying employment and promote desired forms and locations of development and redevelopment.

The proposed Comprehensive Plan Amendment to accommodate a residential project is consistent Policy 5-1 since high quality housing is a necessity to attract higher paying employment opportunities.

5-2 Build flexibility into non-residential zoning so that options are available for the various stages of business development.

Policy 5-2 does not apply to the Comprehensive Plan Amendment.

5-3 Promote economic development through collaborations between government, educational institutions, health care organizations, and private industries.

While Policy 5-3 does not specifically apply to the Comprehensive Plan Amendment, it is important to mention that the Project Site is located in close proximity to private industries including the large Cross Pointe Business Park directly to the east. There are numerous businesses in nearby office parks that employ individuals who will benefit from having the ability to live in

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

an upscale residential unit with direct and easy access their place of employment as well as the I-990.

5-4 Work with educational institutions on lifelong learning and other programs to train, attract, and retain a skilled workforce.

Policy 5-4 does not apply to the Comprehensive Plan Amendment.

B. <u>Community Character and Quality of Life</u>:

5-5 Promote commercial development patterns that reduce neighborhood impacts.

The proposed Comprehensive Plan Amendment to accommodate a residential project is consistent with Policy 5-5. The Project Site is located on the north side of North French Road, which is an Erie County Highway that bisects the Town in an east-west direction and is more suitable for a residential project rather than the very limited uses expressly permitted in the existing Suburban Agriculture ("SA") zoning district.

5-6 Adopt commercial development standards for neighborhood compatibility with context sensitive design guidelines.

The proposed Comprehensive Plan Amendment to accommodate a mixed-use and residential project is consistent with Policy 5-6 since the layout of the project as depicted on the Concept Site Plan has been designed to be generally consistent with the standards set forth in Section 5A of the Zoning Code [titled "Mixed Use Districts"].

C. <u>University of Buffalo</u>:

Policies 5-7 to 5-9 of the Comprehensive Plan pertain to the synergies that can result from collaboration between the Town and the University of Buffalo and as such do not apply to the proposed Comprehensive Plan Amendment. It is important to mention that the Project Site is not located very far from the UB North Campus and as such would offer the thousands employees of

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

SUNY who work at the UB North Campus with housing that is directly accessible to the campus via the I-990.

D. Regional Economic Development:

Policies 5-10 and 5-11 of the Comprehensive Plan pertain to the benefits that can result from a healthy economy in Western New York and positioning the Town as a regional technology center. An important aspect of positioning the Town as a regional technology center is providing various types of high quality housing choices for employees and the proposed mixed-use and residential project will result in high quality attached and detached housing units at a very convenient location with easy access to the I-990.

III. CONSISTENCY WITH POLICIES IN SECTION 6 OF THE COMPREHENSIVE PLAN (TITLED "TRANSPORTATION"):

Section 6 of the Comprehensive Plan is titled "Transportation" and according to Section 6.2 of the Comprehensive Plan the Goal is "An efficient, multi-modal transportation system that accommodates the automobile, maintains neighborhood character, and emphasizes alternative means of travel, including walking, biking, and public transportation."

The four (4) Objectives for "Transportation" as set forth in Section 6 of the Comprehensive Plan are as follows:

- **Create a roadway network that improves efficiency and connectivity while preserving neighborhood character;**
- **Develop the existing bicycle/pedestrian system into a townwide, interconnected network that facilitates connections between vehicular and non-vehicular transportation;**
- **Work with the Niagara Frontier Transportation Authority to provide adequate public transit service, particularly to mixed use activity centers identified in the Conceptual Land Use Plan; and**

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

- **Establish a town traffic assessment and planning capability to manage and maintain local highways**[14]

POLICIES:

A. Road Network:

6-1 Designate roadway corridors for application of context sensitive design standards to maintain their character.

North French Road is designated as Minor Arterial on Figure 9 of the Comprehensive Plan [titled "Future Thoroughfare System"]. The proposed project is consistent with Policy 6-1 since the project layout includes a focus on the limited North French Road and includes on-site pedestrian friendly amenities such as sidewalks and a recreational trail.

6-2 Modify the Town's engineering standards for roadways to reduce neighborhood impacts.

Policy 6-2 does not apply to the Comprehensive Plan Amendment since the proposed project which includes infrastructure to be designed based on current standards.

6-3 Establish a town highway planning capability to manage the local road network.

Policy 6-3 does not apply to the Comprehensive Plan Amendment.

6-4 Enhance transportation system capacities through operational improvements, including improved access management and a comprehensive signal-timing plan.

Policy 6-4 does not apply to the Comprehensive Plan Amendment. It is important to mention that the Project Sponsor has authorized Passero Associates to prepare a Traffic Impact Study to evaluate the potential traffic impacts that will result from the proposed residential project. The Traffic Impact Study will be submitted to the Planning Department once it has been finalized.

[14] See Pages 6-3 and 6-4 of the Comprehensive Plan.

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

6-5 Undertake a capital program to maintain or improve the efficiency of the existing road system.

Policy 6-5 does not apply to the Comprehensive Plan Amendment.

6-6 Accept a certain level of traffic congestion as a "given" and expand investments in alternative transportation modes and compact, mixed-use development patterns.

The text on Pages 6-14 and 6-15 of the Comprehensive Plan states as follows: "Given the limits placed on future roadway improvements by funding constraints and the need to preserve neighborhood character, combined with Amherst's established and growing function as a regional employment center, it is not expected that the above policies will "solve" congestion problems in the Town. Instead, the Comprehensive Plan transportation policies involve a shift away from an emphasis on functional efficiency for the automobile towards a more balanced transportation system that achieves other community objectives. As described in Sections B and C below, this shift includes expanded investment in facilities to support alternative travel modes (e.g., trails, sidewalks, bikeways, and transit).[15] Equally important is the coordination of transportation and land use policies to promote compact, mixed-use development patterns that reduce automobile dependency and encourage walking."

The proposed Comprehensive Plan Amendment to facilitate the proposed residential project is not inconsistent with Policy 6-6 since the layout has been designed to encourage on-site walking between the various land use components.

B. <u>Bicycle/Pedestrian Network</u>:

6-7 Develop a comprehensive bicycle network, using a rating system to identify and prioritize improvements.

Policy 6-7 does not apply to the Comprehensive Plan Amendment.

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[15] The reference to B and C relates to Policies 6-7 to 6-9 of the Comprehensive Plan.

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

6-8 Develop a comprehensive pedestrian network of sidewalks, crosswalks, and trails.

Policy 6-8 does not apply to the Comprehensive Plan Amendment.

C. Transit Service:

6-9 Work with NFTA to improve transit service and provide connections to activity centers (e.g., UB and Eggertsville).

Policy 6-9 does not apply to the Comprehensive Plan Amendment.

IV. CONSISTENCY WITH POLICIES IN SECTION 7 OF THE COMPREHENSIVE PLAN (TITLED "INFRASTRUCTURE"):

Section 7 of the Comprehensive Plan is titled "Infrastructure" and according to Section 7.2 of the Comprehensive Plan the Goal is as follows: "Well-maintained and cost-effective infrastructure systems that provide public water, sewer, stormwater, and other utility services within the Town of Amherst, consistent with Comprehensive Plan policies to promote sustainable land use and economic development and protect natural resources."

The two (2) Objectives for "Infrastructure" as set forth in Section 7 of the Comprehensive Plan are as follows:

- **Establish a town-wide program with plans and policies to effectively manage stormwater runoff, including flooding and stormwater quality; and**
- **Maintain and upgrade existing sanitary sewer infrastructure to support existing and projected needs. Limit future service extensions to those needed to serve development areas designated on the Conceptual Land Use Plan**[16]

POLICIES:

A. Stormwater Management:

7-1 Develop a program to address flooding and other stormwater management issues in coordination with other responsible agencies.

[16] See Page 7-3 of the Comprehensive Plan.

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

Policy 7-1 does not apply to the Comprehensive Plan Amendment which states the Town should implement flood mitigation measures as recommended in the Town Flood Mitigation Plan Report and the Ransom Creek Improvement Study.

7-2 Implement "low impact development" standards and techniques designed to reduce the quantity and improve the quality of stormwater runoff from development.

Policy 7-2 does not specifically apply to the Comprehensive Plan Amendment. However, it is important to that during the future Site Plan and Subdivision review processes for the proposed residential project, engineered plans will be required to demonstrate compliance with the stringent stormwater quality and quantity standards of the New York State Department of Environmental Conservation. Engineered plans and a SWPPP with Engineer's Report will accompany the future submission of Site Plan and Subdivision Applications.

B. <u>Sanitary Sewer System</u>:

7-3 Give priority to repairs to existing infrastructure systems, rather than extensions to serve new greenfield development.

The proposed Comprehensive Plan Amendment to accommodate a residential project is consistent Policy 7-3 since the Project Site is serviced by existing sanitary sewer infrastructure. The mixed-use and residential project will also be required to comply with the NYSDEC Inflow and Infiltration policy that applies to specified categories of projects that will generate a daily average of greater than 2,500 gpd of daily sanitary sewer flow.

7-4 Redefine the boundaries of the Consolidated Sanitary Sewer District in the northern part of the Town to exclude rural and agricultural areas designated for protection and include areas designated for more intensive development. Promote the importance of proper maintenance of private disposal systems or septic systems to limit sewer extensions into protected areas. (Amended 09-08-15; BCPA-2014-01)

Policy 7-4 does not apply to the Comprehensive Plan Amendment.

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

V. CONSISTENCY WITH POLICIES IN SECTION 8 OF THE COMPREHENSIVE PLAN (TITLED "HOUSING AND NEIGHBORHOODS"):

Section 8 of the Comprehensive Plan is titled "Housing and Neighborhoods" and according to Section 8.2 of the Comprehensive Plan the Goals are as follows

- **Decent and affordable housing choices available to all residents;** and
- **Healthy and diverse neighborhoods, including conserved and revitalized older parts of Amherst**[17]

The three (3) Objectives for "Housing and Neighborhoods" as set forth in Section 8.2 of the Comprehensive Plan are as follows:

- **Ensure the availability of housing affordable to all socioeconomic groups in Amherst;**
- **Promote a diverse housing stock, with higher density housing focused on mixed-use activity centers; and**
- **Implement a coordinated program to conserve and revitalize Amherst's neighborhoods.**[18]

POLICIES:

A. Affordable Housing:

8-1 Continue existing housing policies that promote home ownership and affordability.

The Project Sponsor is willing to consider a workforce housing component if feasible and this topic will be discussed with the Amherst IDA. The residential component includes lots for detached single-family homes that will promote home ownership in the Town.

Housing Diversity:

8-2 Promote the development of a variety of housing types.

The text on Pages 8-3 and 8-4 of the Comprehensive Plan states as follows:

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[17] See Page 8-2 of the Comprehensive Plan.

[18] See Page 8-3 of the Comprehensive Plan.

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

> "Approximately two-thirds of Amherst's current housing stock consists of single-family detached homes, with the remainder comprised of a mix of duplexes, townhouses, apartments, and other living arrangements (e.g., dormitories and assisted living). Recent housing development has consisted mostly of multifamily units and single-family detached, suburban subdivisions. Demographic trends will reinforce the need for a more diverse housing stock to accommodate groups such as the elderly, empty nesters, and students. As previously noted, housing diversity enhances affordability and, if properly managed, can contribute to neighborhood stability and character. Older neighborhoods like Eggertsville, for example, could benefit from decreasing household sizes and the increasing appeal of traditional development, which make smaller homes in pedestrian-oriented neighborhoods more attractive.
>
> The Town should encourage the proportional development of diverse housing types and price levels, including single-family detached (at a variety of lot sizes), townhouses, condominiums, apartments, and housing as part of mixed-use developments. Higher density housing should be located to complement established residential areas through appropriate standards for location and design (see Policies 8-3 and 8-5)."

The proposed Comprehensive Plan Amendment to accommodate a mixed-use and residential project is consistent Policy 8-2 since the project includes various housing types including attached townhomes with garages to be located on the east side of the Project Site on property to be rezoned to MFR-5 as well as traditional multifamily buildings to be located on the western side of the Project Site on property to be rezoned to MFR-5. The on-site residential units for lease are consistent with demographic trends demonstrating there is an increased demand for apartments and townhomes for lease in communities in Western New York including the Town of Amherst.

8-3 Encourage higher density residential uses in mixed-use developments and other appropriate locations.

The language contained on Page 8-4 of the Comprehensive Plan discuss the benefits of higher density residential uses at appropriate locations that decrease the potential impacts of development on sensitive lands and also states that that incorporating mixed-use activity centers

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

will help maintain and reinforce the character of established neighborhoods. The Project Site is located on the north side of North French Road between the I-990 and Cross Pointe Business Park and the SA zoning is inconsistent with nearby land uses and zoning classifications.

8-4 Work with UB to establish mixed-use centers around the periphery of both campuses.

Policy 8-4 does not apply to the Comprehensive Plan Amendment.

8-5 Establish standards for multi-family housing to promote high quality design and neighborhood compatibility.

The text on Page 9-8 and 9-9 of the Comprehensive Plan states as follows:

> "Policy 8-5 addresses the need to manage the location of higher density housing to ensure that it does not negatively affect the overall character of Amherst's neighborhoods. Equally important is the establishment of standards addressing the design and appearance of multi-family housing and its relationships to adjoining land uses. In addition to improving the quality and livability of multi-family developments for residents and improving the "fit" of these developments into the community, design standards will also help to create a more positive public perception of multi-family housing. A greater public tolerance of multi-family housing will ultimately aid the Town in preserving open space and providing alternatives to single-family detached units that are dependent on automobile use.
>
> Design standards should address the creation of multi-family housing via renovation or redevelopment of existing properties as well as new development. Design standards should also address the creation of multi-family housing for the elderly and other special needs residents. The standards should address all forms of multi-family housing including apartments, townhouses, and mixed-use developments."

The proposed Comprehensive Plan Amendment to accommodate a residential project that is consistent Policy 8-5 since the multifamily buildings will feature a high quality appearance with a diverse range of materials.

B. <u>Neighborhood Revitalization</u>:

8-6 Provide incentives for residential property repairs and improvements on a town-wide basis.

Policy 8-6 does not apply to the Comprehensive Plan Amendment.

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

8-7 Initiate a Neighborhood Conservation Program to promote revitalization of designated neighborhoods through measures such as code enforcement, capital improvements, and design standards.

Policy 8-7 does not apply to the Comprehensive Plan Amendment.

8-8 Promote the revitalization of older commercial areas as a focus of neighborhood activity and include support for building and property maintenance code enforcement.

Policy 8-8 does not apply to the Comprehensive Plan Amendment since the Project Site is not located in designated older commercial area in the southern and western portions of the Town.

8-9 Encourage participation from residents when the Town is developing action/ improvement plans for specific neighborhoods.

Policy 8-9 does not specifically apply to the Comprehensive Plan Amendment but is important to mention that the review process for the proposed residential project will involve multiple public hearings to be held by both the Planning Board and the Town Board.

VI. CONSISTENCY WITH POLICIES IN SECTION 9 OF THE COMPREHENSIVE PLAN (TITLED "COMMUNITY FACILITIES AND SERVICES"):

Section 9 of the Comprehensive Plan is titled "Community Facilities and Services" and according to Section 9.2 of the Comprehensive Plan the Goal is as follows

- **Community facilities and services that meet residents' needs and contribute to the Town's high quality of life**[19]

The three (3) Objectives for "Community Facilities and Services" as set forth in Section 9.2 of the Comprehensive Plan are as follows:

- **Establish standards or performance criteria to determine community facility and service needs;** and
- **Enhance the role of public facilities as centers of neighborhood and community activity; and**

[19] See Page 9-2 of the Comprehensive Plan.

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

- **Provide quality facilities and services cost effectively by managing expenses and diversifying revenue sources**

There are nine (9) policies contained in Chapter 9 of the Comprehensive Plan and with the exception of Policies 9-4 and 9-5 these policies do not specifically apply to the Comprehensive Plan Amendment since the proposed project does not consist of a community facilities project.

B. Community Facilities as Activity Centers:

9-4 Integrate community facilities within mixed-use activity centers.

Policy 9-1 that is referenced within Policy 9-4 pertains to the need for the Town to identify and prioritize community facilities and service needs. While the proposed residential project does not consist of a community facility use, the Project Site is accessible to various Town parks and other community facility amenities in the Town.

C. Community Facility and Service Costs:

9-5 Allow continued growth of the nonresidential tax base consistent with the Comprehensive (Land Use) Plan.

The relevant text states as follows: "Amherst's nonresidential (commercial retail, office and industrial) development partially subsidizes the costs of providing community facilities and services to residents. National studies have shown that commercial development derives excess revenues as compared to residential development. Results from a similar local study by the AIDA confirm these findings for Amherst. Thus growth in the nonresidential tax base is needed if the Town of Amherst (and other providers such as the public school districts) is to continue to provide quality facilities and services at rates affordable to taxpayers. Nonresidential development and redevelopment should be managed to be consistent with Comprehensive Plan goals, objectives, and policies for Land Use and Development and other elements, and with the mixed-use activity centers should wherever possible include existing or new community facilities. concept of balance

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

between economic development, livability, and community character expressed in the Vision Statement."

The project will contribute to the Town's growth of its overall tax base quite substantially since the Project Site currently generates insubstantial annual property tax revenues. Given the mixture of residential land uses, the Project Sponsor anticipates that the project will have positive net impact for taxing jurisdictions including the Town of Amherst, the school district and Erie County.

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

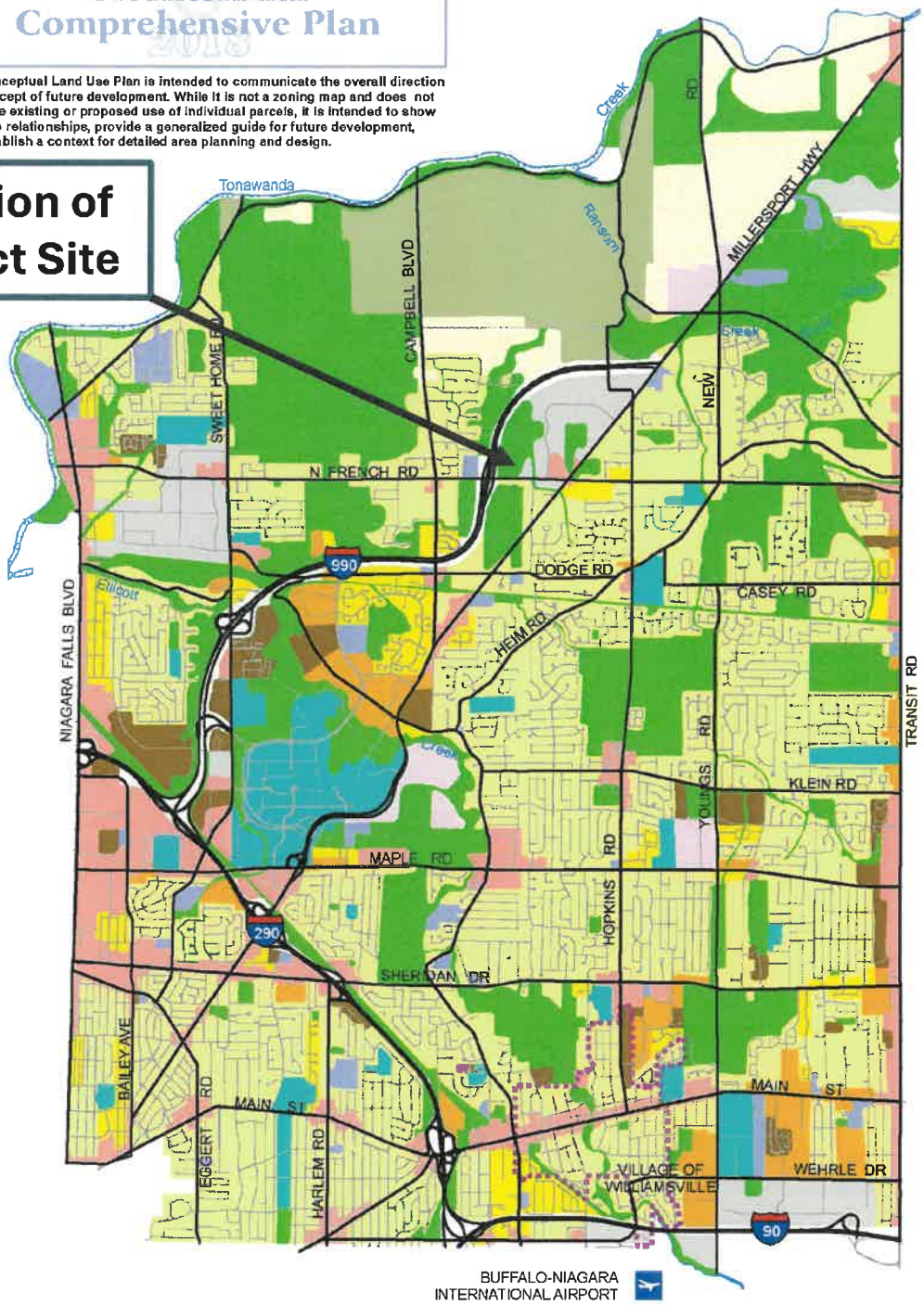
Exhibit 7 – Color Copy of Figure 6 of the Bicentennial Comprehensive Plan

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

Town of Amherst Bicentennial Comprehensive Plan

The Conceptual Land Use Plan is intended to communicate the overall direction and concept of future development. While it is not a zoning map and does not show the existing or proposed use of individual parcels, it is intended to show land use relationships, provide a generalized guide for future development, and establish a context for detailed area planning and design.

Location of Project Site



Conceptual Land Use Plan

- Rural Residential
- Single Family Residential
- Mixed Residential
- Medium Residential
- Commercial / Mixed Use*
- Special Use Center
- Commercial - Office
- Industrial - Office
- Community Facilities
- Educational Campus
- Recreation, Open Space & Greenways
- Agriculture
- Transportation
- Surface Water
- Village of Williamsville Boundary

* See Map Figure 6-A for Additional Designations

SOURCE NOTES:

Original Source Data Provided by the Town of Amherst Information Technology Department, URS Corporation and Wallace Roberts & Todd, LLC

Map Compiled by the Town of Amherst Planning Department

Date: December 2020

N

0 0.25 0.5 0.75 1 1.25 Miles

FIGURE 6

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TRAFFIC IMPACT REPORT

August 28, 2024

20233626.0004

NORTH FRENCH ROAD RESIDENTIAL DEVELOPMENT

TOWN OF AMHERST, NY

PREPARED FOR:
Mr. Christopher Wood, P.E.
Carmina Wood Design
487 Main St #500
Buffalo, NY 14203

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

TABLE OF CONTENTS

1.0 EXECUTIVE SUMMARY 2
2.0 INTRODUCTION 4
2.1 Study Purpose and Objectives 4
2.2 Project Location 4
2.3 Study Area 4
3.0 TRANSPORTATION SETTING 4
3.1 Description of Study Area Roadways 4
Table 1: Existing Highway System 5
3.2 Description of Multimodal Network 5
Table 2: Multimodal Network 6
3.3 Planned/Programmed Highway Improvements 6
4.0 EXISTING CONDITIONS ANALYSIS 7
4.1 Peak Intervals for Analysis 7
4.2 Existing Traffic Volume Data 7
4.3 Existing Crash Investigation 7
Table 3: Intersection Crash Rate Analysis 8
5.0 BACKGROUND (NO BUILD) CONDITIONS 8
6.0 PROPOSED DEVELOPMENT CONDITIONS 8
6.1 Project Description 8
6.2 Proposed Traffic Generation 9
Table 4: Site Generated Trips 9
6.3 Trip Distribution 9
6.4 Full Development Volumes 9
7.0 TRAFFIC OPERATIONS AND ANALYSIS 10
7.1 Left-Turn Warrant Investigation 10
7.2 Description of Capacity Analysis 10
Table 5: Level of Service Criteria 10
7.3 Capacity Analysis Results 11
Table 6: Capacity Analysis Results 12
8.0 CONCLUSIONS AND RECOMMENDATIONS 14
9.0 REFERENCES 15
10.0 FIGURES 15

APPENDICES

APPENDIX A: EXISTING TRAFFIC COUNT DATA
APPENDIX B: MISCELLANEOUS CALCULATIONS
APPENDIX C: LOS CALCULATIONS – EXISTING CONDITIONS
APPENDIX D: LOS CALCULATIONS – BACKGROUND CONDITIONS
APPENDIX E: LOS CALCULATIONS – FULL BUILD CONDITIONS
APPENDIX F: LOS CALCULATIONS – FULL BUILD CONDITIONS WITH MITIGATION

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

1.0 EXECUTIVE SUMMARY

The purpose of this report is to evaluate the potential traffic impacts related to the proposed residential development located along North French Road in the Town of Amherst, NY. Within this report, the operating characteristics of the proposed access points and impacts to the adjacent roadway network are evaluated and mitigating measures are identified (if needed) to minimize operational concerns.

To define traffic impact, this analysis establishes existing baseline traffic conditions, projects background traffic flow including area growth, and determines the traffic operations that would result from the proposed project.

Project Location and Description

The project site is located along the north side of North French Road, between I-990 and Crosspoint Pkwy, in the Town of Amherst, Erie County, New York The project site is bounded by I-990 to the north and west, an office building and Crosspoint Pkwy to the east, and North French Rd to the south. Land uses in the vicinity of the proposed project include commercial and residential.

The proposed project consists of 36 single family lots situated along a new private roadway, 17 townhome buildings containing a total of 69 units, and two two-story apartment buildings containing a total of 20 units. Access to the site will be provided via one full access driveway along North French Rd at the eastern end of the site, and a right in-right out (RIRO) driveway along North French Rd at the western end of the site.

Study Area

To ensure a comprehensive analysis of potential traffic impacts, the following intersections define the study area:

- North French Road/I-990 SB Ramps
- North French Road/I-990 NB Ramps
- North French Road/Miller Road
- North French Road/Crosspoint Parkway

Existing and Background Conditions

Turning movement traffic counts were collected by Passero Associates on Wednesday, October 6th, 2021 at the North French Road/Crosspoint Pkwy intersection; Tuesday, July 26th, 2022, at the North French Rd/I-990 SB Ramps and North French Rd/I-990 NB Ramps intersections; and Tuesday, July 11th, 2023 at the North French Rd/Miller Rd intersection. Traffic counts were conducted between 7:00-9:00 AM for the weekday AM peak period and 4:00-6:00 PM for the weekday PM peak period. The peak hour traffic periods occurred from 7:45-8:45 AM and 4:30-5:30 PM.

Construction of the proposed project is anticipated to reach full build-out within approximately three years. Widely accepted methodology for preparing traffic impact studies requires that any projects in the study area that are currently approved and/or under construction must be considered in the traffic analysis. Projects that are contemplated but not yet approved are not included in a traffic analysis. Local municipal personnel were contacted to discuss any other specific projects that are currently approved or under construction that would generate additional traffic in the study area. Town of Amherst officials identified a residential project at 50 Crosspoint Pkwy and a residential development at 3325 & 3275 Millersport Hwy. Site trips generated for both projects were added to the study intersections.

A review of available historical NYSDOT traffic volume data in the vicinity of the site and data collected by Passero Associates at the study intersections indicates that traffic has increased by approximately 1.35% between 2011 and 2023 on the roadway segments in the study area. To account for normal increases in background traffic growth, and

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

any other unforeseen developments in the study area, a growth rate of 1.5% per year was applied to the existing traffic volumes for the four-year build out period from the existing analysis.

Conclusions and Recommendations

This Traffic Impact Study identified and evaluated the potential traffic impacts that can be expected from the proposed residential development located along North French Road in the Town of Amherst, NY. The results of this study determined that the existing transportation network can adequately accommodate the projected traffic volumes and resulting minor impacts to study area intersections with the noted mitigation in place. The following sets forth the conclusions and recommendations based upon the results of the analyses:

Conclusions

1. The proposed project is expected to generate approximately 22 entering/67 exiting vehicle trips during the AM peak hour and 64 entering/40 exiting vehicle trips during the PM peak hour.

2. The eastbound traffic volumes turning left into the proposed easterly driveway from North French Rd indicate that a left-turn lane is warranted during both peak hours.

3. The North French Rd/Proposed Easterly Driveway intersection is projected to operate at LOS "D" or better under full build conditions during both peak hours with the recommended mitigation.

4. The North French Rd/Miller Rd intersection is projected to operate at LOS "E" or better under full build conditions during both peak hours with the recommended mitigation.

5. The detailed analysis contained in this Traffic Impact Study demonstrates the proposed project will not result in any potentially significant adverse environmental impacts for the purpose of the environmental review of the project pursuant to the State Environmental Quality Review Act ("SEQRA").

Recommendations

6. The proposed westerly site driveway should be designed to prohibit left turns from entering and exiting the site and to accommodate the appropriate design vehicle.

7. An eastbound left turn lane is recommended on North French Rd at the proposed site driveway and a two-way left turn lane (TWLTL) should be provided between the site driveway and Miller Rd.

8. The proposed easterly driveway along North French Road should be designed to provide one entering and one exiting lane.

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

2.0 INTRODUCTION

2.1 Study Purpose and Objectives

The purpose of this report is to evaluate the potential traffic impacts related to the proposed residential development located along North French Road in the Town of Amherst, NY. Within this report, the operating characteristics of the proposed access points and impacts to the adjacent roadway network are evaluated and mitigating measures are identified (if needed) to minimize operational concerns.

To define traffic impact, this analysis establishes existing baseline traffic conditions, projects background traffic flow including area growth, and determines the traffic operations that would result from the proposed project.

2.2 Project Location

The project site is located along the north side of North French Road, between I-990 and Crosspoint Pkwy, in the Town of Amherst, Erie County, New York The project site is bounded by I-990 to the north and west, an office building and Crosspoint Pkwy to the east, and North French Rd to the south. Land uses in the vicinity of the proposed project include commercial and residential.

2.3 Study Area

To ensure a comprehensive analysis of potential traffic impacts, the following intersections define the study area:

- North French Road/I-990 SB Ramps
- North French Road/I-990 NB Ramps
- North French Road/Miller Road
- North French Road/Crosspoint Parkway

The project site location and study area are illustrated in **Figure 1** (all figures are included at the end of this report).

3.0 TRANSPORTATION SETTING

3.1 Description of Study Area Roadways

The information outlined in **Table 1** provides a description of the existing roadway network within the study area. **Figure 2** illustrates the lane geometry and traffic control at each of the study intersections and the Annual Average Daily Traffic (AADT) volumes on the study roadways. The AADTs reflect the most recently collected data obtained from the NYSDOT.

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

Table 1: *Existing Highway System*

ROADWAY	CLASS[1]	AGENCY[2]	SPEED LIMIT[3]	TRAVEL LANES[4]	ORIENTATION OF TRAVEL	AADT[5]
North French Road (CR-299)	14	ECDPW	45	4	Two-way/ East-West	23,654 NYSDOT (2019)
Miller Road	19	Town of Amherst	35	2	Two-way/ North-South	673 Passero (2023)
Crosspoint Parkway	19	Town of Amherst	30	2	Two-way/ North-South	4,811 Passero (2023)

Notes:
1. State functional classification of roadway
2. Jurisdictional agency of roadway.
3. Posted or statewide limit in miles per hour (mph).
4. Number of travel lanes. Excludes turning/auxiliary lanes developed at intersections.
5. Estimated AADT in vehicles per day (vpd). AADT source (Year).

The Highway Functional Classification System defines the role a roadway plays in the overall road network. Functional classification of highways within the study area is determined by the NYSDOT and the Federal Highway Administration (FHWA).

Class 14: Urban Principle Arterial — According to the FHWA, this class of roadways "serve major activity centers, highest traffic volume corridors and longest trip demands." They "carry high proportions of total urban travel on minimum of mileage," and "interconnect and provide continuity for major rural corridors to accommodate trips entering and leaving urban area and movements through the urban area." These roads "serve demand for intra-area travel between the central business district and outlying residential areas."

Class 19: Urban Local — According to the FHWA, this class of roadway includes all facilities not in one of the higher systems (e.g., arterial, collector, etc.). It primarily permits direct access to abutting lands and connections to the higher order systems and is not intended for use in long distance travel. As public roads, they should be accessible for public use throughout the year. Generally, the streets carry little to no through-traffic flows.

3.2 Description of Multimodal Network

Table 2 summarizes the traffic controls, pedestrian, bicycle, and transit accommodations within the study area.

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

Table 2: *Multimodal Network*

ROADWAY/ INTERSECTION	TRAFFIC CONTROL	PEDESTRIAN	BICYCLE	TRANSIT
North French Road/ I-990 SB Ramps	Signalized	There is a crosswalk across the southbound approach with a countdown signal. There is a sidewalk along the north side of North French Rd.	There are no bicycle facilities at this intersection, but cyclists are permitted to share the road on all approaches	Public transit service within the study area is provided by the Niagara Frontier Transportation Association (NFTA). There are no transit stops at this intersection.
North French Road/ I-990 NB Ramps	Signalized	There are crosswalks across the southbound and westbound approaches with countdown signals. There is a sidewalk along the north side of North French Rd and another sidewalk along the south side of North French Rd to the east of the I-990.	There are no bicycle facilities at this intersection, but cyclists are permitted to share the road on all approaches	Public transit service within the study area is provided by the Niagara Frontier Transportation Association (NFTA). There are no transit stops at this intersection.
North French Road/ Miller Road	Unsignalized	There are no crosswalks at this intersection. There is a sidewalk along both sides of North French Rd.	There are no bicycle facilities at this intersection, but cyclists are permitted to share the road on all approaches	Public transit service within the study area is provided by the Niagara Frontier Transportation Association (NFTA). There are no transit stops at this intersection.
North French Road/Crosspoint Pkwy	Signalized	There are crosswalks across the southbound and westbound approaches without countdown signals. There is a sidewalk along both sides of North French Rd and another sidewalk along the east side of Crosspoint Pkwy.	There are no bicycle facilities at this intersection, but cyclists are permitted to share the road on all approaches	Public transit service within the study area is provided by the Niagara Frontier Transportation Association (NFTA). There are no transit stops at this intersection, however, Bus Route 44 provides bus stops to the east of the intersection, near Millersport Hwy, and to the north next to the proposed driveway along Crosspoint Pkwy.

3.3 Planned/Programmed Highway Improvements

There are no planned highway improvement projects in the study area.

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

4.0 EXISTING CONDITIONS ANALYSIS

4.1 Peak Intervals for Analysis

Given the functional characteristics of the corridors, adjacent land uses, and the proposed land use for the project site, the peak hours selected for analysis are the weekday AM and PM peak periods. The combination of site traffic and adjacent street traffic produces the greatest demand during these time periods.

4.2 Existing Traffic Volume Data

Turning movement traffic counts were collected by Passero Associates on Wednesday, October 6th, 2021 at the North French Road/Crosspoint Pkwy intersection; Tuesday, July 26th, 2022, at the North French Rd/I-990 SB Ramps and North French Rd/I-990 NB Ramps intersections; and Tuesday, July 11th, 2023 at the North French Rd/Miller Rd intersection. Traffic counts were conducted between 7:00-9:00 AM for the weekday AM peak period and 4:00-6:00 PM for the weekday PM peak period. The peak hour traffic periods occurred from 7:45-8:45 AM and 4:30-5:30 PM. The existing peak hour traffic volumes are shown in **Figure 3A**.

All turning movement count data was collected on a typical weekday. No adverse weather conditions impacted the traffic counts. The traffic volumes were reviewed for seasonality and to confirm the accuracy and relative balance of the collective traffic counts. The actual differences in traffic volumes can be attributed to temporal variations in traffic volumes. Traffic volumes were adjusted where necessary to achieve an appropriate balance between intersections where no driveways are present. Additionally, the volumes collected at the North French Rd/I-990 SB Ramps, North French Rd/I-990 NB Ramps, and North French Road/Crosspoint Pkwy intersections were increased using the growth rate described in Section 5.0 to account for any growth in traffic between the time of data collection and 2023. **Figure 3B** illustrates the representative 2023 weekday AM and PM peak hour base volumes used for analysis purposes in this study.

4.3 Existing Crash Investigation

The purpose of this crash analysis is to identify inherent safety issues by studying and quantifying historical crashes at the study intersections and identifying potential crash patterns and clusters.

A crash cluster is defined as an abnormal occurrence of similar crash types occurring at approximately the same location or involving the same geometric features. The severity of the crashes should also be considered. A history of crashes is an indication that further analysis is required to determine the cause(s) of the crash(es) and to identify what actions, if any, could be taken to mitigate the crashes.

A crash investigation within the study area was conducted to assess the safety history from January 1, 2018, through December 31, 2022.

Reportable (non-injury, injury, and fatal injury) type crashes are defined as damage to one person's property in the amount of $1,001 or more. The Non-Reportable type crashes result in property damage of $1,000 or less. Crash rates were computed for the study intersections and compared with NYSDOT average crash rates for similar intersections, as summarized in **Table 3**. Intersection rates are listed as crashes per million entering vehicle (CR/MEV).

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

Table 3: *Intersection Crash Rate Analysis*

INTERSECTION	NUMBER OF CRASHES	NUMBER OF ENTERING VEHICLES	ACTUAL CRASH RATE	STATEWIDE AVERAGE CRASH RATE
North Forest Rd at I-990 SB Ramps	7	22,863 vpd	0.17	0.19
North Forest Rd at I-990 NB Ramps	14	25,221 vpd	0.30	0.32
North Forest Rd at Miller Rd	5	24,347 vpd	0.11	0.31
North Forest Rd at Crosspoint Pkwy	9	19,274 vpd	0.26	0.19

The North French Rd/I-990 SB Ramps, North French Rd/I-990 NB Ramps, and North French Rd/Miller Rd intersections have a crash rate that is lower than the statewide average crash rate for similar intersections. No discernible crash patterns exist; therefore, no geometric improvements are recommended.

North Forest Rd at Crosspoint Pkwy

The study intersection has a crash rate that is 1.36 times higher than the statewide average crash rate for similar intersections. Nine total crashes occurred in this intersection. Of the nine crashes, five (56%) were attributed to rear end collisions. The remaining crashes were right angle (1), right turn (1), and sideswipe (2). The only crash pattern identified was three westbound rear end crashes which were caused by driver inattention and following too closely. No other discernible crash patterns exist; therefore, no geometric improvements are recommended.

5.0 BACKGROUND (NO BUILD) CONDITIONS

Construction of the proposed project is anticipated to reach full build-out within approximately four years. Widely accepted methodology for preparing traffic impact studies requires that any projects in the study area that are currently approved and/or under construction must be considered in the traffic analysis. Projects that are contemplated but not yet approved are not included in a traffic analysis. Local municipal personnel were contacted to discuss any other specific projects that are currently approved or under construction that would generate additional traffic in the study area. Town of Amherst officials identified a residential project at 50 Crosspoint Pkwy and a residential development at 3325 & 3275 Millersport Hwy. Site trips generated for both projects were added to the study intersections.

A review of available historical NYSDOT traffic volume data in the vicinity of the site indicates that traffic has increased by approximately 1.35% between 2011 and 2023 on the roadway segments in the study area. To account for normal increases in background traffic growth, and any other unforeseen developments in the study area, a growth rate of 1.5% per year was applied to the existing traffic volumes for the four-year build out period from the existing analysis. The background traffic volumes are depicted in **Figure 4**.

6.0 PROPOSED DEVELOPMENT CONDITIONS

6.1 Project Description

The proposed project consists of 36 single family lots situated along a new private roadway, 17 townhome buildings containing a total of 69 units, and two two-story apartment buildings containing a total of 20 units. Access to the site will be provided via one full access driveway along North French Rd at the eastern end of the site, and a right in-right out (RIRO) driveway along North French Rd at the western end of the site. The Overall Site Plan is included at the end of this report.

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

6.2 Proposed Traffic Generation

The volume of traffic generated by a site is dependent on the intended land use and size of the development. Trip generation is an estimate of the number of trips generated by a specific building or land use. These trips represent the volume of traffic entering and exiting the development. *Trip Generation Manual* (11th Edition) published by the Institute of Transportation Engineers (ITE) is used as a reference for this information. The trip rate for the peak hour of the generator may or may not coincide in time or volume with the trip rate for the peak hour of adjacent street traffic. Volumes generated during the peak hour of the adjacent street traffic and proposed land uses, in this case, the weekday commuter AM and PM peak hours, represent a more critical volume when analyzing the capacity of the system; those intervals will provide the basis of this analysis. **Table 4** shows the estimated site generated trips that will be added to the existing roadway system under full project development.

Table 4: *Site Generated Trips*

DESCRIPTION	ITE LUC[1]	SIZE	AM PEAK HOUR		PM PEAK HOUR	
			ENTER	EXIT	ENTER	EXIT
Single-Family Detached Housing	210	36 units	7	22	24	14
Single-Family Attached Housing	215	69 units	8	23	22	15
Multifamily Housing (Low-Rise)	220	20 units	7	22	18	11
Total			**22**	**67**	**64**	**40**

Note:
1. LUC = Land Use Code.

The proposed project is expected to generate approximately 22 entering/67 exiting vehicle trips during the AM peak hour and 64 entering/40 exiting vehicle trips during the PM peak hour.

6.3 Trip Distribution

The cumulative effect of site-generated traffic on the transportation network is dependent on the origins and destinations of that traffic and the location of the access drives serving the site. The proposed arrival/departure distribution of traffic generated by the proposed project is considered a function of several parameters, including:

- Residential and Employment centers using U.S. Census Data
- Site layout and access locations
- Proximity and access to expressways (I-990) and other main roadways
- Existing traffic patterns
- Existing traffic conditions and controls

Figure 5 shows the anticipated trip distribution pattern percentage for the project site. **Figure 6** illustrates the peak hour project site-generated traffic based on those percentages.

6.4 Full Development Volumes

The proposed design hour traffic volumes are developed for the peak hours by combining the background traffic conditions (**Figure 4**) and the new site-generated traffic volumes (**Figure 6**) to yield the traffic volumes under full development conditions. **Figure 7** illustrates the total peak hour volumes anticipated for the proposed project under full build-out conditions.

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

7.0 TRAFFIC OPERATIONS AND ANALYSIS

7.1 Left-Turn Warrant Investigation

This study used the Transportation Research Board's (TRB) *NCHRP Report 279 Intersection Channelization Design Guide* to evaluate the volume warrants for a left-turn treatment at the proposed driveway locations. Provisions for left-turn lane facilities should be established where traffic volumes are high enough and safety considerations are sufficient to warrant the additional lane. This investigation analyzed warrants during the weekday AM and PM peak hours for the intersections under full development conditions.

The eastbound traffic volumes turning left into the proposed easterly driveway from North French Rd indicate that a left-turn treatment is warranted during both peak hours. It is recommended that an eastbound left turn lane is installed at the proposed driveway location. Additionally, a two-way left turn lane (TWLTL) should be provided via restriping the existing pavement markings to the east of the intersection between the proposed easterly driveway and Miller Rd. A concept plan of showing this mitigation can be found at the end of the report.

7.2 Description of Capacity Analysis

Capacity analysis is a technique used for determining a measure of effectiveness for a section of roadway and/or intersection based on the number of vehicles during a specific time period. The measure of effectiveness used for the capacity analysis is referred to as a Level of Service (LOS). Levels of service are calculated to provide an indication of the amount of delay that a motorist experiences while traveling along a roadway or through an intersection. Since the most amount of delay to motorists usually occurs at intersections, capacity analysis focuses on intersections, as opposed to highway segments.

The standard procedure for capacity analysis of signalized and unsignalized intersections is outlined in the *Highway Capacity Manual* (HCM) *7th Edition* published by the Transportation Research Board (TRB). Traffic analysis software, Synchro 12, which is based on procedures and methodologies contained in the HCM, was used to analyze operating conditions at study area intersections. The procedure yields a level of service based on the HCM as an indicator of how well intersections operate.

Six levels of service are defined for analysis purposes. They are assigned letter designations, from "A" to "F", with LOS "A" representing the conditions with little to no delay, and LOS "F" conditions with very long delays. Suggested ranges of service capacity and an explanation of levels of service are included in the Appendices. LOS "C" or better is desirable, but LOS "D" for signalized locations and LOS "E" for unsignalized locations are generally thresholds of acceptable operation during peak periods so long as the volume to capacity ratio (v/c) is below 1.0. **Table 5** depicts level of service criteria for both signalized and unsignalized intersections.

Table 5: *Level of Service Criteria*

LEVEL OF SERVICE	SIGNALIZED CONTROL DELAY PER VEHICLE (seconds)	STOP CONTROL DELAY PER VEHICLE (seconds)
A	< 10	< 10
B	10 – 20	10 – 15
C	20 – 35	15 – 25
D	35 – 55	25 – 35
E	55 – 80	35 – 50
F	> 80	> 50

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

LOS for signalized intersections is defined in terms of delay specifically, average total delay per vehicle for a 15-minute analysis period. LOS for unsignalized intersections, however, are different from a signalized intersection. The primary reason for this is driver expectation that a signalized intersection is designed to carry higher volumes than an unsignalized intersection. Unsignalized intersections are also associated with more uncertainty for users, as delays are less predictable than they are at signals.

The v/c ratio, also referred to as degree of saturation, represents the sufficiency of an intersection to accommodate the vehicular demand. A v/c ratio less than 0.85 generally indicates that adequate capacity is available, and vehicles are not expected to experience significant queues and delays. As the v/c ratio approaches 1.0, traffic flow may become unstable, and delay and queuing conditions may occur.

7.3 Capacity Analysis Results

Existing and background operating conditions during the peak study periods are evaluated to determine a basis for comparison with the projected future conditions. The future traffic conditions generated by the project were analyzed to assess the operation of the study area intersections. Capacity results for existing, background, and the three full development access conditions are listed in **Table 6**. The discussion following the table summarizes capacity conditions. The detailed Synchro capacity analysis worksheets are contained in the Appendices.

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

TABLE 6: CAPACITY ANALYSIS RESULTS

INTERSECTION	2023 EXISTING BASE CONDITIONS				2027 BACKGROUND CONDITIONS				2027 FULL BUILD CONDITIONS				2027 FULL BUILD CONDITIONS WITH MITIGATION			
	AM		PM		AM		PM		AM		PM		AM		PM	
1. North French Road/I-990 SB Ramps (S)																
EB Thru - North French Road	B	10.8	B	10.9	B	11.2	B	11.1	B	11.3	B	11.2	N/A		B	11.2
EB Right - North French Road	A	4.7	A	1.6	A	5.8	A	1.9	A	6.0	A	1.7			A	1.7
WB Left - North French Road	D	47.9	E	61.5	D	49.0	E	75.1	D	49.5	E	70.3			E	70.0
WB Thru - North French Road	A	4.7	A	7.9	A	4.7	A	9.3	A	4.8	B	13.0			B	13.0
SB - I-990 SB Ramps	A	2.4	A	2.2	A	2.7	A	2.4	A	2.7	A	2.4			A	2.4
Overall LOS	**B**	**15.4**	**C**	**21.3**	**B**	**16.2**	**C**	**25.3**	**B**	**16.5**	**C**	**25.6**			**C**	**25.5**
Volume-to-Capacity (v/c) Ratio	**0.59**		**0.88**		**0.65**		**0.94**		**0.66**		**0.93**				**0.93**	
2. North French Road/I-990 NB Ramps (S)																
EB Left/Thru - North French Road	B	13.4	B	14.1	B	14.2	B	14.9	B	14.4	B	16.0	N/A		B	16.9
WB Thru/Right - North French Road	B	13.4	C	20.1	B	14.6	C	21.1	B	15.1	C	21.6			C	22.3
NB Left - I-990 NB Ramps	D	48.4	E	62.9	D	49.7	E	65.9	D	50.0	F	80.5			E	76.5
NB Thru - I-990 NB Ramps	B	13.7	A	7.1	C	20.3	A	9.5	C	21.4	B	11.4			B	11.5
NB Right - I-990 NB Ramps	B	13.5	A	7.0	C	20.1	A	9.4	C	21.2	B	11.3			B	11.4
Overall LOS	**B**	**16.0**	**C**	**21.6**	**B**	**18.7**	**C**	**22.8**	**B**	**19.2**	**C**	**25.3**			**C**	**25.3**
Volume-to-Capacity (v/c) Ratio	**0.59**		**0.88**		**0.65**		**0.94**		**0.66**		**0.93**				**0.93**	
3. North French Road/ Proposed Westerly Driveway (U)																
SB - Proposed Driveway	N/A		N/A		N/A		N/A		B	11.7	C	15.2	N/A		N/A	
4. North French Road/Proposed Easterly Driveway (U)																
EB Left - North French Road	N/A		N/A		N/A		N/A		A	9.7	B	13.5	A	9.7	B	13.5
SB - Proposed Driveway									E	48.6	F	141.1	C	20.4	D	32.0
5. North French Road/Miller Road (U)																
WB Left - North French Road	B	12.6	B	10.9	B	13.3	B	11.5	B	13.5	B	12.2	B	13.5	B	12.2
NB - Miller Road	F	71.3	F	60.2	F	101.6	F	82.6	F	109.1	F	131.4	E	36.6	D	31.6
6. North French Road/Crosspoint Pkwy (S)																
EB Left - North French Road	C	21.2	C	24.5	C	23.3	C	27.3	C	23.5	C	32.1	N/A		N/A	
EB Thru - North French Road	A	4.8	A	6.5	A	5.3	A	6.9	A	5.4	A	6.9				
WB Thru - North French Road	B	17.2	B	15.3	B	18.8	B	16.3	B	18.8	B	17.7				
WB Right - North French Road	A	4.5	A	5.5	A	5.2	A	5.7	A	5.2	A	5.9				
SB Left - Crosspoint Pkwy	C	25.6	C	25.2	C	27.9	C	28.0	C	28.0	C	34.4				
SB Right - Crosspoint Pkwy	A	9.2	A	5.8	A	7.9	A	5.7	A	7.9	A	6.5				
Overall LOS	**B**	**11.7**	**B**	**11.1**	**B**	**13.0**	**B**	**12.0**	**B**	**13.0**	**B**	**13.1**				
Volume-to-Capacity (v/c) Ratio	**0.60**		**0.66**		**0.65**		**0.68**		**0.65**		**0.73**					

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

1. North French Road/I-990 SB Ramps (Signalized)

All approaches operate at LOS "D" or better under existing and background conditions during both peak hours with the exception of the westbound left approach which operates at a LOS "E" during the PM peak hour. In between background and full build conditions, the westbound thru approach is projected to change from LOS "A" to "B" during the PM peak hour period, however, this is considered a borderline condition as the threshold between LOS "A" and "B" is 10.0 seconds per vehicle and the actual increase in delay projected is 3.7 seconds per vehicle. No other changes in LOS are anticipated and no other mitigation is warranted or recommended as a result of the project at this intersection.

2. North French Road/I-990 NB Ramps (Signalized)

All approaches operate at LOS "D" or better under existing and background conditions during both peak hours with the exception of the northbound left approach which operates at a LOS "E" during the PM peak hour. In between background and full build conditions, the northbound thru and northbound right approaches are projected to change from LOS "A" to "B" during the PM peak hour period, however, these are considered a borderline condition as the threshold between LOS "A" and "B" is 10.0 seconds per vehicle and the actual increase in delay projected is 0.9 seconds for both the northbound thru and northbound right approaches. Also between background and full build conditions, the northbound left is projected to change from LOS "E" to LOS "F". This change in LOS can be mitigated through minor adjustments to the signal timings (less than two seconds). The traffic signal is fully actuated and will automatically adjust to the increased traffic without any changes to the controller settings. No other changes in level of service are anticipated, and no improvements are warranted nor recommended at this location.

3. North French Road/Proposed Westerly Driveway (Unsignalized)

All approaches operate at LOS "C" or better under full build conditions during both peak hours. No improvements are warranted nor recommended at this location. The driveway should be designed to prohibit left turns from entering and exiting the site and to accommodate the appropriate design vehicle.

4. North French Road/Proposed Easterly Driveway (Unsignalized)

All approaches operate at LOS "B" or better under full build conditions during both peak hours with the exception of the southbound approach which operates at a LOS "E" and LOS "F" during the AM and PM peak hour periods, respectively. An eastbound left turn lane is warranted based on the analysis contained in Section 7.1. An eastbound left turn lane is recommended on North French Rd at the proposed site driveway and a two-way left turn lane (TWLTL) should be provided between the site driveway and Miller Rd. Under the mitigated conditions, the southbound approach is projected to operate at LOS "C" and LOS "D" with moderate delays during the AM and PM peak hour periods, respectively. The proposed driveway should consist of one entering and one exiting lane.

5. North French Road/Miller Road (Unsignalized)

All approaches operate at LOS "B" under all conditions during both peak hours with the exception of the northbound approach which operates at a LOS "F" during both peak hours. No changes in level of service are anticipated. A TWLTL will be installed between the proposed site driveway and Miller Rd as mitigation for this project. Northbound left turns can utilize the TWLTL to cross the eastbound lanes before merging with the westbound traffic. Under the mitigated conditions, the northbound approach is projected to operate at a LOS "E" and LOS "D" during the AM and PM peak hour periods, respectively.

6. North French Road/Crosspoint Parkway (Signalized)

All approaches operate at LOS "C" or better under all conditions during both peak hours. No changes in level of service are anticipated, and no improvements are warranted nor recommended at this location.

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

8.0 CONCLUSIONS AND RECOMMENDATIONS

This Traffic Impact Study identified and evaluated the potential traffic impacts that can be expected from the proposed residential development located along North French Road in the Town of Amherst, NY. The results of this study determined that the existing transportation network can adequately accommodate the projected traffic volumes and resulting minor impacts to study area intersections with the noted mitigation in place. The following sets forth the conclusions and recommendations based upon the results of the analyses:

Conclusions

1. The proposed project is expected to generate approximately 22 entering/67 exiting vehicle trips during the AM peak hour and 64 entering/40 exiting vehicle trips during the PM peak hour.

2. The eastbound traffic volumes turning left into the proposed easterly driveway from North French Rd indicate that a left-turn lane is warranted during both peak hours.

3. The North French Rd/Proposed Easterly Driveway intersection is projected to operate at LOS "D" or better under full build conditions during both peak hours with the recommended mitigation.

4. The North French Rd/Miller Rd intersection is projected to operate at LOS "E" or better under full build conditions during both peak hours with the recommended mitigation.

5. The detailed analysis contained in this Traffic Impact Study demonstrates the proposed project will not result in any potentially significant adverse environmental impacts for the purpose of the environmental review of the project pursuant to the State Environmental Quality Review Act ("SEQRA").

Recommendations

6. The proposed westerly site driveway should be designed to prohibit left turns from entering and exiting the site and to accommodate the appropriate design vehicle.

7. An eastbound left turn lane is recommended on North French Rd at the proposed site driveway and a two-way left turn lane (TWLTL) should be provided between the site driveway and Miller Rd.

8. The proposed easterly driveway along North French Road should be designed to provide one entering and one exiting lane.

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

9.0 REFERENCES

- Synchro 12 Software. Cubic ITS.
- Highway Capacity Manual (HCM 7th TWSC). Transportation Research Board (TRB). Washington, DC. 2016.
- Highway Functional Classification Concepts, Criteria, and Procedures. FHWA. 2013.
- Trip Generation (11th Edition). Institute of Transportation Engineers (ITE). Washington, DC. 2021.
- OnTheMap. US Census Bureau. 2023.
- Traffic Data Viewer. New York State Department of Transportation (NYSDOT). 2023.

10.0 FIGURES

Figures 1 through 7 are included on the following pages.

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

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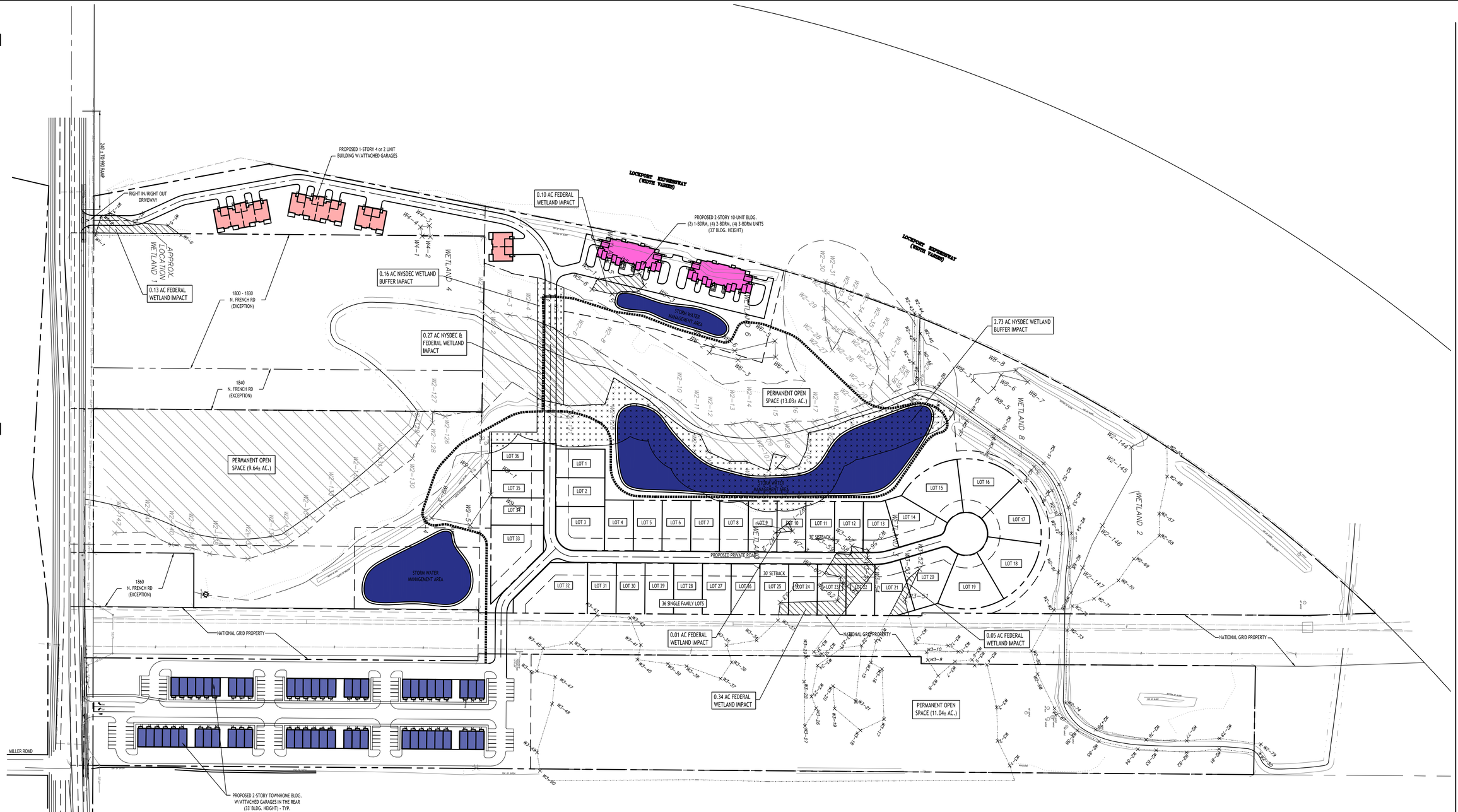


RESIDENTIAL USE SUMMARY

4-UNIT or 2-UNIT, 1-STORY BLDGS = 12

10-UNIT, 2-STORY BLDGS = 20

3-6-UNIT, 2-STORY TOWNHOME BLDGS = 57

TOTAL RESIDENTIAL UNITS = 89

PROPOSED WALKING/JOGGING TRAILS

SITE DATA (SA TO BE REZONED R-3)
36 SINGLE FAMILY LOTS (27.46± AC.)

MIN. LOT WIDTH = 65 FT INTERIOR LOTS
MIN. LOT WIDTH = 75 FT CORNER LOTS

MIN. LOT AREA = 8,450 SF INTERIOR LOTS
MIN. LOT AREA = 9,750 SF CORNER LOTS

FRONT SETBACK = 30 FT
SIDE SETBACK = 5 FT
REAR SETBACK = 30 FT

MAXIMUM LOT COVERAGE = 35%
MAXIMUM BUILDING HEIGHT = 35 FT

MINIMUM FLOOR AREA = 1,000 SF (1 STORY)
MINIMUM FLOOR AREA = 1,200 SF (2 STORIES)

SITE DATA (SA TO BE REZONED MFR-5)
TOWNHOMES (6.34± AC.)

UNIT BREAKDOWN

2 - BDRM UNITS = 57

DENSITY CALCULATION

REQ'D LAND AREA

2 - BDRM: 57 x 4356 SF = 248,292 SF

248,292 SF = 5.70 ACRES REQD

PARKING CALCULATION

REQ'D = 2 SPACES PER UNIT
REQ'D = 57 UNITS x 2 = 114 SPACES REQD

PROVIDED = 269 SPACES W/ GARAGES

SITE DATA (SA TO BE REZONED MFR-5)
MULTIFAMILY (17.05± AC.)

UNIT BREAKDOWN

1 - BDRM UNITS = 4
2 - BDRM UNITS = 20
3 - BDRM UNITS = 8

TOTAL = 32 UNITS

DENSITY CALCULATION

REQ'D LAND AREA

1 - BDRM: 4 x 3630 SF = 14,520 SF
2 - BDRM: 20 x 4356 SF = 87,120 SF
3 - BDRM: 8 x 5445 SF = 43,560 SF

TOTAL = 145,200 SF = 3.33 ACRES REQD

PARKING CALCULATION

REQ'D = 2 SPACES PER UNIT
REQ'D = 32 UNITS x 2 = 64 SPACES REQD

PROVIDED = 64 SPACES W/ GARAGES

WETLAND IMPACTS

NYSDEC WETLAND IMPACTS = 0.27 AC

NYSDEC WETLAND BUFFER IMPACTS = 2.89 AC

FEDERAL WETLAND IMPACTS = 0.90 AC

TOTAL PERMANENT OPEN SPACE = 33.71± AC.

N

CONCEPT SITE PLAN

SCALE: 1"=110'

NOTE: BOUNDARY AND TOPOGRAPHIC INFORMATION PROVIDED BY OTHERS, CARMINA WOOD DESIGN ASSUMES NO RESPONSIBILITY FOR ITS ACCURACY.

110 0 110 220Ft.
110'

CARMINAWOOD DESIGN
Buffalo | Utica | Greensboro

Mixed Use Development

1790, 1860 & 1920 North French Road & Portion of 999 Campbell Blvd.
Amherst, New York
SBL No. 27.04-1-12, 16.1 & 20, 27.00-2-29

REVISIONS:

No.	Description	Date
1	Revised title block address	4/3/24
2	Added Federal wetlands	6/3/24
3	Updated Federal wetlands	6/7/24
4	Updated per Owner Comments	6/13/24
5	Updated per wetland delineation	8/19/24

PRELIMINARY
NOT FOR CONSTRUCTION

DRAWING NAME:
Concept Site Plan

Date: 7/16
Drawn By: C. W.
Scale: As No

DRAWING NO.
C-100

Project No: 23-4131

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

Figure 1

PASSERO
engineering architecture



North French Rd Residential Development| Town of Amherst, Erie County, NY

0 400 800 1,600 Feet

N

Site Location and Study Area

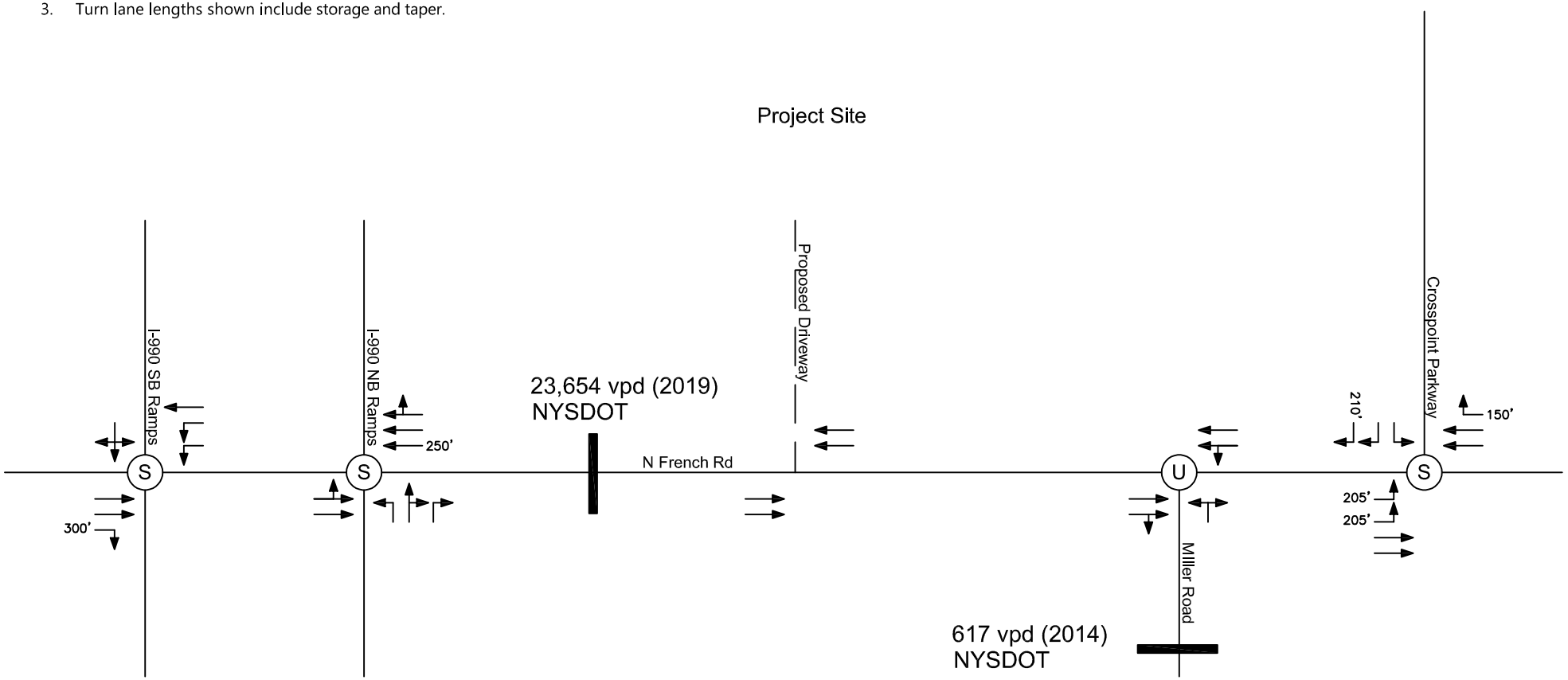
Key:
- # Study Intersection
- # Proposed Intersection

Proje

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

Figure 2

Notes:
1. All AADT volumes by those noted:
   1.1. NYSDOT = New York State Department of Transportation.
   1.2. PA = Passero Associates.
2. vpd = Vehicles per day.
3. Turn lane lengths shown include storage and taper.



N French Road Residential Development | Town of Amherst, NY

N
NOT TO SCALE

Lane Geometry and Average Daily Traffic

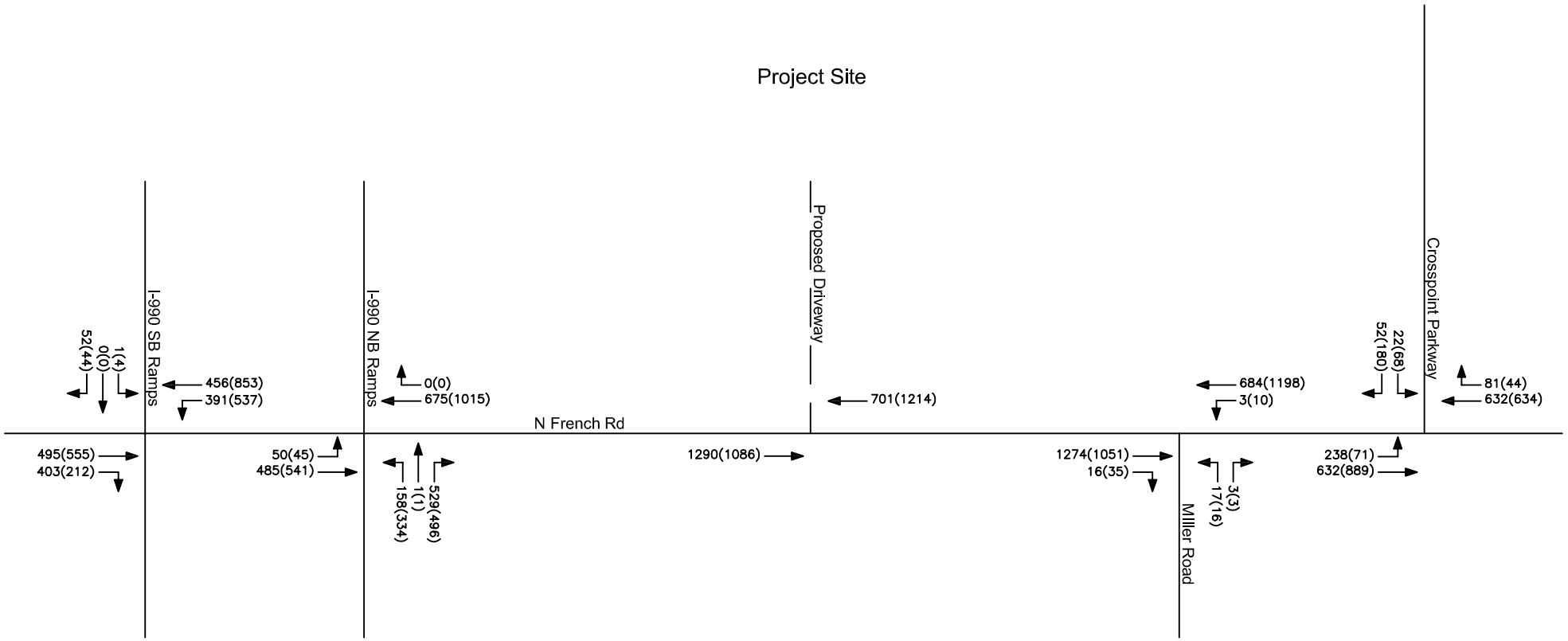
KEY:
00(00) = AM(PM)
– – – Proposed Access

Project

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

Figure 3A

PASSERO engineering architecture



N French Road Residential Development| Town of Amherst, NY

N
NOT TO SCALE

Peak Hour Volumes
2023 Existing Conditions

KEY:
00(00) = AM(PM)
– – – Proposed Access

Packet Pg. 779

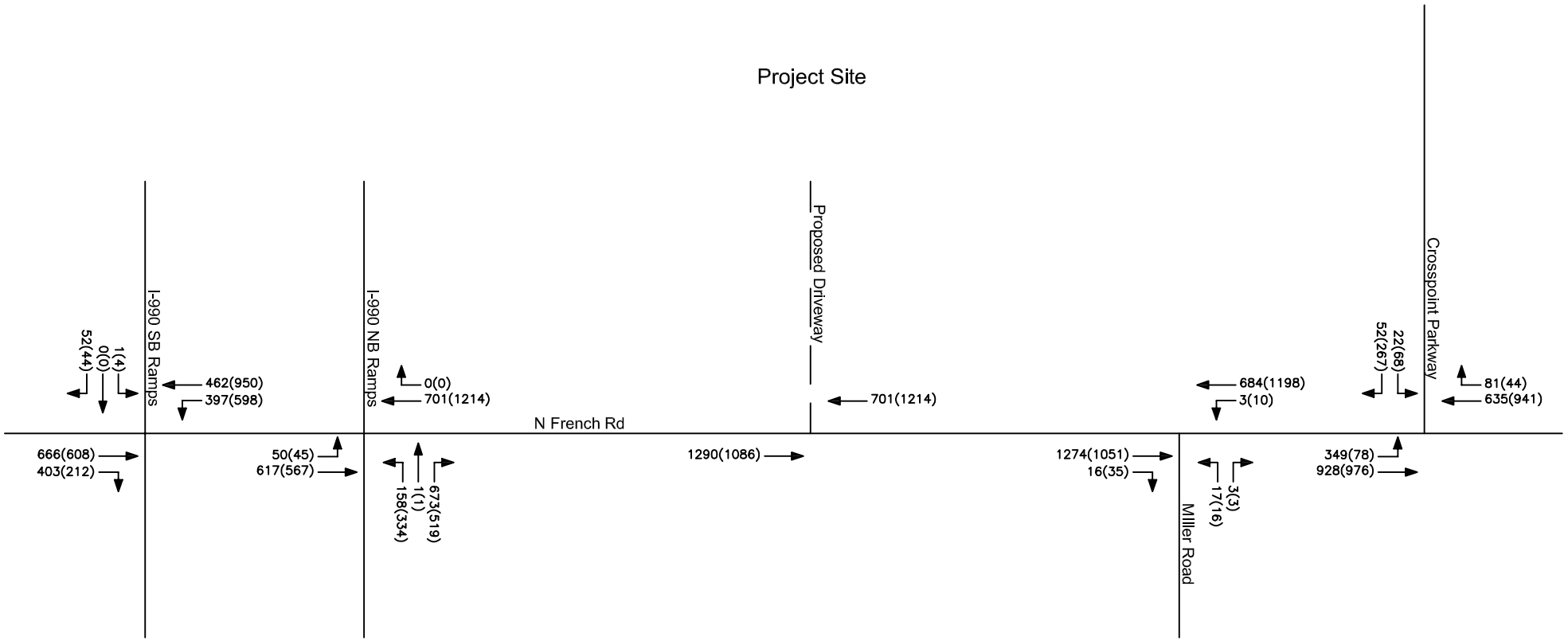
3.a

Project

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

Figure 3B

PASSERO engineering architecture



N French Road Residential Development| Town of Amherst, NY

N
NOT TO SCALE

Peak Hour Volumes
2023 Balanced Existing Conditions

KEY:
00(00) = AM(PM)
– – – Proposed Access

Packet Pg. 780

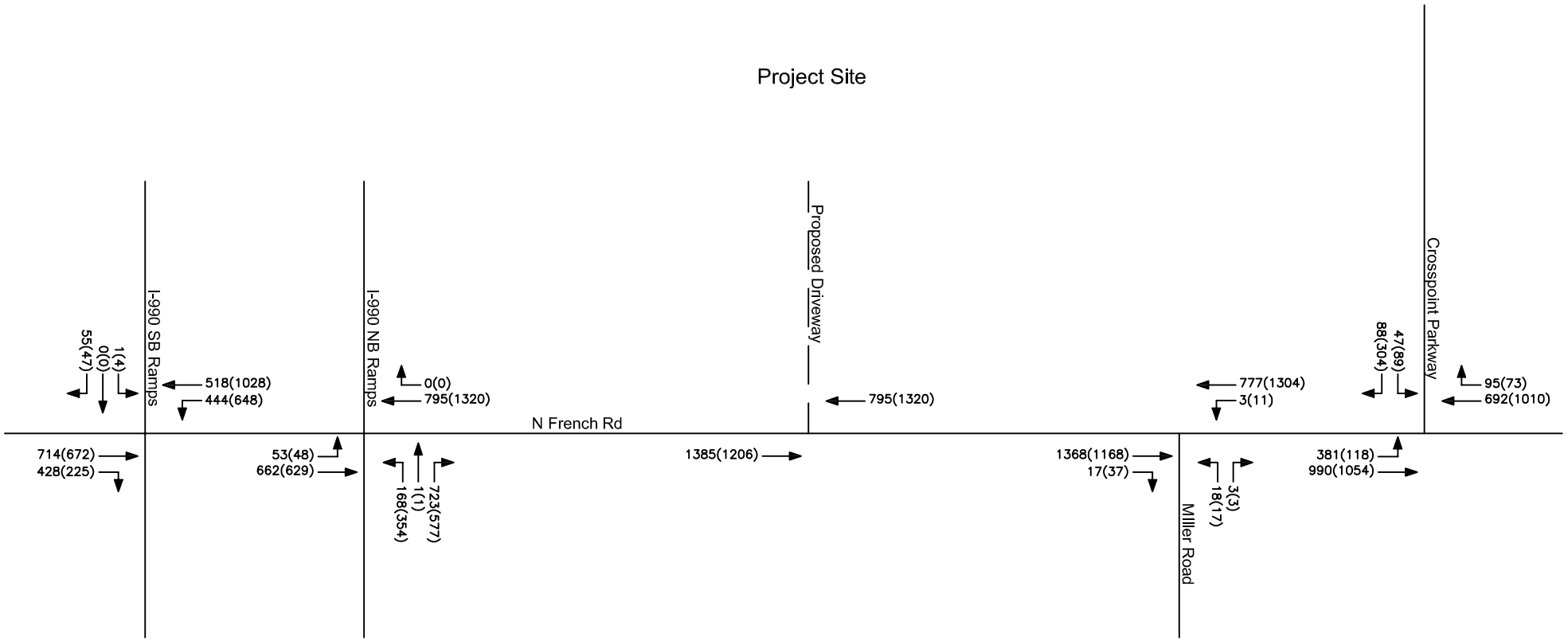
3.a

Project

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

Figure 4

PASSERO engineering architecture



N French Road Residential Development | Town of Amherst, NY

N
NOT TO SCALE

Peak Hour Volumes
2027 Background Conditions

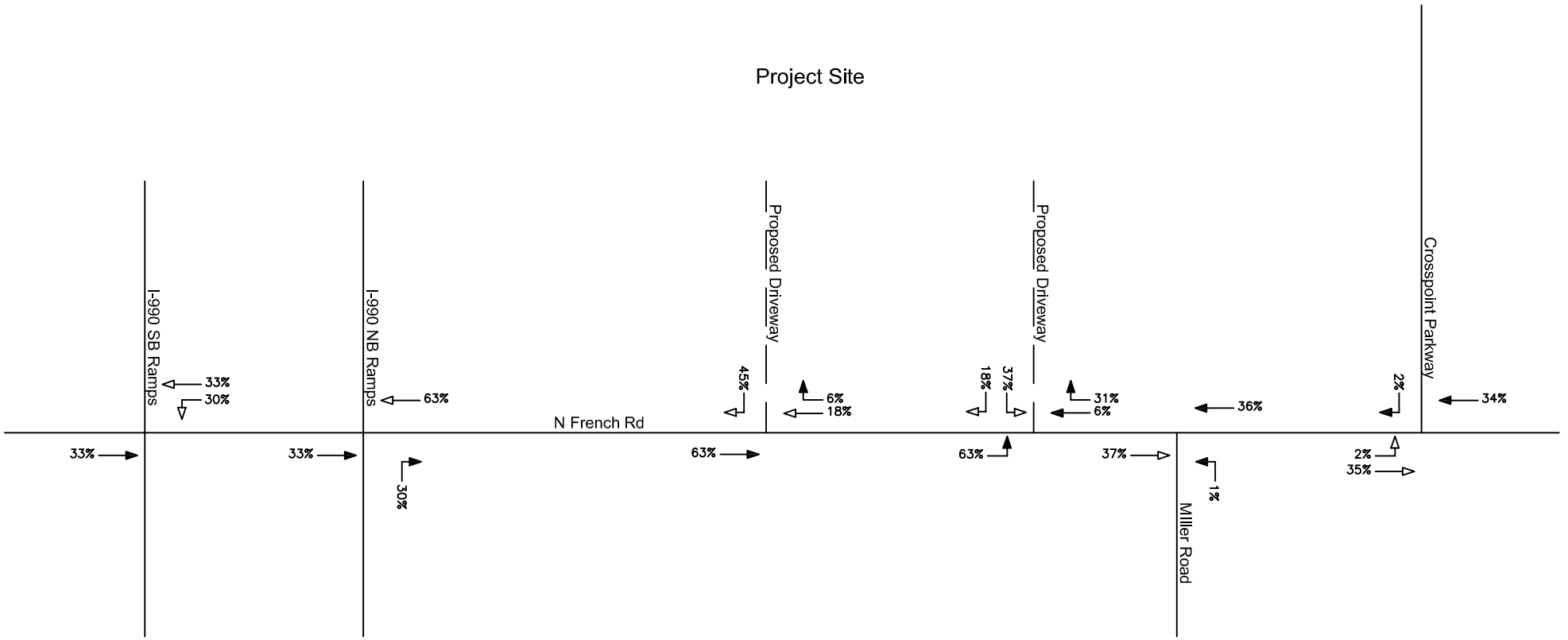
KEY:
00(00) = AM(PM)
– – – Proposed Access

Project

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

Figure 5

PASSERO engineering architecture



N French Road Residential Development| Town of Amherst, NY

N
NOT TO SCALE

Trip Distribution

KEY:
00(00) = AM(PM)
→ Entering Trip

Packet Pg. 782

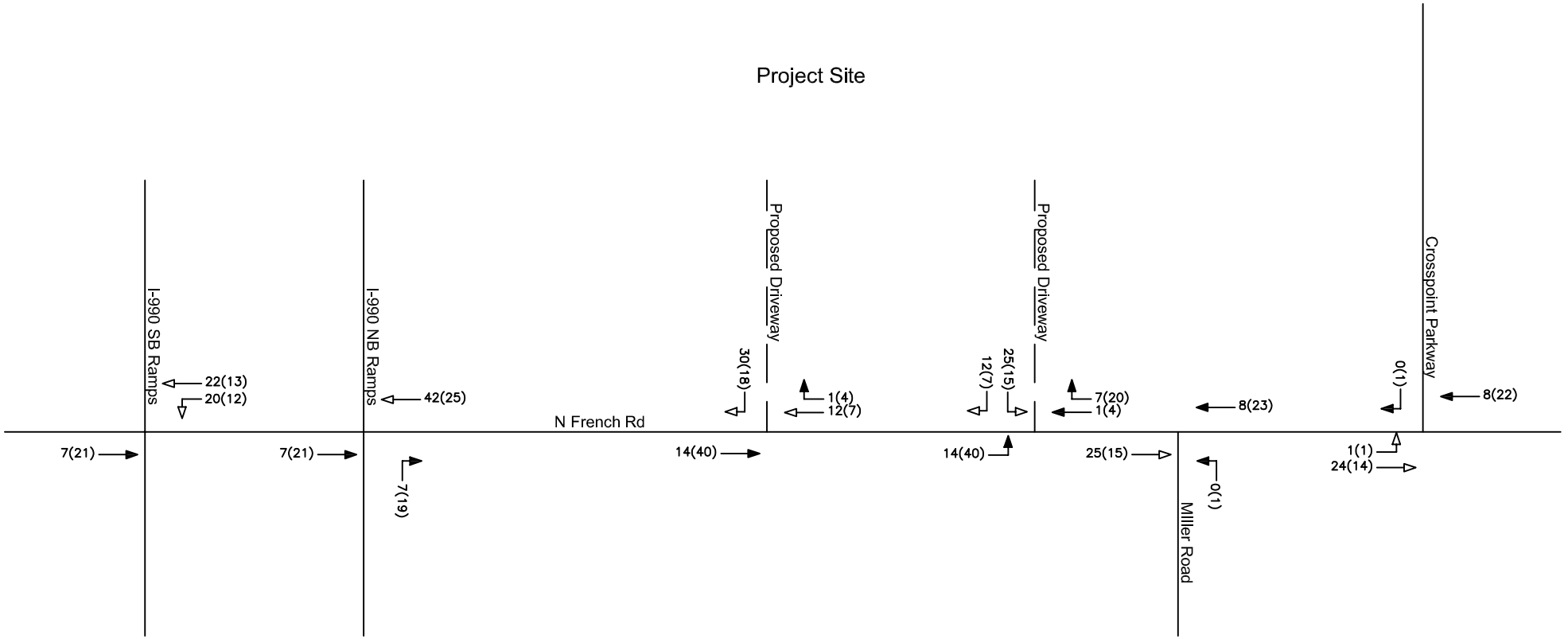
3.a

Project

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

Figure 6

PASSERO
engineering architecture



N French Road Residential Development | Town of Amherst, NY

N
NOT TO SCALE

Site Generated Trips

KEY:
00(00) = AM(PM)
→ Entering Trip

Packet Pg. 783

3.a

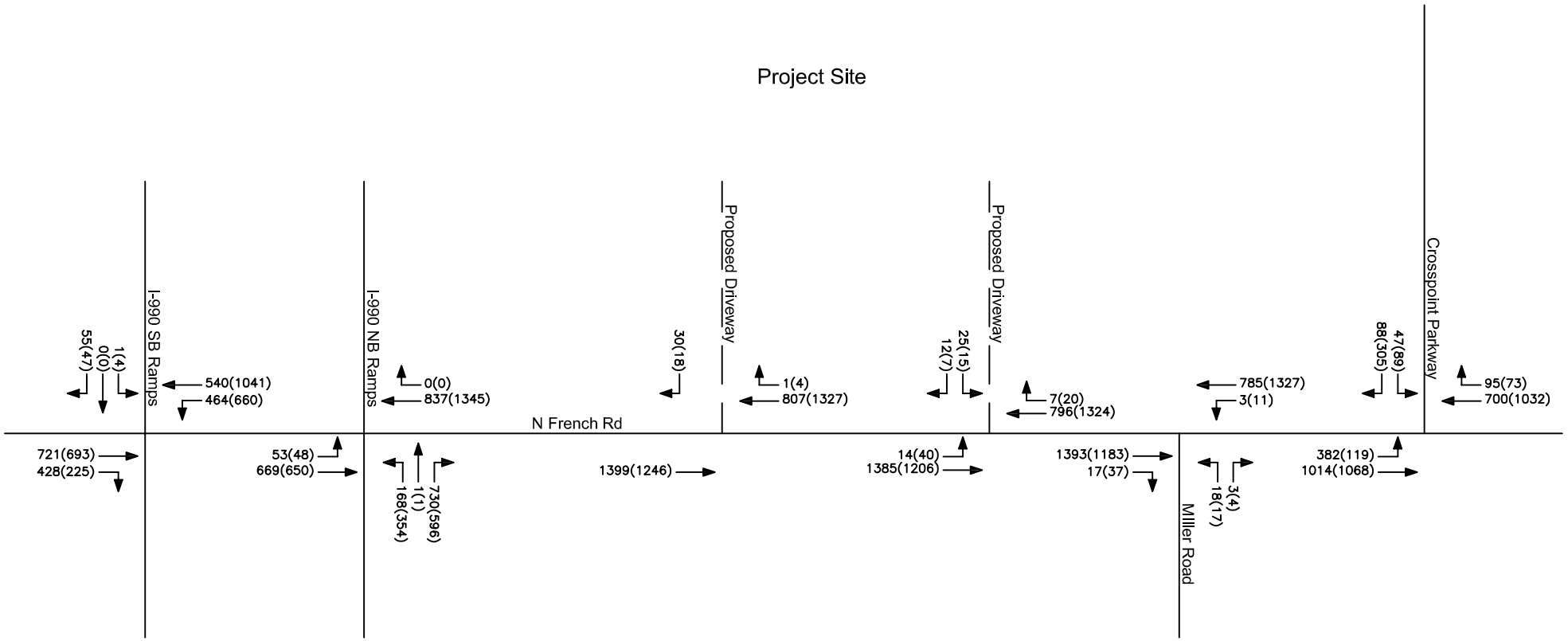
Project

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

:cess

Figure 7

PASSERO
engineering architecture



N French Road Residential Development| Town of Amherst, NY

N
NOT TO SCALE

Peak Hour Volumes
Full Development Conditions

KEY:
00(00) = AM(PM)
– – – Proposed Access

Project

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

PASSERO
engineering architecture



North French Rd Residential Development| Town of Amherst, Erie County, NY

0 50 100 200 Feet N

Left Turn Lane Concept

Proje

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

APPENDICES

APPENDIX A: EXISTING TRAFFIC COUNT DATA

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

I990 NB Ramps / French Rd - TMC

Tue Jul 26, 2022
Full Length (7 AM-9 AM, 4 PM-6 PM)
All Classes (Motorcycles, Lights, Heavy, Pedestrians, Bicycles on Crosswalk)
All Movements
ID: 974743, Location: 43.034807, -78.759085

Provided by: Tri-State Traffic Data: New York Division
1016 Hoosick Rd, Troy, NY, 12180, US

Leg / Direction	I990 NB Ramps Southbound						French Rd Westbound					
Time	R	T	L	U	App	Ped*	R	T	L	U	App	Ped*
2022-07-26 7:00AM	0	0	0	0	**0**	0	0	120	0	0	**120**	0
7:15AM	0	0	0	0	**0**	0	0	134	0	0	**134**	0
7:30AM	0	0	0	0	**0**	0	0	158	0	0	**158**	0
7:45AM	0	0	0	0	**0**	0	0	176	0	0	**176**	0
Hourly Total	0	0	0	0	**0**	0	0	588	0	0	**588**	0
8:00AM	0	0	0	0	**0**	0	0	166	0	0	**166**	0
8:15AM	0	0	0	0	**0**	0	0	164	0	0	**164**	0
8:30AM	0	0	0	0	**0**	1	0	159	0	0	**159**	0
8:45AM	0	0	0	0	**0**	0	0	144	0	0	**144**	0
Hourly Total	0	0	0	0	**0**	1	0	633	0	0	**633**	0
9:00AM	0	0	0	0	**0**	0	0	0	0	0	**0**	0
Hourly Total	0	0	0	0	**0**	0	0	0	0	0	**0**	0
4:00PM	0	0	0	0	**0**	0	0	206	0	0	**206**	0
4:15PM	0	0	0	0	**0**	0	0	199	0	0	**199**	0
4:30PM	0	0	0	0	**0**	0	0	260	0	0	**260**	0
4:45PM	0	0	0	0	**0**	0	0	195	0	0	**195**	0
Hourly Total	0	0	0	0	**0**	0	0	860	0	0	**860**	0
5:00PM	0	0	0	0	**0**	0	0	325	0	0	**325**	0
5:15PM	0	0	0	0	**0**	0	0	220	0	0	**220**	0
5:30PM	0	0	0	0	**0**	0	0	226	0	0	**226**	0
5:45PM	0	0	0	0	**0**	0	0	173	0	0	**173**	0
Hourly Total	0	0	0	0	**0**	0	0	944	0	0	**944**	0
Total	0	0	0	0	**0**	1	0	3025	0	0	**3025**	0
% Approach	0%	0%	0%	0%	**-**	-	0%	100%	0%	0%	**-**	-
% Total	0%	0%	0%	0%	**0%**	-	0%	38.5%	0%	0%	**38.5%**	-
Motorcycles	0	0	0	0	**0**	-	0	4	0	0	**4**	-
% Motorcycles	0%	0%	0%	0%	**-**	-	0%	0.1%	0%	0%	**0.1%**	-
Lights	0	0	0	0	**0**	-	0	2949	0	0	**2949**	-
% Lights	0%	0%	0%	0%	**-**	-	0%	97.5%	0%	0%	**97.5%**	-
Heavy	0	0	0	0	**0**	-	0	72	0	0	**72**	-
% Heavy	0%	0%	0%	0%	**-**	-	0%	2.4%	0%	0%	**2.4%**	-
Pedestrians	-	-	-	-	-	1	-	-	-	-	-	0
% Pedestrians	-	-	-	-	-	100%	-	-	-	-	-	-
Bicycles on Crosswalk	-	-	-	-	-	0	-	-	-	-	-	0
% Bicycles on Crosswalk	-	-	-	-	-	0%	-	-	-	-	-	-

*Pedestrians and Bicycles on Crosswalk. L: Left, R: Right, RR: Right on red, T: Thru, U: U-Turn

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

I990 NB Ramps / French Rd - TMC

Tue Jul 26, 2022
Full Length (7 AM-9 AM, 4 PM-6 PM)
All Classes (Motorcycles, Lights, Heavy, Pedestrians, Bicycles on Crosswalk)
All Movements
ID: 974743, Location: 43.034807, -78.759085

Provided by: Tri-State Traffic Data: New York Division
1016 Hoosick Rd, Troy, NY, 12180, US

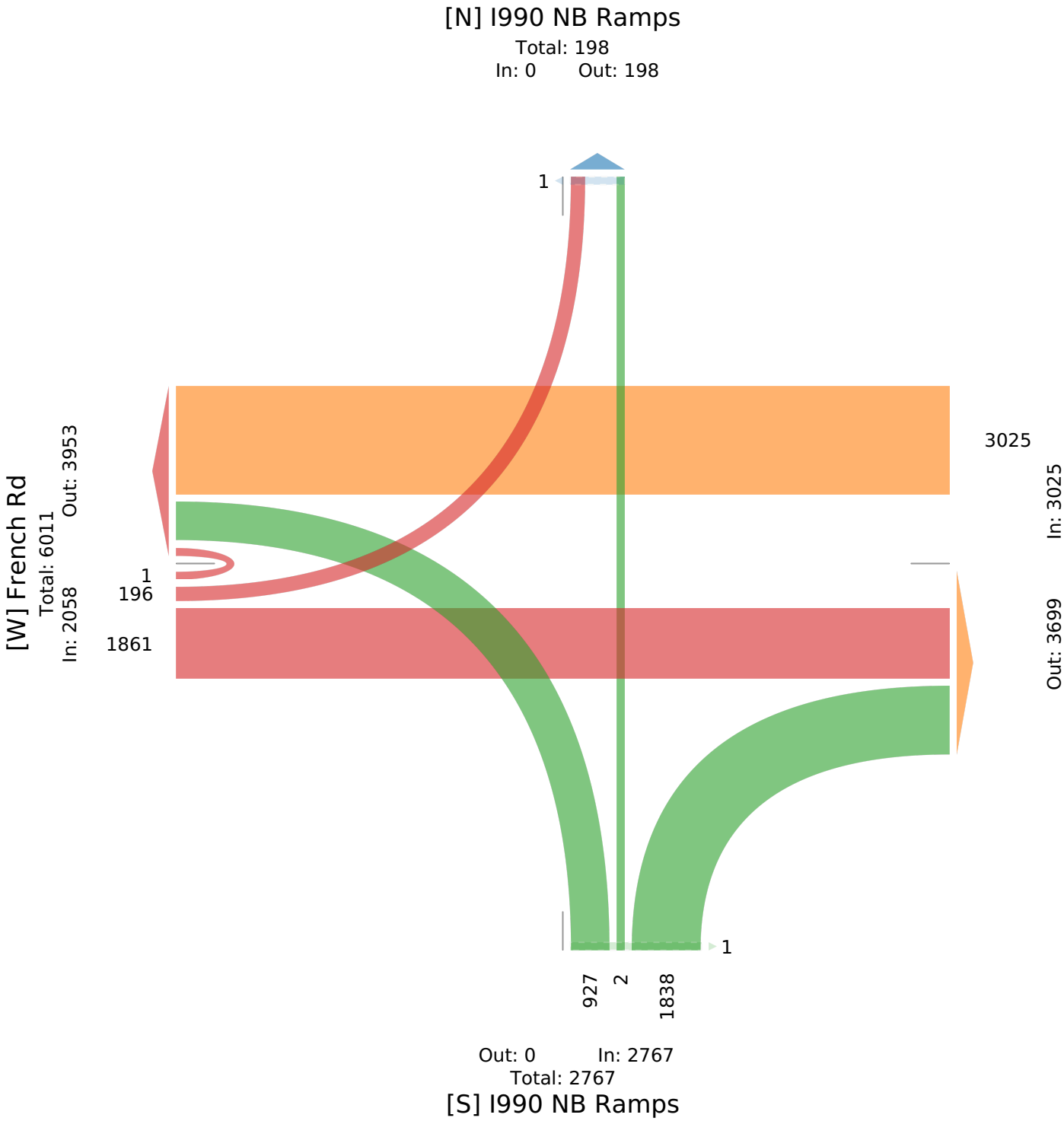
Leg	I990 NB Ramps							French Rd							
Direction	Northbound							Eastbound							
Time	R	T	L	U	RR	App	Ped*	R	T	L	U	RR	App	Ped*	Int
2022-07-26 7:00AM	13	0	27	0	40	**80**	0	0	62	8	0	0	**70**	0	**270**
7:15AM	66	0	38	0	46	**150**	0	0	97	18	0	0	**115**	0	**399**
7:30AM	60	0	30	0	60	**150**	0	0	97	10	0	0	**107**	0	**415**
7:45AM	115	0	41	0	50	**206**	0	0	110	8	0	0	**118**	0	**500**
Hourly Total	254	0	136	0	196	**586**	0	0	366	44	0	0	**410**	0	**1584**
8:00AM	58	0	42	0	49	**149**	1	0	105	7	0	0	**112**	0	**427**
8:15AM	95	0	43	0	45	**183**	0	0	133	17	0	0	**150**	0	**497**
8:30AM	58	1	30	0	51	**140**	0	0	130	17	0	0	**147**	0	**446**
8:45AM	70	0	39	0	38	**147**	0	0	131	12	0	0	**143**	0	**434**
Hourly Total	281	1	154	0	183	**619**	1	0	499	53	0	0	**552**	0	**1804**
9:00AM	0	0	0	0	0	**0**	0	0	1	0	0	0	**1**	0	**1**
Hourly Total	0	0	0	0	0	**0**	0	0	1	0	0	0	**1**	0	**1**
4:00PM	47	0	79	0	53	**179**	0	0	120	27	0	0	**147**	0	**532**
4:15PM	66	0	80	0	55	**201**	0	0	110	10	0	0	**120**	0	**520**
4:30PM	75	0	92	0	58	**225**	0	0	142	12	0	0	**154**	0	**639**
4:45PM	76	1	76	0	51	**204**	0	0	116	15	0	0	**131**	0	**530**
Hourly Total	264	1	327	0	217	**809**	0	0	488	64	0	0	**552**	0	**2221**
5:00PM	57	0	77	0	52	**186**	0	0	130	7	0	0	**137**	0	**648**
5:15PM	59	0	84	0	61	**204**	0	0	145	10	0	0	**155**	0	**579**
5:30PM	58	0	81	0	49	**188**	0	0	116	9	1	0	**126**	0	**540**
5:45PM	62	0	68	0	45	**175**	0	0	116	9	0	0	**125**	0	**473**
Hourly Total	236	0	310	0	207	**753**	0	0	507	35	1	0	**543**	0	**2240**
Total	1035	2	927	0	803	**2767**	1	0	1861	196	1	0	**2058**	0	**7850**
% Approach	37.4%	0.1%	33.5%	0%	29.0%	**-**	-	0%	90.4%	9.5%	0%	0%	**-**	-	-
% Total	13.2%	0%	11.8%	0%	10.2%	**35.2%**	-	0%	23.7%	2.5%	0%	0%	**26.2%**	-	-
Motorcycles	0	1	4	0	2	**7**	-	0	9	0	0	0	**9**	-	20
% Motorcycles	0%	50.0%	0.4%	0%	0.2%	**0.3%**	-	0%	0.5%	0%	0%	0%	**0.4%**	-	0.3%
Lights	1004	1	864	0	787	**2656**	-	0	1814	194	1	0	**2009**	-	7614
% Lights	97.0%	50.0%	93.2%	0%	98.0%	**96.0%**	-	0%	97.5%	99.0%	100%	0%	**97.6%**	-	97.0%
Heavy	31	0	59	0	14	**104**	-	0	38	2	0	0	**40**	-	216
% Heavy	3.0%	0%	6.4%	0%	1.7%	**3.8%**	-	0%	2.0%	1.0%	0%	0%	**1.9%**	-	2.8%
Pedestrians	-	-	-	-	-	-	0	-	-	-	-	-	-	0	
% Pedestrians	-	-	-	-	-	-	0%	-	-	-	-	-	-	-	-
Bicycles on Crosswalk	-	-	-	-	-	-	1	-	-	-	-	-	-	0	
% Bicycles on Crosswalk	-	-	-	-	-	-	100%	-	-	-	-	-	-	-	-

*Pedestrians and Bicycles on Crosswalk. L: Left, R: Right, RR: Right on red, T: Thru, U: U-Turn

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

I990 NB Ramps / French Rd - TMC
Tue Jul 26, 2022
Full Length (7 AM-9 AM, 4 PM-6 PM)
All Classes (Motorcycles, Lights, Heavy, Pedestrians, Bicycles on Crosswalk)
All Movements
ID: 974743, Location: 43.034807, -78.759085

Provided by: Tri-State Traffic Data: New York Division
1016 Hoosick Rd, Troy, NY, 12180, US



Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

I990 NB Ramps / French Rd - TMC

Tue Jul 26, 2022
AM Peak (7:45 AM - 8:45 AM)
All Classes (Motorcycles, Lights, Heavy, Pedestrians, Bicycles on Crosswalk)
All Movements
ID: 974743, Location: 43.034807, -78.759085

Provided by: Tri-State Traffic Data: New York Division
1016 Hoosick Rd, Troy, NY, 12180, US

Leg Direction	I990 NB Ramps Southbound						French Rd Westbound					
Time	R	T	L	U	**App**	Ped*	R	T	L	U	**App**	Ped*
2022-07-26 7:45AM	0	0	0	0	**0**	0	0	176	0	0	**176**	0
8:00AM	0	0	0	0	**0**	0	0	166	0	0	**166**	0
8:15AM	0	0	0	0	**0**	0	0	164	0	0	**164**	0
8:30AM	0	0	0	0	**0**	1	0	159	0	0	**159**	0
Total	0	0	0	0	**0**	1	0	665	0	0	**665**	0
% Approach	0%	0%	0%	0%	**-**	-	0%	100%	0%	0%	**-**	-
% Total	0%	0%	0%	0%	**0%**	-	0%	35.6%	0%	0%	**35.6%**	-
PHF	-	-	-	-	**-**	-	-	0.945	-	-	**0.945**	-
Motorcycles	0	0	0	0	**0**	-	0	0	0	0	**0**	-
% Motorcycles	0%	0%	0%	0%	**-**	-	0%	0%	0%	0%	**0%**	-
Lights	0	0	0	0	**0**	-	0	643	0	0	**643**	-
% Lights	0%	0%	0%	0%	**-**	-	0%	96.7%	0%	0%	**96.7%**	-
Heavy	0	0	0	0	**0**	-	0	22	0	0	**22**	-
% Heavy	0%	0%	0%	0%	**-**	-	0%	3.3%	0%	0%	**3.3%**	-
Pedestrians	-	-	-	-	-	1	-	-	-	-	-	0
% Pedestrians	-	-	-	-	-	100%	-	-	-	-	-	-
Bicycles on Crosswalk	-	-	-	-	-	0	-	-	-	-	-	0
% Bicycles on Crosswalk	-	-	-	-	-	0%	-	-	-	-	-	-

*Pedestrians and Bicycles on Crosswalk. L: Left, R: Right, RR: Right on red, T: Thru, U: U-Turn

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

I990 NB Ramps / French Rd - TMC

Tue Jul 26, 2022
AM Peak (7:45 AM - 8:45 AM)
All Classes (Motorcycles, Lights, Heavy, Pedestrians, Bicycles on Crosswalk)
All Movements
ID: 974743, Location: 43.034807, -78.759085

Provided by: Tri-State Traffic Data: New York Division
1016 Hoosick Rd, Troy, NY, 12180, US

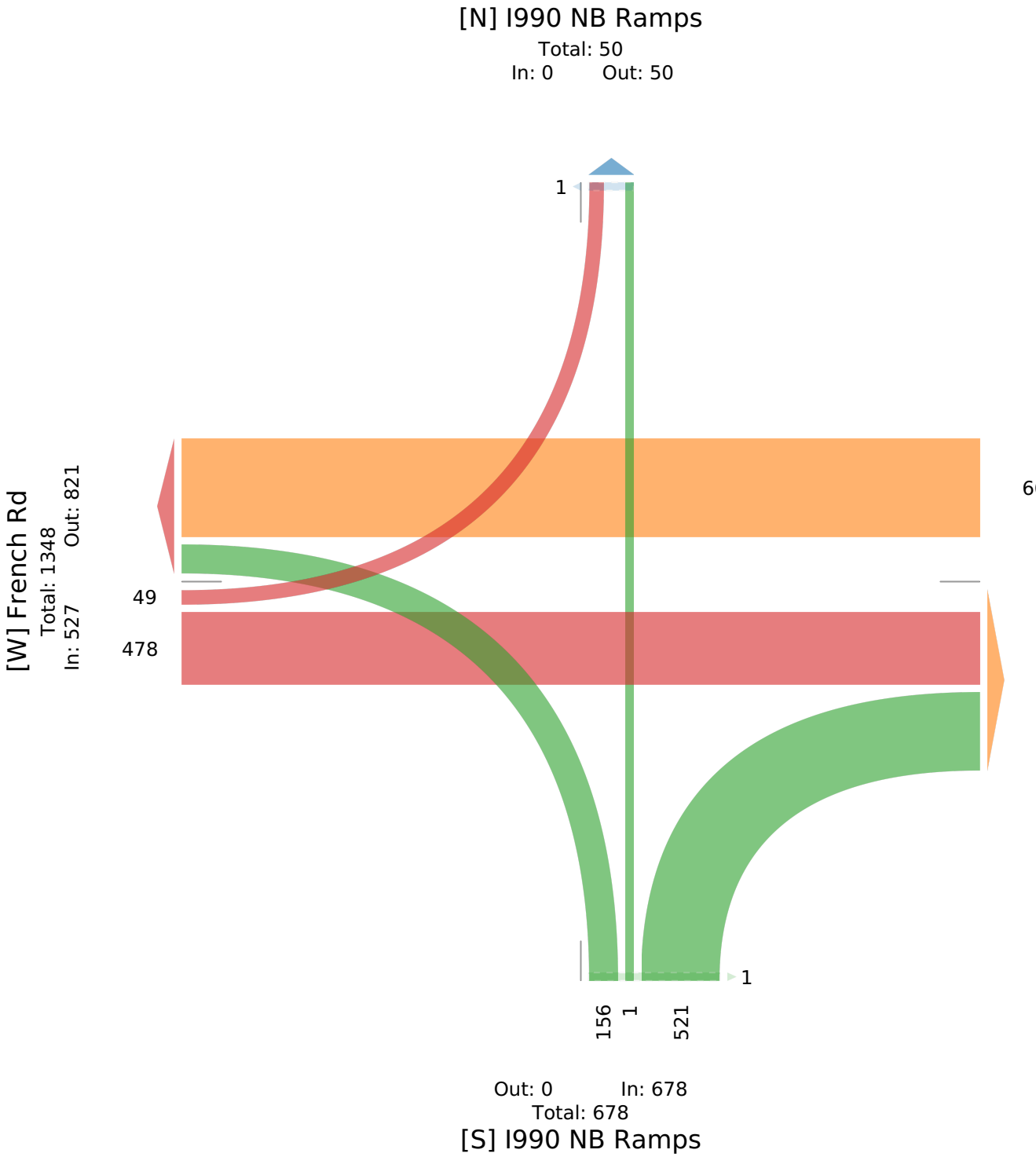
Leg Direction	I990 NB Ramps Northbound							French Rd Eastbound							
Time	R	T	L	U	RR	**App**	Ped*	R	T	L	U	RR	**App**	Ped*	**Int**
2022-07-26 7:45AM	115	0	41	0	50	**206**	0	0	110	8	0	0	**118**	0	**500**
8:00AM	58	0	42	0	49	**149**	1	0	105	7	0	0	**112**	0	**427**
8:15AM	95	0	43	0	45	**183**	0	0	133	17	0	0	**150**	0	**497**
8:30AM	58	1	30	0	51	**140**	0	0	130	17	0	0	**147**	0	**446**
Total	326	1	156	0	195	**678**	1	0	478	49	0	0	**527**	0	**1870**
% Approach	48.1%	0.1%	23.0%	0%	28.8%	**-**	-	0%	90.7%	9.3%	0%	0%	**-**	-	-
% Total	17.4%	0.1%	8.3%	0%	10.4%	**36.3%**	-	0%	25.6%	2.6%	0%	0%	**28.2%**	-	-
PHF	0.709	0.250	0.907	-	0.956	**0.823**	-	-	0.898	0.721	-	-	**0.878**	-	0.935
Motorcycles	0	0	0	0	1	**1**	-	0	2	0	0	0	**2**	-	3
% Motorcycles	0%	0%	0%	0%	0.5%	**0.1%**	-	0%	0.4%	0%	0%	0%	**0.4%**	-	0.2%
Lights	309	1	129	0	188	**627**	-	0	457	47	0	0	**504**	-	1774
% Lights	94.8%	100%	82.7%	0%	96.4%	**92.5%**	-	0%	95.6%	95.9%	0%	0%	**95.6%**	-	94.9%
Heavy	17	0	27	0	6	**50**	-	0	19	2	0	0	**21**	-	93
% Heavy	5.2%	0%	17.3%	0%	3.1%	**7.4%**	-	0%	4.0%	4.1%	0%	0%	**4.0%**	-	5.0%
Pedestrians	-	-	-	-	-	-	0	-	-	-	-	-	-	0	
% Pedestrians	-	-	-	-	-	-	0%	-	-	-	-	-	-	-	-
Bicycles on Crosswalk	-	-	-	-	-	-	1	-	-	-	-	-	-	0	
% Bicycles on Crosswalk	-	-	-	-	-	-	100%	-	-	-	-	-	-	-	-

*Pedestrians and Bicycles on Crosswalk. L: Left, R: Right, RR: Right on red, T: Thru, U: U-Turn

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

I990 NB Ramps / French Rd - TMC
Tue Jul 26, 2022
AM Peak (7:45 AM - 8:45 AM)
All Classes (Motorcycles, Lights, Heavy, Pedestrians, Bicycles on Crosswalk)
All Movements
ID: 974743, Location: 43.034807, -78.759085

Provided by: Tri-State Traffic Data: New York Division
1016 Hoosick Rd, Troy, NY, 12180, US



Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

I990 NB Ramps / French Rd - TMC

Tue Jul 26, 2022
PM Peak (4:30 PM - 5:30 PM) - Overall Peak Hour
All Classes (Motorcycles, Lights, Heavy, Pedestrians, Bicycles on Crosswalk)
All Movements
ID: 974743, Location: 43.034807, -78.759085

Provided by: Tri-State Traffic Data: New York Division
1016 Hoosick Rd, Troy, NY, 12180, US

Leg Direction	I990 NB Ramps Southbound						French Rd Westbound					
Time	R	T	L	U	**App**	Ped*	R	T	L	U	**App**	Ped*
2022-07-26 4:30PM	0	0	0	0	**0**	0	0	260	0	0	**260**	0
4:45PM	0	0	0	0	**0**	0	0	195	0	0	**195**	0
5:00PM	0	0	0	0	**0**	0	0	325	0	0	**325**	0
5:15PM	0	0	0	0	**0**	0	0	220	0	0	**220**	0
Total	0	0	0	0	**0**	0	0	1000	0	0	**1000**	0
% Approach	0%	0%	0%	0%	**-**	-	0%	100%	0%	0%	**-**	-
% Total	0%	0%	0%	0%	**0%**	-	0%	41.7%	0%	0%	**41.7%**	-
PHF	-	-	-	-	**-**	-	-	0.769	-	-	**0.769**	-
Motorcycles	0	0	0	0	**0**	-	0	3	0	0	**3**	-
% Motorcycles	0%	0%	0%	0%	**-**	-	0%	0.3%	0%	0%	**0.3%**	-
Lights	0	0	0	0	**0**	-	0	989	0	0	**989**	-
% Lights	0%	0%	0%	0%	**-**	-	0%	98.9%	0%	0%	**98.9%**	-
Heavy	0	0	0	0	**0**	-	0	8	0	0	**8**	-
% Heavy	0%	0%	0%	0%	**-**	-	0%	0.8%	0%	0%	**0.8%**	-
Pedestrians	-	-	-	-	-	0	-	-	-	-	-	0
% Pedestrians	-	-	-	-	-	-	-	-	-	-	-	-
Bicycles on Crosswalk	-	-	-	-	-	0	-	-	-	-	-	0
% Bicycles on Crosswalk	-	-	-	-	-	-	-	-	-	-	-	-

*Pedestrians and Bicycles on Crosswalk. L: Left, R: Right, RR: Right on red, T: Thru, U: U-Turn

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

I990 NB Ramps / French Rd - TMC

Tue Jul 26, 2022
PM Peak (4:30 PM - 5:30 PM) - Overall Peak Hour
All Classes (Motorcycles, Lights, Heavy, Pedestrians, Bicycles on Crosswalk)
All Movements
ID: 974743, Location: 43.034807, -78.759085

Provided by: Tri-State Traffic Data: New York Division
1016 Hoosick Rd, Troy, NY, 12180, US

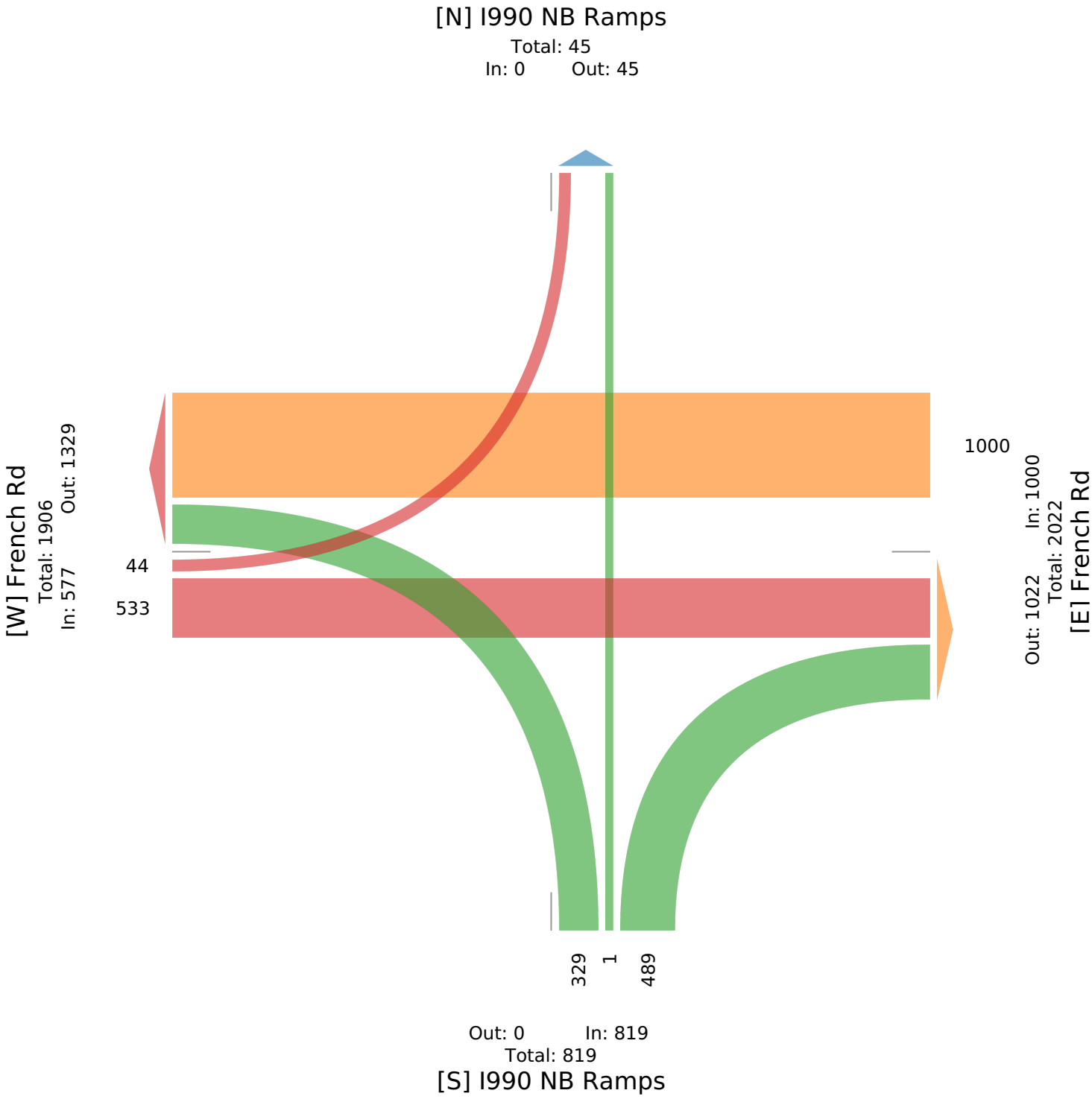
Leg / Direction	I990 NB Ramps Northbound							French Rd Eastbound							
Time	R	T	L	U	RR	**App**	Ped*	R	T	L	U	RR	**App**	Ped*	**Int**
2022-07-26 4:30PM	75	0	92	0	58	**225**	0	0	142	12	0	0	**154**	0	**639**
4:45PM	76	1	76	0	51	**204**	0	0	116	15	0	0	**131**	0	**530**
5:00PM	57	0	77	0	52	**186**	0	0	130	7	0	0	**137**	0	**648**
5:15PM	59	0	84	0	61	**204**	0	0	145	10	0	0	**155**	0	**579**
Total	267	1	329	0	222	**819**	0	0	533	44	0	0	**577**	0	**2396**
% Approach	32.6%	0.1%	40.2%	0%	27.1%	**-**	-	0%	92.4%	7.6%	0%	0%	**-**	-	-
% Total	11.1%	0%	13.7%	0%	9.3%	**34.2%**	-	0%	22.2%	1.8%	0%	0%	**24.1%**	-	-
PHF	0.878	0.250	0.894	-	0.910	**0.910**	-	-	0.919	0.733	-	-	**0.931**	-	0.924
Motorcycles	0	1	4	0	0	**5**	-	0	4	0	0	0	**4**	-	12
% Motorcycles	0%	100%	1.2%	0%	0%	**0.6%**	-	0%	0.8%	0%	0%	0%	**0.7%**	-	0.5%
Lights	261	0	319	0	221	**801**	-	0	527	44	0	0	**571**	-	2361
% Lights	97.8%	0%	97.0%	0%	99.5%	**97.8%**	-	0%	98.9%	100%	0%	0%	**99.0%**	-	98.5%
Heavy	6	0	6	0	1	**13**	-	0	2	0	0	0	**2**	-	23
% Heavy	2.2%	0%	1.8%	0%	0.5%	**1.6%**	-	0%	0.4%	0%	0%	0%	**0.3%**	-	1.0%
Pedestrians	-	-	-	-	-	-	0	-	-	-	-	-	-	0	
% Pedestrians	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bicycles on Crosswalk	-	-	-	-	-	-	0	-	-	-	-	-	-	0	
% Bicycles on Crosswalk	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

*Pedestrians and Bicycles on Crosswalk. L: Left, R: Right, RR: Right on red, T: Thru, U: U-Turn

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

I990 NB Ramps / French Rd - TMC
Tue Jul 26, 2022
PM Peak (4:30 PM - 5:30 PM) - Overall Peak Hour
All Classes (Motorcycles, Lights, Heavy, Pedestrians, Bicycles on Crosswalk)
All Movements
ID: 974743, Location: 43.034807, -78.759085

Provided by: Tri-State Traffic Data: New York Division
1016 Hoosick Rd, Troy, NY, 12180, US



Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

I990 SB Ramps / N French Rd - TMC

Tue Jul 26, 2022
Full Length (7 AM-9 AM, 4 PM-6 PM)
All Classes (Motorcycles, Lights, Heavy, Pedestrians, Bicycles on Crosswalk)
All Movements
ID: 974742, Location: 43.034796, -78.760736

Provided by: Tri-State Traffic Data: New York Division
1016 Hoosick Rd, Troy, NY, 12180, US

Leg	I990 SB Ramps							N French Rd					
Direction	Southbound							Westbound					
Time	R	T	L	U	RR	App	Ped*	R	T	L	U	App	Ped*
2022-07-26 7:00AM	3	0	0	0	3	**6**	0	0	72	73	0	**145**	0
7:15AM	5	0	2	0	7	**14**	0	0	95	77	0	**172**	0
7:30AM	3	0	0	0	13	**16**	0	0	104	89	0	**193**	0
7:45AM	7	0	1	0	2	**10**	0	0	128	90	0	**218**	0
Hourly Total	18	0	3	0	25	**46**	0	0	399	329	0	**728**	0
8:00AM	3	0	0	0	7	**10**	0	0	108	94	0	**202**	0
8:15AM	9	0	0	0	8	**17**	0	0	103	112	0	**215**	0
8:30AM	8	0	0	0	7	**15**	1	0	110	89	0	**199**	0
8:45AM	5	0	0	0	9	**14**	0	0	117	71	0	**188**	0
Hourly Total	25	0	0	0	31	**56**	1	0	438	366	0	**804**	0
4:00PM	2	0	2	0	5	**9**	0	0	165	120	0	**285**	0
4:15PM	5	0	2	0	6	**13**	0	0	221	77	0	**298**	0
4:30PM	5	0	1	0	7	**13**	0	0	217	152	0	**369**	0
4:45PM	0	0	3	0	9	**12**	0	0	195	81	0	**276**	0
Hourly Total	12	0	8	0	27	**47**	0	0	798	430	0	**1228**	0
5:00PM	0	0	0	0	11	**11**	0	0	226	186	0	**412**	0
5:15PM	3	0	0	0	8	**11**	0	0	202	110	0	**312**	0
5:30PM	5	0	0	0	9	**14**	0	0	197	107	0	**304**	0
5:45PM	4	0	0	0	2	**6**	0	0	161	85	0	**246**	0
Hourly Total	12	0	0	0	30	**42**	0	0	786	488	0	**1274**	0
6:00PM	0	0	0	0	0	**0**	0	0	0	0	0	**0**	0
Hourly Total	0	0	0	0	0	**0**	0	0	0	0	0	**0**	0
Total	67	0	11	0	113	**191**	1	0	2421	1613	0	**4034**	0
% Approach	35.1%	0%	5.8%	0%	59.2%	**-**	-	0%	60.0%	40.0%	0%	**-**	-
% Total	0.9%	0%	0.2%	0%	1.5%	**2.6%**	-	0%	33.1%	22.0%	0%	**55.1%**	-
Motorcycles	0	0	0	0	0	**0**	-	0	6	3	0	**9**	-
% Motorcycles	0%	0%	0%	0%	0%	**0%**	-	0%	0.2%	0.2%	0%	**0.2%**	-
Lights	64	0	10	0	111	**185**	-	0	2306	1563	0	**3869**	-
% Lights	95.5%	0%	90.9%	0%	98.2%	**96.9%**	-	0%	95.2%	96.9%	0%	**95.9%**	-
Heavy	3	0	1	0	2	**6**	-	0	109	47	0	**156**	-
% Heavy	4.5%	0%	9.1%	0%	1.8%	**3.1%**	-	0%	4.5%	2.9%	0%	**3.9%**	-
Pedestrians	-	-	-	-	-	-	0	-	-	-	-	-	0
% Pedestrians	-	-	-	-	-	-	0%	-	-	-	-	-	-
Bicycles on Crosswalk	-	-	-	-	-	-	1	-	-	-	-	-	0
% Bicycles on Crosswalk	-	-	-	-	-	-	100%	-	-	-	-	-	-

*Pedestrians and Bicycles on Crosswalk. L: Left, R: Right, RR: Right on red, T: Thru, U: U-Turn

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

I990 SB Ramps / N French Rd - TMC

Tue Jul 26, 2022
Full Length (7 AM-9 AM, 4 PM-6 PM)
All Classes (Motorcycles, Lights, Heavy, Pedestrians, Bicycles on Crosswalk)
All Movements
ID: 974742, Location: 43.034796, -78.760736

Provided by: Tri-State Traffic Data: New York Division
1016 Hoosick Rd, Troy, NY, 12180, US

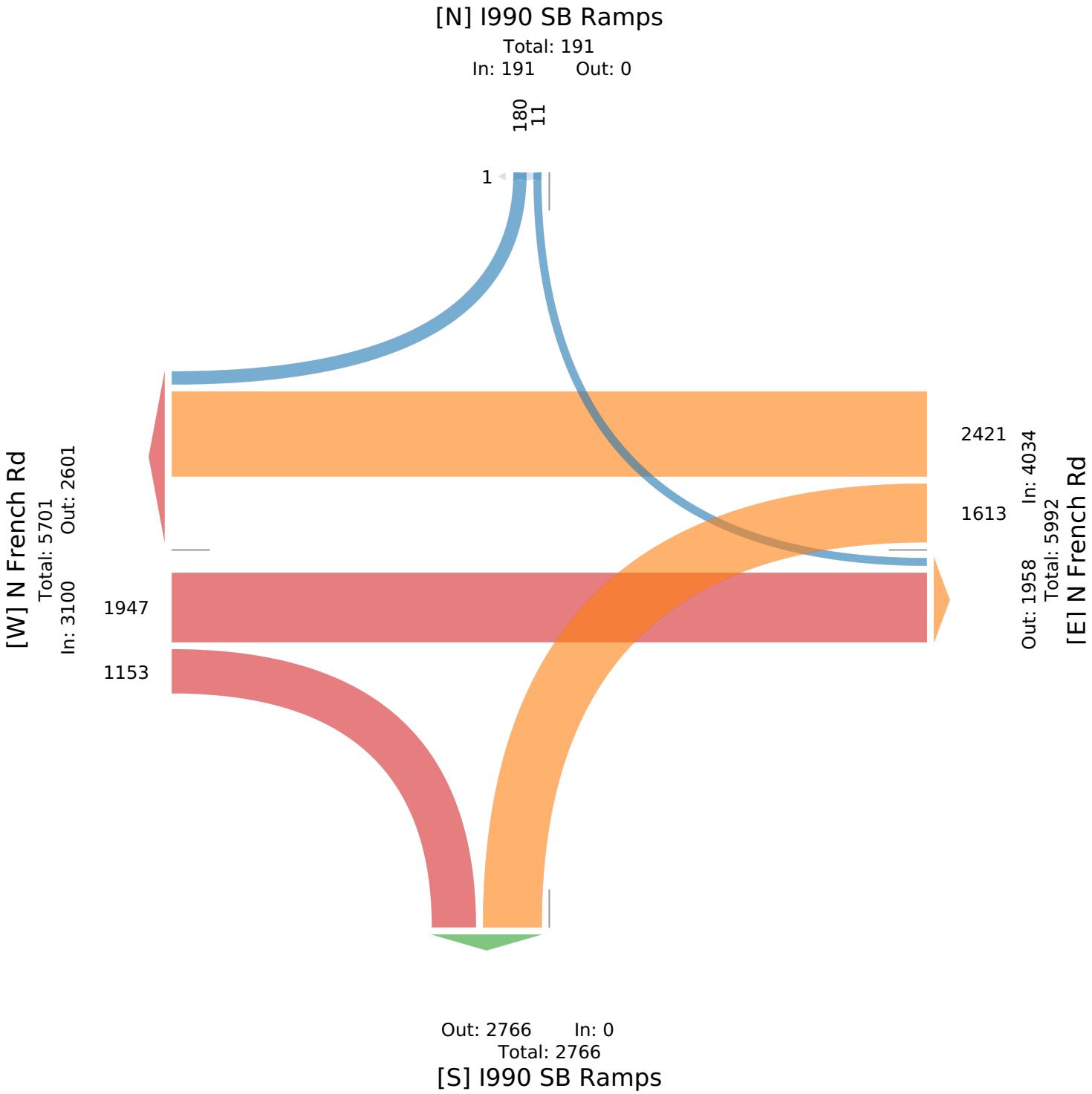
Leg	I990 SB Ramps						N French Rd							
Direction	Northbound						Eastbound							
Time	R	T	L	U	**App**	Ped*	R	T	L	U	RR	**App**	Ped*	**Int**
2022-07-26 7:00AM	0	0	0	0	**0**	0	66	67	0	0	21	**154**	0	**305**
7:15AM	0	0	0	0	**0**	0	67	97	0	0	36	**200**	0	**386**
7:30AM	0	0	0	0	**0**	0	94	107	0	0	16	**217**	0	**426**
7:45AM	0	0	0	0	**0**	0	31	115	0	0	64	**210**	0	**438**
Hourly Total	0	0	0	0	**0**	0	258	386	0	0	137	**781**	0	**1555**
8:00AM	0	0	0	0	**0**	0	49	111	0	0	42	**202**	0	**414**
8:15AM	0	0	0	0	**0**	0	71	138	0	0	32	**241**	0	**473**
8:30AM	0	0	0	0	**0**	0	70	124	0	0	38	**232**	0	**446**
8:45AM	0	0	0	0	**0**	0	14	133	0	0	48	**195**	0	**397**
Hourly Total	0	0	0	0	**0**	0	204	506	0	0	160	**870**	0	**1730**
4:00PM	0	0	0	0	**0**	0	18	129	0	0	30	**177**	0	**471**
4:15PM	0	0	0	0	**0**	0	14	131	0	0	26	**171**	0	**482**
4:30PM	0	0	0	0	**0**	0	25	133	0	0	21	**179**	0	**561**
4:45PM	0	0	0	0	**0**	0	25	132	0	0	19	**176**	0	**464**
Hourly Total	0	0	0	0	**0**	0	82	525	0	0	96	**703**	0	**1978**
5:00PM	0	0	0	0	**0**	0	25	137	0	0	26	**188**	0	**611**
5:15PM	0	0	0	0	**0**	0	29	145	0	0	39	**213**	0	**536**
5:30PM	0	0	0	0	**0**	0	27	131	0	0	27	**185**	0	**503**
5:45PM	0	0	0	0	**0**	0	11	117	0	0	32	**160**	0	**412**
Hourly Total	0	0	0	0	**0**	0	92	530	0	0	124	**746**	0	**2062**
6:00PM	0	0	0	0	**0**	0	0	0	0	0	0	**0**	0	**0**
Hourly Total	0	0	0	0	**0**	0	0	0	0	0	0	**0**	0	**0**
Total	0	0	0	0	**0**	0	636	1947	0	0	517	**3100**	0	**7325**
% Approach	0%	0%	0%	0%	**-**	-	20.5%	62.8%	0%	0%	16.7%	**-**	-	-
% Total	0%	0%	0%	0%	**0%**	-	8.7%	26.6%	0%	0%	7.1%	**42.3%**	-	-
Motorcycles	0	0	0	0	**0**	-	0	10	0	0	7	**17**	-	26
% Motorcycles	0%	0%	0%	0%	**-**	-	0%	0.5%	0%	0%	1.4%	**0.5%**	-	0.4%
Lights	0	0	0	0	**0**	-	587	1897	0	0	489	**2973**	-	7027
% Lights	0%	0%	0%	0%	**-**	-	92.3%	97.4%	0%	0%	94.6%	**95.9%**	-	95.9%
Heavy	0	0	0	0	**0**	-	49	40	0	0	21	**110**	-	272
% Heavy	0%	0%	0%	0%	**-**	-	7.7%	2.1%	0%	0%	4.1%	**3.5%**	-	3.7%
Pedestrians	-	-	-	-	-	0	-	-	-	-	-	-	0	
% Pedestrians	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bicycles on Crosswalk	-	-	-	-	-	0	-	-	-	-	-	-	0	
% Bicycles on Crosswalk	-	-	-	-	-	-	-	-	-	-	-	-	-	-

*Pedestrians and Bicycles on Crosswalk. L: Left, R: Right, RR: Right on red, T: Thru, U: U-Turn

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

I990 SB Ramps / N French Rd - TMC
Tue Jul 26, 2022
Full Length (7 AM-9 AM, 4 PM-6 PM)
All Classes (Motorcycles, Lights, Heavy, Pedestrians, Bicycles on Crosswalk)
All Movements
ID: 974742, Location: 43.034796, -78.760736

Provided by: Tri-State Traffic Data: New York Division
1016 Hoosick Rd, Troy, NY, 12180, US



Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

I990 SB Ramps / N French Rd - TMC

Tue Jul 26, 2022
AM Peak (7:45 AM - 8:45 AM)
All Classes (Motorcycles, Lights, Heavy, Pedestrians, Bicycles on Crosswalk)
All Movements
ID: 974742, Location: 43.034796, -78.760736

Provided by: Tri-State Traffic Data: New York Division
1016 Hoosick Rd, Troy, NY, 12180, US

Leg Direction	I990 SB Ramps Southbound							N French Rd Westbound					
Time	R	T	L	U	RR	**App**	Ped*	R	T	L	U	**App**	Ped*
2022-07-26 7:45AM	7	0	1	0	2	**10**	0	0	128	90	0	**218**	0
8:00AM	3	0	0	0	7	**10**	0	0	108	94	0	**202**	0
8:15AM	9	0	0	0	8	**17**	0	0	103	112	0	**215**	0
8:30AM	8	0	0	0	7	**15**	1	0	110	89	0	**199**	0
Total	27	0	1	0	24	**52**	1	0	449	385	0	**834**	0
% Approach	51.9%	0%	1.9%	0%	46.2%	**-**	-	0%	53.8%	46.2%	0%	**-**	-
% Total	1.5%	0%	0.1%	0%	1.4%	**2.9%**	-	0%	25.4%	21.7%	0%	**47.1%**	-
PHF	0.750	-	0.250	-	0.750	**0.765**	-	-	0.877	0.859	-	**0.956**	-
Motorcycles	0	0	0	0	0	**0**	-	0	1	0	0	**1**	-
% Motorcycles	0%	0%	0%	0%	0%	**0%**	-	0%	0.2%	0%	0%	**0.1%**	-
Lights	25	0	1	0	23	**49**	-	0	401	372	0	**773**	-
% Lights	92.6%	0%	100%	0%	95.8%	**94.2%**	-	0%	89.3%	96.6%	0%	**92.7%**	-
Heavy	2	0	0	0	1	**3**	-	0	47	13	0	**60**	-
% Heavy	7.4%	0%	0%	0%	4.2%	**5.8%**	-	0%	10.5%	3.4%	0%	**7.2%**	-
Pedestrians	-	-	-	-	-	-	0	-	-	-	-	-	0
% Pedestrians	-	-	-	-	-	-	0%	-	-	-	-	-	-
Bicycles on Crosswalk	-	-	-	-	-	-	1	-	-	-	-	-	0
% Bicycles on Crosswalk	-	-	-	-	-	-	100%	-	-	-	-	-	-

*Pedestrians and Bicycles on Crosswalk. L: Left, R: Right, RR: Right on red, T: Thru, U: U-Turn

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

I990 SB Ramps / N French Rd - TMC

Tue Jul 26, 2022
AM Peak (7:45 AM - 8:45 AM)
All Classes (Motorcycles, Lights, Heavy, Pedestrians, Bicycles on Crosswalk)
All Movements
ID: 974742, Location: 43.034796, -78.760736

Provided by: Tri-State Traffic Data: New York Division
1016 Hoosick Rd, Troy, NY, 12180, US

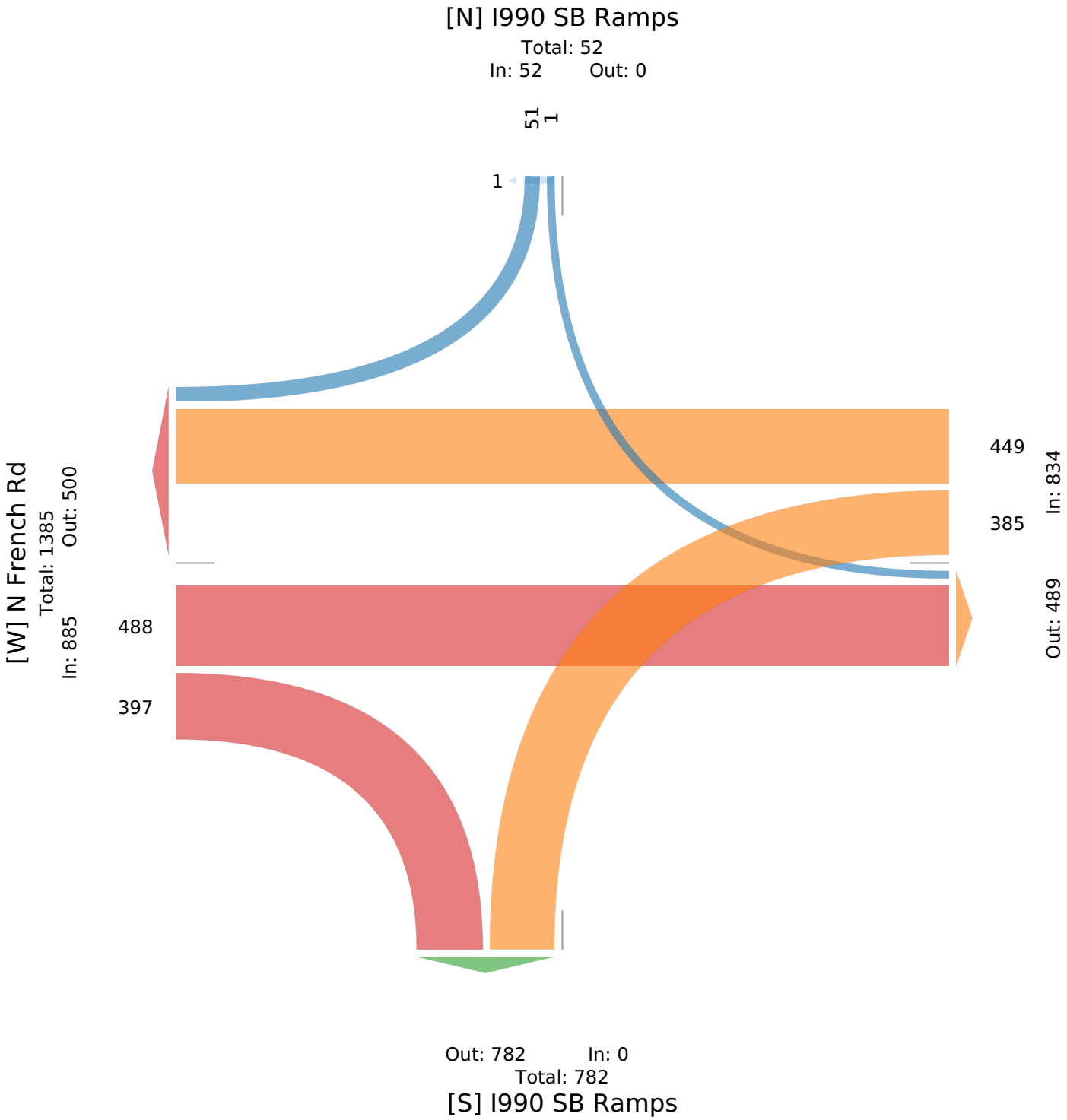
Leg / Direction	I990 SB Ramps Northbound						N French Rd Eastbound							
Time	R	T	L	U	**App**	Ped*	R	T	L	U	RR	**App**	Ped*	**Int**
2022-07-26 7:45AM	0	0	0	0	**0**	0	31	115	0	0	64	**210**	0	**438**
8:00AM	0	0	0	0	**0**	0	49	111	0	0	42	**202**	0	**414**
8:15AM	0	0	0	0	**0**	0	71	138	0	0	32	**241**	0	**473**
8:30AM	0	0	0	0	**0**	0	70	124	0	0	38	**232**	0	**446**
Total	0	0	0	0	**0**	0	221	488	0	0	176	**885**	0	**1771**
% Approach	0%	0%	0%	0%	**-**	-	25.0%	55.1%	0%	0%	19.9%	**-**	-	-
% Total	0%	0%	0%	0%	**0%**	-	12.5%	27.6%	0%	0%	9.9%	**50.0%**	-	-
PHF	-	-	-	-	**-**	-	0.778	0.884	-	-	0.688	**0.918**	-	0.936
Motorcycles	0	0	0	0	**0**	-	0	1	0	0	2	**3**	-	4
% Motorcycles	0%	0%	0%	0%	**-**	-	0%	0.2%	0%	0%	1.1%	**0.3%**	-	0.2%
Lights	0	0	0	0	**0**	-	198	470	0	0	167	**835**	-	1657
% Lights	0%	0%	0%	0%	**-**	-	89.6%	96.3%	0%	0%	94.9%	**94.4%**	-	93.6%
Heavy	0	0	0	0	**0**	-	23	17	0	0	7	**47**	-	110
% Heavy	0%	0%	0%	0%	**-**	-	10.4%	3.5%	0%	0%	4.0%	**5.3%**	-	6.2%
Pedestrians	-	-	-	-	-	0	-	-	-	-	-	-	0	
% Pedestrians	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bicycles on Crosswalk	-	-	-	-	-	0	-	-	-	-	-	-	0	
% Bicycles on Crosswalk	-	-	-	-	-	-	-	-	-	-	-	-	-	-

*Pedestrians and Bicycles on Crosswalk. L: Left, R: Right, RR: Right on red, T: Thru, U: U-Turn

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

I990 SB Ramps / N French Rd - TMC
Tue Jul 26, 2022
AM Peak (7:45 AM - 8:45 AM)
All Classes (Motorcycles, Lights, Heavy, Pedestrians, Bicycles on Crosswalk)
All Movements
ID: 974742, Location: 43.034796, -78.760736

Provided by: Tri-State Traffic Data: New York Division
1016 Hoosick Rd, Troy, NY, 12180, US



Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

I990 SB Ramps / N French Rd - TMC

Tue Jul 26, 2022
PM Peak (4:30 PM - 5:30 PM) - Overall Peak Hour
All Classes (Motorcycles, Lights, Heavy, Pedestrians, Bicycles on Crosswalk)
All Movements
ID: 974742, Location: 43.034796, -78.760736

Provided by: Tri-State Traffic Data: New York Division
1016 Hoosick Rd, Troy, NY, 12180, US

Leg Direction	I990 SB Ramps Southbound							N French Rd Westbound					
Time	R	T	L	U	RR	**App**	Ped*	R	T	L	U	**App**	Ped*
2022-07-26 4:30PM	5	0	1	0	7	**13**	0	0	217	152	0	**369**	0
4:45PM	0	0	3	0	9	**12**	0	0	195	81	0	**276**	0
5:00PM	0	0	0	0	11	**11**	0	0	226	186	0	**412**	0
5:15PM	3	0	0	0	8	**11**	0	0	202	110	0	**312**	0
Total	8	0	4	0	35	**47**	0	0	840	529	0	**1369**	0
% Approach	17.0%	0%	8.5%	0%	74.5%	**-**	-	0%	61.4%	38.6%	0%	**-**	-
% Total	0.4%	0%	0.2%	0%	1.6%	**2.2%**	-	0%	38.7%	24.4%	0%	**63.0%**	-
PHF	0.400	-	0.333	-	0.795	**0.904**	-	-	0.929	0.711	-	**0.831**	-
Motorcycles	0	0	0	0	0	**0**	-	0	3	2	0	**5**	-
% Motorcycles	0%	0%	0%	0%	0%	**0%**	-	0%	0.4%	0.4%	0%	**0.4%**	-
Lights	8	0	4	0	35	**47**	-	0	825	519	0	**1344**	-
% Lights	100%	0%	100%	0%	100%	**100%**	-	0%	98.2%	98.1%	0%	**98.2%**	-
Heavy	0	0	0	0	0	**0**	-	0	12	8	0	**20**	-
% Heavy	0%	0%	0%	0%	0%	**0%**	-	0%	1.4%	1.5%	0%	**1.5%**	-
Pedestrians	-	-	-	-	-	-	0	-	-	-	-	-	0
% Pedestrians	-	-	-	-	-	-	-	-	-	-	-	-	-
Bicycles on Crosswalk	-	-	-	-	-	-	0	-	-	-	-	-	0
% Bicycles on Crosswalk	-	-	-	-	-	-	-	-	-	-	-	-	-

*Pedestrians and Bicycles on Crosswalk. L: Left, R: Right, RR: Right on red, T: Thru, U: U-Turn

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

I990 SB Ramps / N French Rd - TMC

Tue Jul 26, 2022
PM Peak (4:30 PM - 5:30 PM) - Overall Peak Hour
All Classes (Motorcycles, Lights, Heavy, Pedestrians, Bicycles on Crosswalk)
All Movements
ID: 974742, Location: 43.034796, -78.760736

Provided by: Tri-State Traffic Data: New York Division
1016 Hoosick Rd, Troy, NY, 12180, US

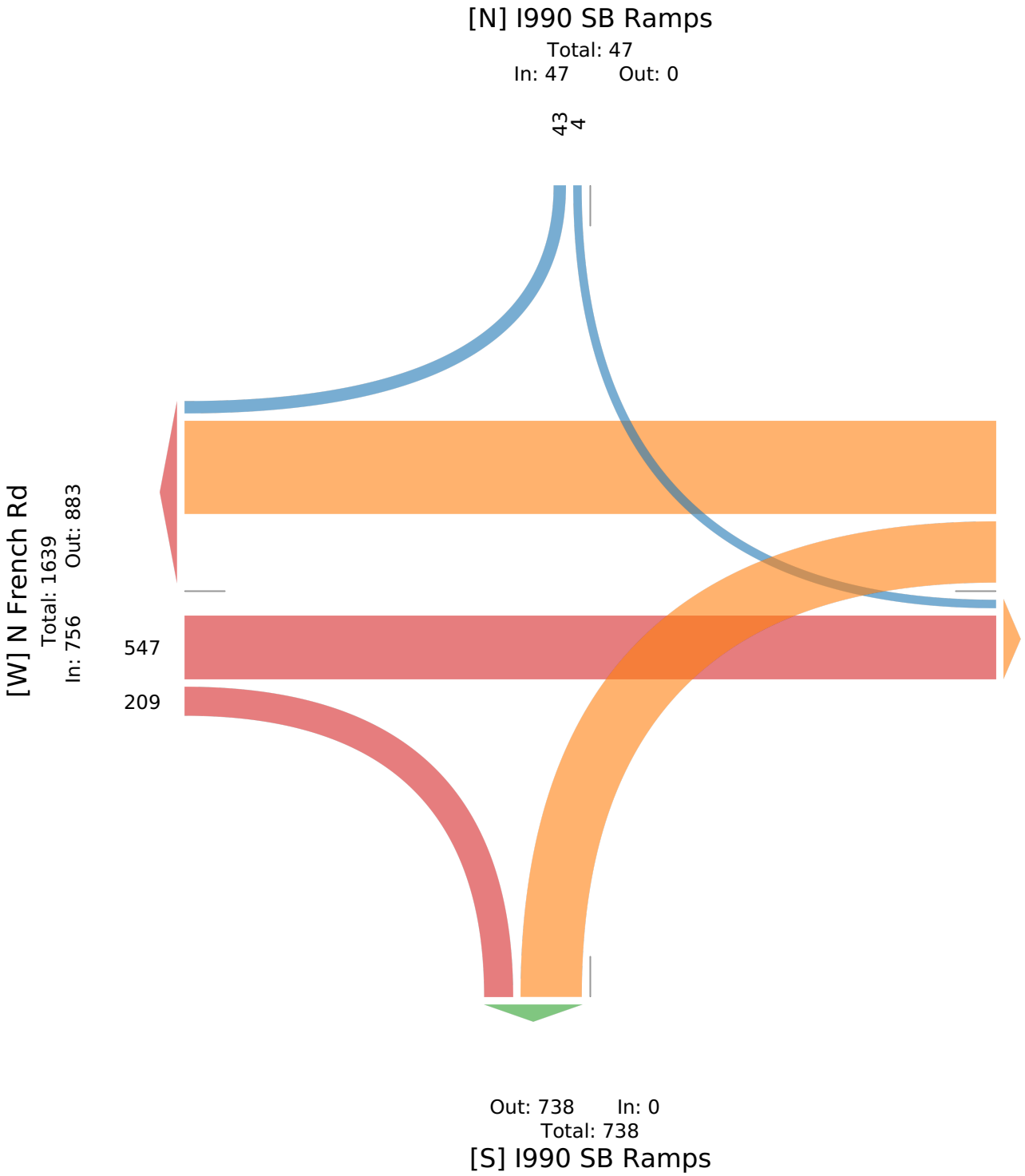
Leg Direction	I990 SB Ramps Northbound						N French Rd Eastbound							
Time	R	T	L	U	**App**	Ped*	R	T	L	U	RR	**App**	Ped*	**Int**
2022-07-26 4:30PM	0	0	0	0	**0**	0	25	133	0	0	21	**179**	0	**561**
4:45PM	0	0	0	0	**0**	0	25	132	0	0	19	**176**	0	**464**
5:00PM	0	0	0	0	**0**	0	25	137	0	0	26	**188**	0	**611**
5:15PM	0	0	0	0	**0**	0	29	145	0	0	39	**213**	0	**536**
Total	0	0	0	0	**0**	0	104	547	0	0	105	**756**	0	**2172**
% Approach	0%	0%	0%	0%	**-**	-	13.8%	72.4%	0%	0%	13.9%	**-**	-	-
% Total	0%	0%	0%	0%	**0%**	-	4.8%	25.2%	0%	0%	4.8%	**34.8%**	-	-
PHF	-	-	-	-	**-**	-	0.897	0.943	-	-	0.673	**0.887**	-	0.889
Motorcycles	0	0	0	0	**0**	-	0	2	0	0	1	**3**	-	8
% Motorcycles	0%	0%	0%	0%	**-**	-	0%	0.4%	0%	0%	1.0%	**0.4%**	-	0.4%
Lights	0	0	0	0	**0**	-	98	542	0	0	99	**739**	-	2130
% Lights	0%	0%	0%	0%	**-**	-	94.2%	99.1%	0%	0%	94.3%	**97.8%**	-	98.1%
Heavy	0	0	0	0	**0**	-	6	3	0	0	5	**14**	-	34
% Heavy	0%	0%	0%	0%	**-**	-	5.8%	0.5%	0%	0%	4.8%	**1.9%**	-	1.6%
Pedestrians	-	-	-	-	-	0	-	-	-	-	-	-	0	
% Pedestrians	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bicycles on Crosswalk	-	-	-	-	-	0	-	-	-	-	-	-	0	
% Bicycles on Crosswalk	-	-	-	-	-	-	-	-	-	-	-	-	-	-

*Pedestrians and Bicycles on Crosswalk. L: Left, R: Right, RR: Right on red, T: Thru, U: U-Turn

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

I990 SB Ramps / N French Rd - TMC
Tue Jul 26, 2022
PM Peak (4:30 PM - 5:30 PM) - Overall Peak Hour
All Classes (Motorcycles, Lights, Heavy, Pedestrians, Bicycles on Crosswalk)
All Movements
ID: 974742, Location: 43.034796, -78.760736

Provided by: Tri-State Traffic Data: New York Division
1016 Hoosick Rd, Troy, NY, 12180, US



Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

PASSERO ASSOCIATES

242 W Main St, Suite 100
Rochester, New York 14614

File Name : Not Named 1
Site Code : 20233626
Start Date : 7/11/2023
Page No : 1

Groups Printed- Unshifted - Bank 1

	From North					N French Rd From East					Miller Rd From South					N French Rd From West					
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Int. Total
07:00 AM	0	0	0	0	0	0	113	1	0	114	0	0	4	0	4	0	181	0	0	181	299
07:15 AM	0	0	0	0	0	0	156	0	0	156	0	0	1	0	1	2	250	0	0	252	409
07:30 AM	0	0	0	0	0	0	164	0	0	164	3	0	4	0	7	3	313	0	0	316	487
07:45 AM	0	0	0	0	0	0	173	0	0	173	0	0	8	0	8	5	370	0	0	375	556
Total	0	0	0	0	0	0	606	1	0	607	3	0	17	0	20	10	1114	0	0	1124	1751
08:00 AM	0	0	0	0	0	0	170	1	0	171	0	0	1	0	1	4	282	0	0	286	458
08:15 AM	0	0	0	0	0	0	169	1	0	170	3	0	2	0	5	4	306	0	0	310	485
08:30 AM	0	0	0	0	0	0	172	1	0	173	0	0	6	0	6	3	316	0	0	319	498
08:45 AM	0	0	0	0	0	0	167	2	0	169	1	0	6	0	7	1	321	0	0	322	498
Total	0	0	0	0	0	0	678	5	0	683	4	0	15	0	19	12	1225	0	0	1237	1939
Grand Total	0	0	0	0	0	0	1284	6	0	1290	7	0	32	0	39	22	2339	0	0	2361	3690
Apprch %	0	0	0	0		0	99.5	0.5	0		17.9	0	82.1	0		0.9	99.1	0	0		
Total %	0	0	0	0	0	0	34.8	0.2	0	35	0.2	0	0.9	0	1.1	0.6	63.4	0	0	64	
Unshifted	0	0	0	0	0	0	1241										2302				
% Unshifted	0	0	0	0	0	0	96.7	100	0	96.7	100	0	93.8	0	94.9	95.5	98.4	0	0	98.4	97.8
Bank 1	0	0	0	0	0	0	43	0	0	43	0	0	2	0	2	1	37	0	0	38	83
% Bank 1	0	0	0	0	0	0	3.3	0	0	3.3	0	0	6.2	0	5.1	4.5	1.6	0	0	1.6	2.2

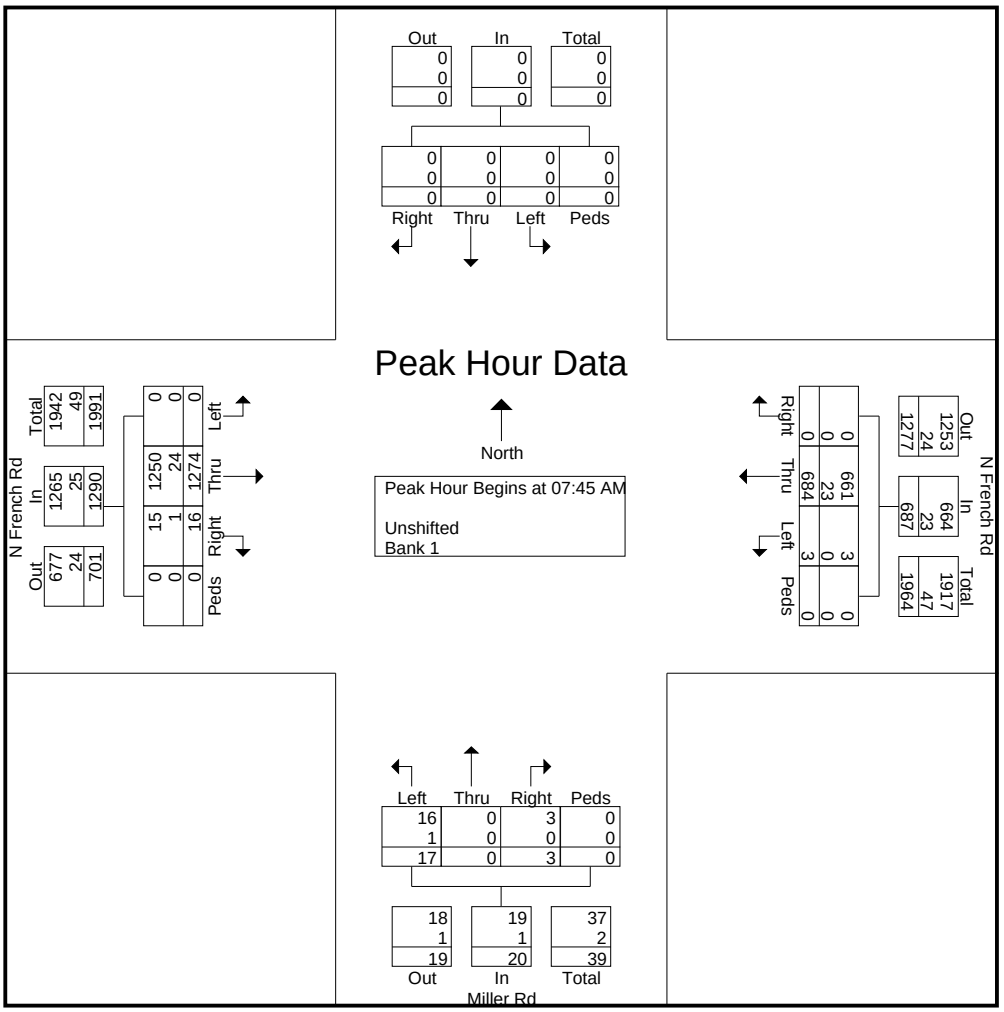
Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

PASSERO ASSOCIATES

242 W Main St, Suite 100
Rochester, New York 14614

File Name : Not Named 1
Site Code : 20233626
Start Date : 7/11/2023
Page No : 2

Start Time	From North					N French Rd From East					Miller Rd From South					N French Rd From West					
	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Int. Total
Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 07:45 AM																					
07:45 AM	0	0	0	0	0	0	**173**	0	0	**173**	0	0	**8**	0	**8**	**5**	**370**	0	0	**375**	**556**
08:00 AM	0	0	0	0	0	0	170	**1**	0	171	0	0	1	0	1	4	282	0	0	286	458
08:15 AM	0	0	0	0	0	0	169	1	0	170	**3**	0	2	0	5	4	306	0	0	310	485
08:30 AM	0	0	0	0	0	0	172	1	0	173	0	0	6	0	6	3	316	0	0	319	498
Total Volume	0	0	0	0	0	0	684	3	0	687	3	0	17	0	20	16	1274	0	0	1290	1997
% App. Total	0	0	0	0		0	99.6	0.4	0		15	0	85	0		1.2	98.8	0	0		
PHF	.000	.000	.000	.000	.000	.000	.988	.750	.000	.993	.250	.000	.531	.000	.625	.800	.861	.000	.000	.860	.898
Unshifted	0	0	0	0	0	0	661	3	0	664	3	0	16	0	19	15	1250				
% Unshifted	0	0	0	0	0	0	96.6	100	0	96.7	100	0	94.1	0	95.0	93.8	98.1	0	0	98.1	97.5
Bank 1	0	0	0	0	0	0	23	0	0	23	0	0	1	0	1	1	24	0	0	25	49
% Bank 1	0	0	0	0	0	0	3.4	0	0	3.3	0	0	5.9	0	5.0	6.3	1.9	0	0	1.9	2.5



Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

PASSERO ASSOCIATES

242 W Main St, Suite 100
Rochester, New York 14614

File Name : N French Rd-Miller Rd PM Peak
Site Code : 20233626
Start Date : 7/11/2023
Page No : 1

Groups Printed- Unshifted - Bank 1

	From North					N French Rd From East					Miller Rd From South					N French Rd From West					
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Int. Total
04:00 PM	0	0	0	0	0	0	257	1	0	258	0	0	4	0	4	10	237	0	0	247	509
04:15 PM	0	0	0	0	0	0	233	0	0	233	1	0	3	0	4	7	212	0	0	219	456
04:30 PM	0	0	0	0	0	0	313	2	0	315	1	0	4	0	5	7	242	0	0	249	569
04:45 PM	0	0	0	0	0	0	280	1	0	281	0	0	4	0	4	9	289	0	0	298	583
Total	0	0	0	0	0	0	1083	4	0	1087	2	0	15	0	17	33	980	0	0	1013	2117
05:00 PM	0	0	0	0	0	0	350	4	0	354	1	0	4	0	5	6	243	0	0	249	608
05:15 PM	0	0	0	0	0	0	255	3	0	258	1	0	4	0	5	13	277	0	0	290	553
05:30 PM	0	0	0	0	0	0	321	6	0	327	2	0	1	0	3	13	237	0	0	250	580
05:45 PM	0	0	0	0	0	0	207	2	0	209	1	0	3	0	4	7	239	0	0	246	459
Total	0	0	0	0	0	0	1133	15	0	1148	5	0	12	0	17	39	996	0	0	1035	2200
Grand Total	0	0	0	0	0	0	2216	19	0	2235	7	0	27	0	34	72	1976	0	0	2048	4317
Apprch %	0	0	0	0		0	99.1	0.9	0		20.6	0	79.4	0		3.5	96.5	0	0		
Total %	0	0	0	0	0	0	51.3	0.4	0	51.8	0.2	0	0.6	0	0.8	1.7	45.8	0	0	47.4	
Unshifted	0	0	0	0	0	0	2204										1946				
% Unshifted	0	0	0	0	0	0	99.5	100	0	99.5	100	0	100	0	100	100	98.5	0	0	98.5	99
Bank 1	0	0	0	0	0	0	12	0	0	12	0	0	0	0	0	0	30	0	0	30	42
% Bank 1	0	0	0	0	0	0	0.5	0	0	0.5	0	0	0	0	0	0	1.5	0	0	1.5	1

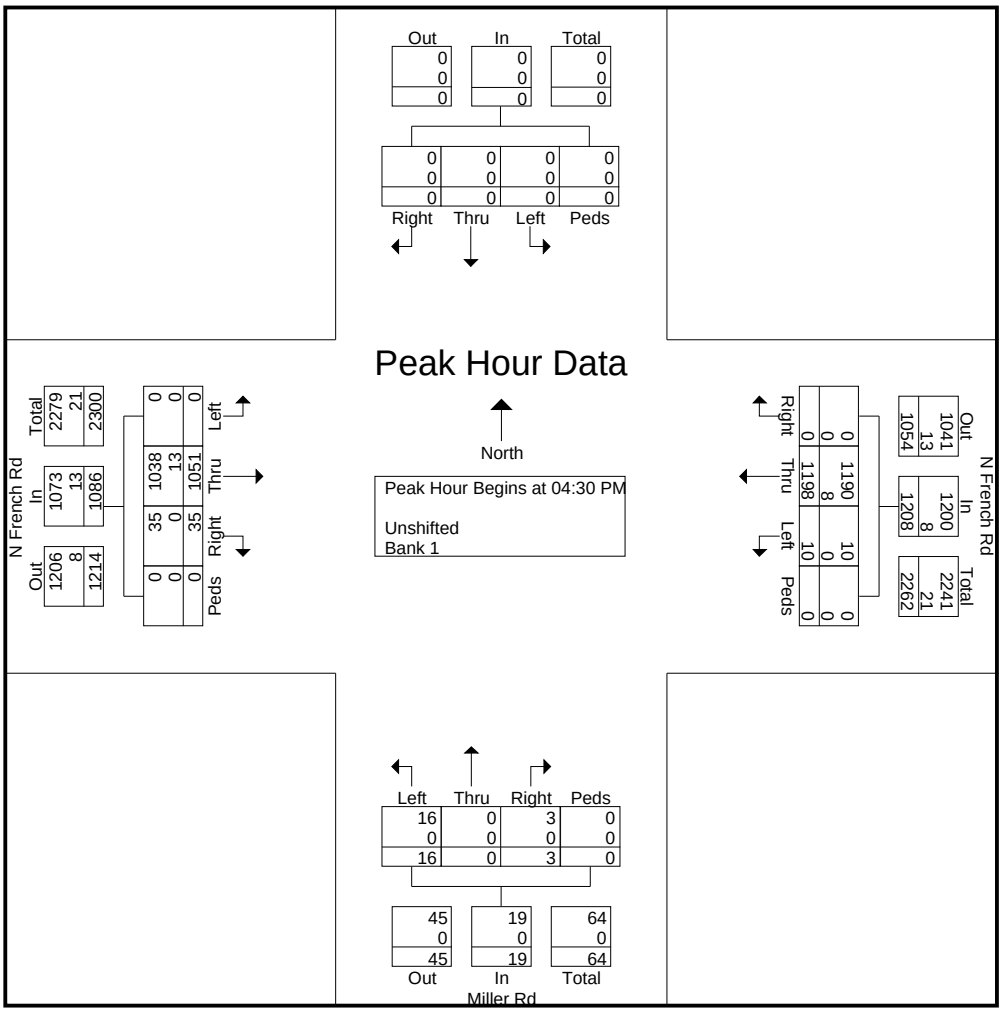
Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

PASSERO ASSOCIATES

242 W Main St, Suite 100
Rochester, New York 14614

File Name : N French Rd-Miller Rd PM Peak
Site Code : 20233626
Start Date : 7/11/2023
Page No : 2

Start Time	From North					N French Rd From East					Miller Rd From South					N French Rd From West					Int. Total
	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	
Peak Hour Analysis From 04:30 PM to 05:15 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 04:30 PM																					
04:30 PM	0	0	0	0	0	0	313	2	0	315	**1**	0	**4**	0	**5**	7	242	0	0	249	569
04:45 PM	0	0	0	0	0	0	280	1	0	281	0	0	4	0	4	9	**289**	0	0	**298**	583
05:00 PM	0	0	0	0	0	0	**350**	**4**	0	**354**	1	0	4	0	5	6	243	0	0	249	**608**
05:15 PM	0	0	0	0	0	0	255	3	0	258	1	0	4	0	5	**13**	277	0	0	290	553
Total Volume	0	0	0	0	0	0	1198	10	0	1208	3	0	16	0	19	35	1051	0	0	1086	2313
% App. Total	0	0	0	0		0	99.2	0.8	0		15.8	0	84.2	0		3.2	96.8	0	0		
PHF	.000	.000	.000	.000	.000	.000	.856	.625	.000	.853	.750	.000	1.00	.000	.950	.673	.909	.000	.000	.911	.951
Unshifted	0	0	0	0	0	0	1190										1038				
% Unshifted	0	0	0	0	0	0	99.3	100	0	99.3	100	0	100	0	100	100	98.8	0	0	98.8	99.1
Bank 1	0	0	0	0	0	0	8	0	0	8	0	0	0	0	0	0	13	0	0	13	21
% Bank 1	0	0	0	0	0	0	0.7	0	0	0.7	0	0	0	0	0	0	1.2	0	0	1.2	0.9



Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

N.French Rd/Crosspoint Pkwy - TMC

Wed Oct 6, 2021
Full Length (7 AM-9 AM, 4 PM-6 PM)
All Classes (Motorcycles, Lights, Heavy, Pedestrians, Bicycles on Road, Bicycles on Crosswalk)
All Movements
ID: 884255, Location: 43.03478, -78.750784

Provided by: Tri-State Traffic Data: New York Division
1016 Hoosick Rd, Troy, NY, 12180, US

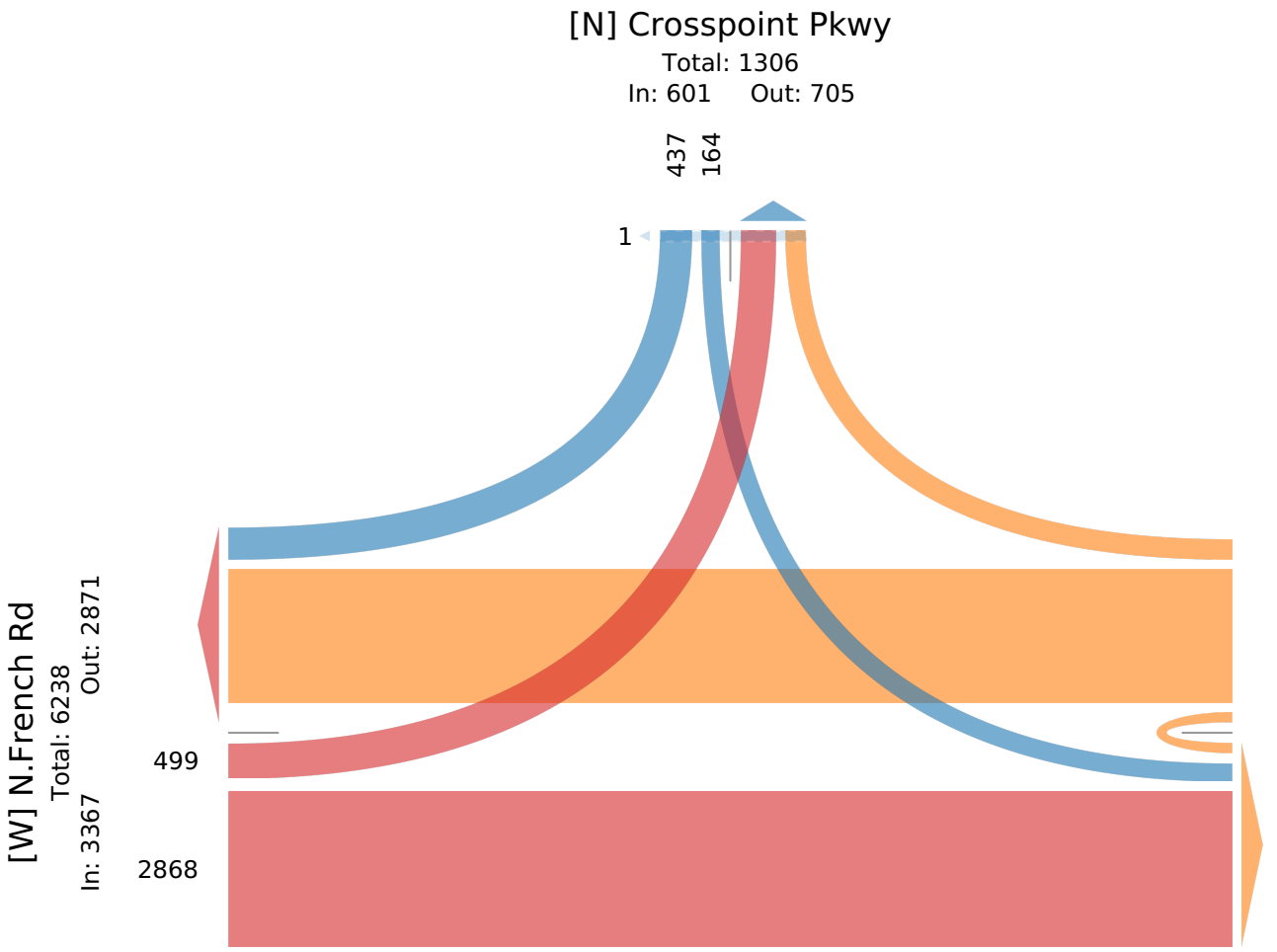
Leg / Direction	Crosspoint Pkwy Southbound						N.French Rd Westbound						N.French Rd Eastbound					
Time	R	L	U	RR	App	Ped*	R	T	U	RR	App	Ped*	T	L	U	App	Ped*	Int
2021-10-06 7:00AM	5	6	0	6	**17**	0	11	123	0	3	**137**	0	103	17	0	**120**	0	**274**
7:15AM	5	2	0	5	**12**	0	13	192	0	1	**206**	0	182	24	0	**206**	0	**424**
7:30AM	10	8	0	3	**21**	0	9	177	0	3	**189**	0	179	44	0	**223**	0	**433**
7:45AM	12	8	0	3	**23**	1	18	187	0	6	**211**	0	171	76	0	**247**	0	**481**
Hourly Total	32	24	0	17	**73**	1	51	679	0	13	**743**	0	635	161	0	**796**	0	**1612**
8:00AM	8	4	0	5	**17**	0	19	130	0	4	**153**	0	138	61	0	**199**	0	**369**
8:15AM	6	6	0	6	**18**	0	15	156	0	1	**172**	0	154	52	0	**206**	0	**396**
8:30AM	4	3	0	6	**13**	0	13	140	0	3	**156**	0	150	42	0	**192**	0	**361**
8:45AM	2	8	0	8	**18**	0	8	124	0	7	**139**	0	127	40	0	**167**	0	**324**
Hourly Total	20	21	0	25	**66**	0	55	550	0	15	**620**	0	569	195	0	**764**	0	**1450**
9:00AM	0	0	0	0	**0**	0	0	0	0	0	**0**	0	0	0	0	**0**	0	**0**
Hourly Total	0	0	0	0	**0**	0	0	0	0	0	**0**	0	0	0	0	**0**	0	**0**
4:00PM	13	8	0	23	**44**	0	9	143	0	2	**154**	0	212	14	0	**226**	0	**424**
4:15PM	10	7	0	24	**41**	0	6	151	0	0	**157**	0	195	21	0	**216**	0	**414**
4:30PM	33	23	0	34	**90**	0	3	157	1	0	**161**	0	200	23	0	**223**	0	**474**
4:45PM	8	10	0	26	**44**	0	6	136	0	1	**143**	0	218	16	0	**234**	0	**421**
Hourly Total	64	48	0	107	**219**	0	24	587	1	3	**615**	0	825	74	0	**899**	0	**1733**
5:00PM	38	19	0	15	**72**	0	9	164	0	6	**179**	0	221	9	0	**230**	0	**481**
5:15PM	14	15	0	17	**46**	0	7	149	0	3	**159**	0	219	16	0	**235**	0	**440**
5:30PM	24	22	0	33	**79**	0	8	166	0	3	**177**	0	205	28	0	**233**	0	**489**
5:45PM	9	15	0	22	**46**	0	5	139	0	4	**148**	0	194	16	0	**210**	0	**404**
Hourly Total	85	71	0	87	**243**	0	29	618	0	16	**663**	0	839	69	0	**908**	0	**1814**
Total	201	164	0	236	**601**	1	159	2434	1	47	**2641**	0	2868	499	0	**3367**	0	**6609**
% Approach	33.4%	27.3%	0%	39.3%	**-**	-	6.0%	92.2%	0%	1.8%	**-**	-	85.2%	14.8%	0%	**-**	-	-
% Total	3.0%	2.5%	0%	3.6%	**9.1%**	-	2.4%	36.8%	0%	0.7%	**40.0%**	-	43.4%	7.6%	0%	**50.9%**	-	-
Motorcycles	0	1	0	0	**1**	-	0	4	0	0	**4**	-	8	0	0	**8**	-	13
% Motorcycles	0%	0.6%	0%	0%	**0.2%**	-	0%	0.2%	0%	0%	**0.2%**	-	0.3%	0%	0%	**0.2%**	-	0.2%
Lights	197	156	0	230	**583**	-	151	2361	1	46	**2559**	-	2781	495	0	**3276**	-	6418
% Lights	98.0%	95.1%	0%	97.5%	**97.0%**	-	95.0%	97.0%	100%	97.9%	**96.9%**	-	97.0%	99.2%	0%	**97.3%**	-	97.1%
Heavy	4	7	0	6	**17**	-	8	69	0	1	**78**	-	79	4	0	**83**	-	178
% Heavy	2.0%	4.3%	0%	2.5%	**2.8%**	-	5.0%	2.8%	0%	2.1%	**3.0%**	-	2.8%	0.8%	0%	**2.5%**	-	2.7%
Bicycles on Road	0	0	0	0	**0**	-	0	0	0	0	**0**	-	0	0	0	**0**	-	0
% Bicycles on Road	0%	0%	0%	0%	**0%**	-	0%	0%	0%	0%	**0%**	-	0%	0%	0%	**0%**	-	0%
Pedestrians	-	-	-	-	-	0	-	-	-	-	-	0	-	-	-	-	0	
% Pedestrians	-	-	-	-	-	0%	-	-	-	-	-	-	-	-	-	-	-	-
Bicycles on Crosswalk	-	-	-	-	-	1	-	-	-	-	-	0	-	-	-	-	0	
% Bicycles on Crosswalk	-	-	-	-	-	100%	-	-	-	-	-	-	-	-	-	-	-	-

*Pedestrians and Bicycles on Crosswalk. L: Left, R: Right, RR: Right on red, T: Thru, U: U-Turn

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

N.French Rd/Crosspoint Pkwy - TMC
Wed Oct 6, 2021
Full Length (7 AM-9 AM, 4 PM-6 PM)
All Classes (Motorcycles, Lights, Heavy, Pedestrians, Bicycles on Road, Bicycles on Crosswalk)
All Movements
ID: 884255, Location: 43.03478, -78.750784

Provided by: Tri-State Traffic Data: New York Division
1016 Hoosick Rd, Troy, NY, 12180, US



Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

N.French Rd/Crosspoint Pkwy - TMC

Wed Oct 6, 2021
AM Peak (7:15 AM - 8:15 AM)
All Classes (Motorcycles, Lights, Heavy, Pedestrians, Bicycles on Road, Bicycles on Crosswalk)
All Movements
ID: 884255, Location: 43.03478, -78.750784

Provided by: Tri-State Traffic Data: New York Division
1016 Hoosick Rd, Troy, NY, 12180, US

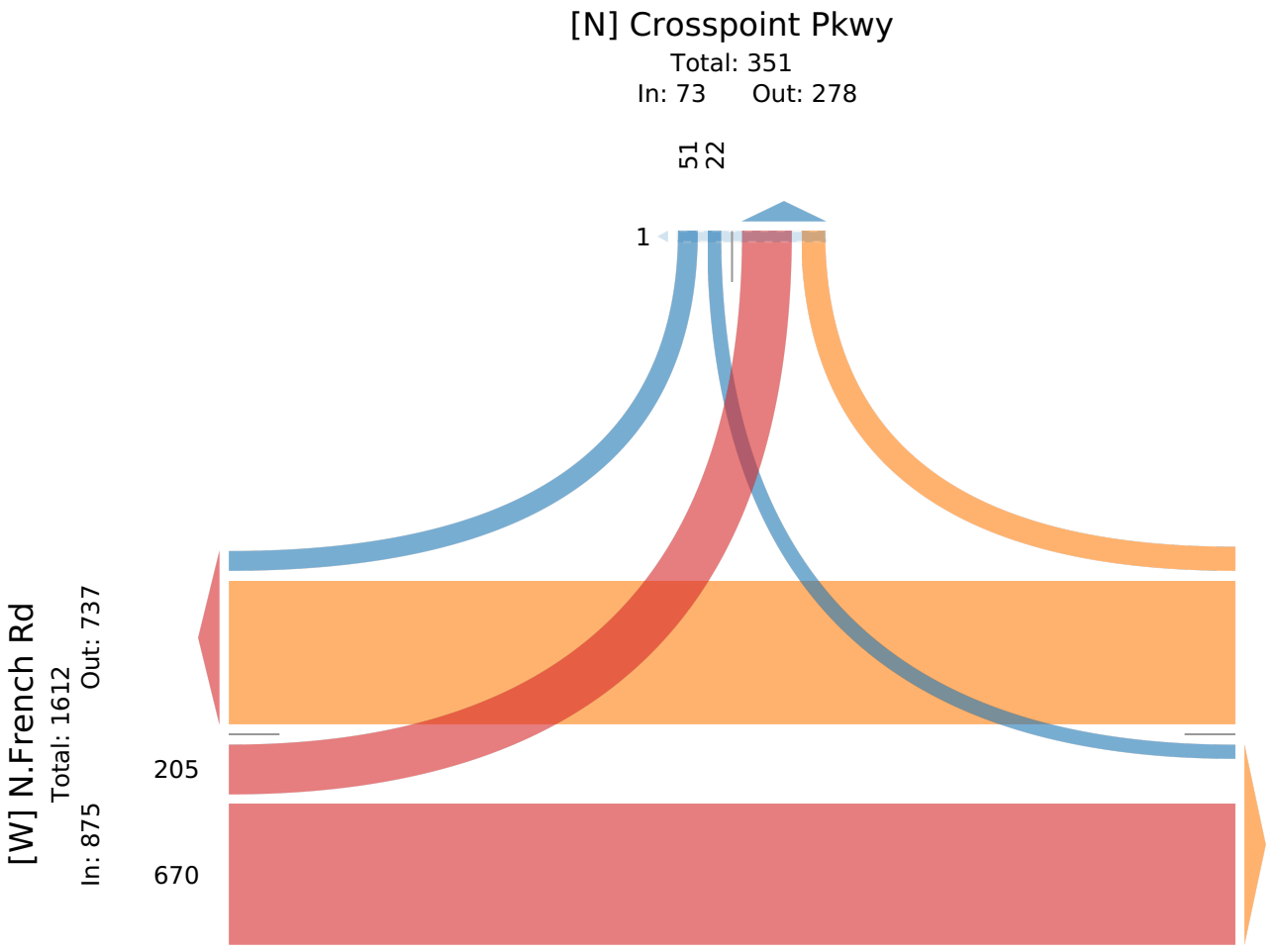
Leg / Direction	Crosspoint Pkwy Southbound						N.French Rd Westbound						N.French Rd Eastbound					
Time	R	L	U	RR	**App**	Ped*	R	T	U	RR	**App**	Ped*	T	L	U	**App**	Ped*	**Int**
2021-10-06 7:15AM	5	2	0	5	**12**	0	13	192	0	1	**206**	0	182	24	0	**206**	0	**424**
7:30AM	10	8	0	3	**21**	0	9	177	0	3	**189**	0	179	44	0	**223**	0	**433**
7:45AM	12	8	0	3	**23**	1	18	187	0	6	**211**	0	171	76	0	**247**	0	**481**
8:00AM	8	4	0	5	**17**	0	19	130	0	4	**153**	0	138	61	0	**199**	0	**369**
Total	35	22	0	16	**73**	1	59	686	0	14	**759**	0	670	205	0	**875**	0	**1707**
% Approach	47.9%	30.1%	0%	21.9%	**-**	-	7.8%	90.4%	0%	1.8%	**-**	-	76.6%	23.4%	0%	**-**	-	-
% Total	2.1%	1.3%	0%	0.9%	**4.3%**	-	3.5%	40.2%	0%	0.8%	**44.5%**	-	39.3%	12.0%	0%	**51.3%**	-	-
PHF	0.729	0.688	-	0.800	**0.793**	-	0.776	0.893	-	0.583	**0.899**	-	0.920	0.674	-	**0.886**	-	0.887
Motorcycles	0	0	0	0	**0**	-	0	2	0	0	**2**	-	1	0	0	**1**	-	3
% Motorcycles	0%	0%	0%	0%	**0%**	-	0%	0.3%	0%	0%	**0.3%**	-	0.1%	0%	0%	**0.1%**	-	0.2%
Lights	33	20	0	16	**69**	-	57	661	0	14	**732**	-	646	204	0	**850**	-	1651
% Lights	94.3%	90.9%	0%	100%	**94.5%**	-	96.6%	96.4%	0%	100%	**96.4%**	-	96.4%	99.5%	0%	**97.1%**	-	96.7%
Heavy	2	2	0	0	**4**	-	2	23	0	0	**25**	-	23	1	0	**24**	-	53
% Heavy	5.7%	9.1%	0%	0%	**5.5%**	-	3.4%	3.4%	0%	0%	**3.3%**	-	3.4%	0.5%	0%	**2.7%**	-	3.1%
Bicycles on Road	0	0	0	0	**0**	-	0	0	0	0	**0**	-	0	0	0	**0**	-	0
% Bicycles on Road	0%	0%	0%	0%	**0%**	-	0%	0%	0%	0%	**0%**	-	0%	0%	0%	**0%**	-	0%
Pedestrians	-	-	-	-	-	0	-	-	-	-	-	0	-	-	-	-	0	
% Pedestrians	-	-	-	-	-	0%	-	-	-	-	-	-	-	-	-	-	-	-
Bicycles on Crosswalk	-	-	-	-	-	1	-	-	-	-	-	0	-	-	-	-	0	
% Bicycles on Crosswalk	-	-	-	-	-	100%	-	-	-	-	-	-	-	-	-	-	-	-

*Pedestrians and Bicycles on Crosswalk. L: Left, R: Right, RR: Right on red, T: Thru, U: U-Turn

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

N.French Rd/Crosspoint Pkwy - TMC
Wed Oct 6, 2021
AM Peak (7:15 AM - 8:15 AM)
All Classes (Motorcycles, Lights, Heavy, Pedestrians, Bicycles on Road, Bicycles on Crosswalk)
All Movements
ID: 884255, Location: 43.03478, -78.750784

Provided by: Tri-State Traffic Data: New York Division
1016 Hoosick Rd, Troy, NY, 12180, US



Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

N.French Rd/Crosspoint Pkwy - TMC

Wed Oct 6, 2021
Forced Peak (7:45 AM - 8:45 AM)
All Classes (Motorcycles, Lights, Heavy, Pedestrians, Bicycles on Road, Bicycles on Crosswalk)
All Movements
ID: 884255, Location: 43.03478, -78.750784

Provided by: Tri-State Traffic Data: New York Division
1016 Hoosick Rd, Troy, NY, 12180, US

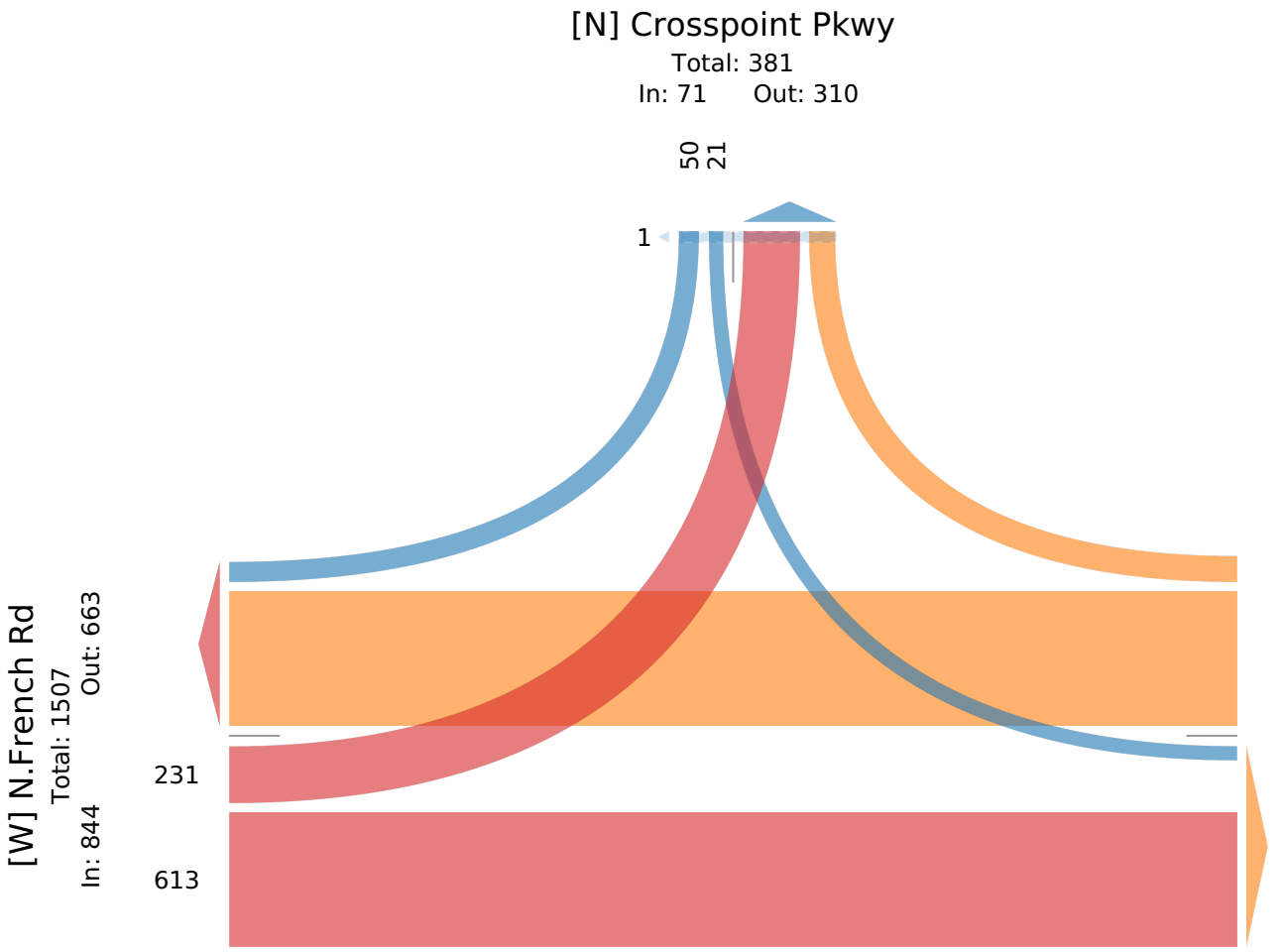
Leg / Direction	Crosspoint Pkwy Southbound						N.French Rd Westbound						N.French Rd Eastbound					
Time	R	L	U	RR	**App**	Ped*	R	T	U	RR	**App**	Ped*	T	L	U	**App**	Ped*	**Int**
2021-10-06 7:45AM	12	8	0	3	**23**	1	18	187	0	6	**211**	0	171	76	0	**247**	0	**481**
8:00AM	8	4	0	5	**17**	0	19	130	0	4	**153**	0	138	61	0	**199**	0	**369**
8:15AM	6	6	0	6	**18**	0	15	156	0	1	**172**	0	154	52	0	**206**	0	**396**
8:30AM	4	3	0	6	**13**	0	13	140	0	3	**156**	0	150	42	0	**192**	0	**361**
Total	30	21	0	20	**71**	1	65	613	0	14	**692**	0	613	231	0	**844**	0	**1607**
% Approach	42.3%	29.6%	0%	28.2%	**-**	-	9.4%	88.6%	0%	2.0%	**-**	-	72.6%	27.4%	0%	**-**	-	-
% Total	1.9%	1.3%	0%	1.2%	**4.4%**	-	4.0%	38.1%	0%	0.9%	**43.1%**	-	38.1%	14.4%	0%	**52.5%**	-	-
PHF	0.625	0.656	-	0.833	**0.772**	-	0.855	0.820	-	0.583	**0.820**	-	0.896	0.760	-	**0.854**	-	0.835
Motorcycles	0	0	0	0	**0**	-	0	2	0	0	**2**	-	0	0	0	**0**	-	2
% Motorcycles	0%	0%	0%	0%	**0%**	-	0%	0.3%	0%	0%	**0.3%**	-	0%	0%	0%	**0%**	-	0.1%
Lights	28	20	0	19	**67**	-	62	585	0	13	**660**	-	585	229	0	**814**	-	1541
% Lights	93.3%	95.2%	0%	95.0%	**94.4%**	-	95.4%	95.4%	0%	92.9%	**95.4%**	-	95.4%	99.1%	0%	**96.4%**	-	95.9%
Heavy	2	1	0	1	**4**	-	3	26	0	1	**30**	-	28	2	0	**30**	-	64
% Heavy	6.7%	4.8%	0%	5.0%	**5.6%**	-	4.6%	4.2%	0%	7.1%	**4.3%**	-	4.6%	0.9%	0%	**3.6%**	-	4.0%
Bicycles on Road	0	0	0	0	**0**	-	0	0	0	0	**0**	-	0	0	0	**0**	-	0
% Bicycles on Road	0%	0%	0%	0%	**0%**	-	0%	0%	0%	0%	**0%**	-	0%	0%	0%	**0%**	-	0%
Pedestrians	-	-	-	-	-	0	-	-	-	-	-	0	-	-	-	-	0	
% Pedestrians	-	-	-	-	-	0%	-	-	-	-	-	-	-	-	-	-	-	-
Bicycles on Crosswalk	-	-	-	-	-	1	-	-	-	-	-	0	-	-	-	-	0	
% Bicycles on Crosswalk	-	-	-	-	-	100%	-	-	-	-	-	-	-	-	-	-	-	-

*Pedestrians and Bicycles on Crosswalk. L: Left, R: Right, RR: Right on red, T: Thru, U: U-Turn

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

N.French Rd/Crosspoint Pkwy - TMC
Wed Oct 6, 2021
Forced Peak (7:45 AM - 8:45 AM)
All Classes (Motorcycles, Lights, Heavy, Pedestrians, Bicycles on Road, Bicycles on Crosswalk)
All Movements
ID: 884255, Location: 43.03478, -78.750784

Provided by: Tri-State Traffic Data: New York Division
1016 Hoosick Rd, Troy, NY, 12180, US



Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

N.French Rd/Crosspoint Pkwy - TMC

Wed Oct 6, 2021
PM Peak (4:45 PM - 5:45 PM) - Overall Peak Hour
All Classes (Motorcycles, Lights, Heavy, Pedestrians, Bicycles on Road, Bicycles on Crosswalk)
All Movements
ID: 884255, Location: 43.03478, -78.750784

Provided by: Tri-State Traffic Data: New York Division
1016 Hoosick Rd, Troy, NY, 12180, US

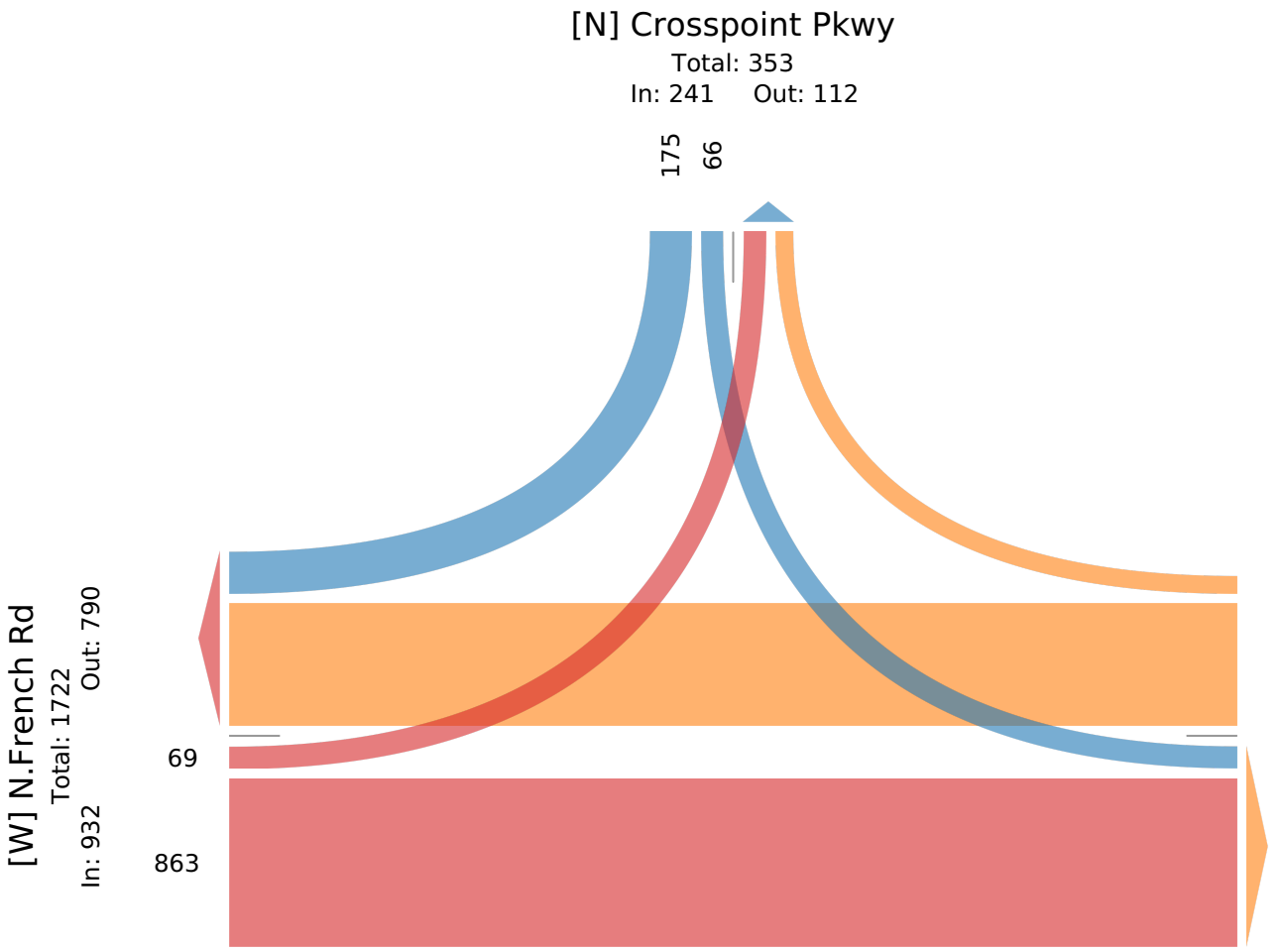
Leg / Direction	Crosspoint Pkwy Southbound						N.French Rd Westbound						N.French Rd Eastbound					
Time	R	L	U	RR	**App**	Ped*	R	T	U	RR	**App**	Ped*	T	L	U	**App**	Ped*	**Int**
2021-10-06 4:45PM	8	10	0	26	**44**	0	6	136	0	1	**143**	0	218	16	0	**234**	0	**421**
5:00PM	38	19	0	15	**72**	0	9	164	0	6	**179**	0	221	9	0	**230**	0	**481**
5:15PM	14	15	0	17	**46**	0	7	149	0	3	**159**	0	219	16	0	**235**	0	**440**
5:30PM	24	22	0	33	**79**	0	8	166	0	3	**177**	0	205	28	0	**233**	0	**489**
Total	84	66	0	91	**241**	0	30	615	0	13	**658**	0	863	69	0	**932**	0	**1831**
% Approach	34.9%	27.4%	0%	37.8%	**-**	-	4.6%	93.5%	0%	2.0%	**-**	-	92.6%	7.4%	0%	**-**	-	-
% Total	4.6%	3.6%	0%	5.0%	**13.2%**	-	1.6%	33.6%	0%	0.7%	**35.9%**	-	47.1%	3.8%	0%	**50.9%**	-	-
PHF	0.553	0.750	-	0.689	**0.763**	-	0.833	0.926	-	0.542	**0.919**	-	0.976	0.616	-	**0.991**	-	0.936
Motorcycles	0	1	0	0	**1**	-	0	1	0	0	**1**	-	5	0	0	**5**	-	7
% Motorcycles	0%	1.5%	0%	0%	**0.4%**	-	0%	0.2%	0%	0%	**0.2%**	-	0.6%	0%	0%	**0.5%**	-	0.4%
Lights	84	63	0	91	**238**	-	29	609	0	13	**651**	-	849	69	0	**918**	-	1807
% Lights	100%	95.5%	0%	100%	**98.8%**	-	96.7%	99.0%	0%	100%	**98.9%**	-	98.4%	100%	0%	**98.5%**	-	98.7%
Heavy	0	2	0	0	**2**	-	1	5	0	0	**6**	-	9	0	0	**9**	-	17
% Heavy	0%	3.0%	0%	0%	**0.8%**	-	3.3%	0.8%	0%	0%	**0.9%**	-	1.0%	0%	0%	**1.0%**	-	0.9%
Bicycles on Road	0	0	0	0	**0**	-	0	0	0	0	**0**	-	0	0	0	**0**	-	0
% Bicycles on Road	0%	0%	0%	0%	**0%**	-	0%	0%	0%	0%	**0%**	-	0%	0%	0%	**0%**	-	0%
Pedestrians	-	-	-	-	-	0	-	-	-	-	-	0	-	-	-	-	0	
% Pedestrians	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bicycles on Crosswalk	-	-	-	-	-	0	-	-	-	-	-	0	-	-	-	-	0	
% Bicycles on Crosswalk	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

*Pedestrians and Bicycles on Crosswalk. L: Left, R: Right, RR: Right on red, T: Thru, U: U-Turn

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

N.French Rd/Crosspoint Pkwy - TMC
Wed Oct 6, 2021
PM Peak (4:45 PM - 5:45 PM) - Overall Peak Hour
All Classes (Motorcycles, Lights, Heavy, Pedestrians, Bicycles on Road, Bicycles on Crosswalk)
All Movements
ID: 884255, Location: 43.03478, -78.750784

Provided by: Tri-State Traffic Data: New York Division
1016 Hoosick Rd, Troy, NY, 12180, US



Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

N.French Rd/Crosspoint Pkwy - TMC

Wed Oct 6, 2021
Full Length (7 AM-9 AM, 4 PM-6 PM)
All Classes (Motorcycles, Lights, Heavy, Pedestrians, Bicycles on Road, Bicycles on Crosswalk)
All Movements
ID: 884255, Location: 43.03478, -78.750784

Provided by: Tri-State Traffic Data: New York Division
1016 Hoosick Rd, Troy, NY, 12180, US

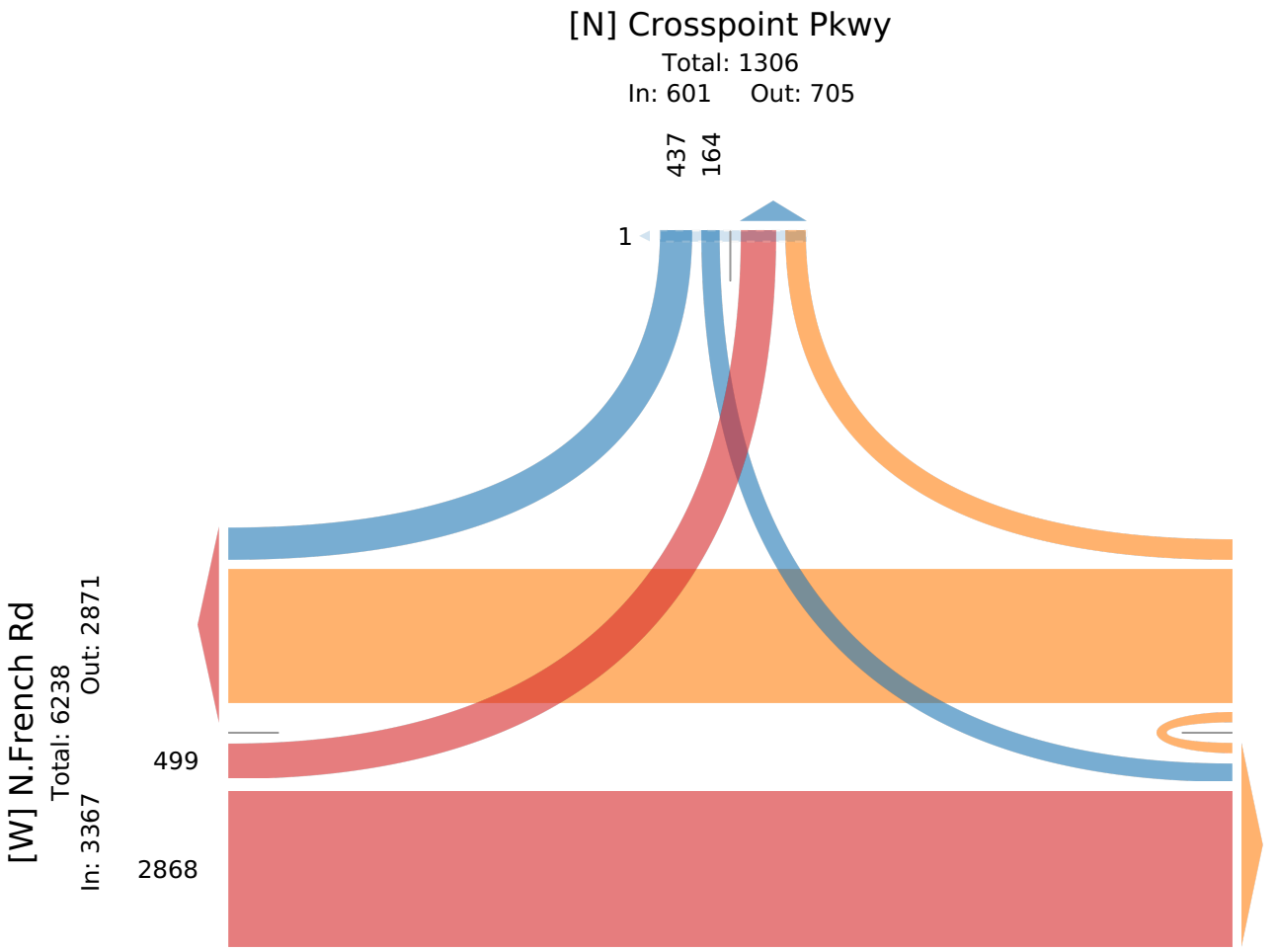
Leg / Direction	Crosspoint Pkwy Southbound						N.French Rd Westbound						N.French Rd Eastbound					
Time	R	L	U	RR	App	Ped*	R	T	U	RR	App	Ped*	T	L	U	App	Ped*	Int
2021-10-06 7:00AM	5	6	0	6	**17**	0	11	123	0	3	**137**	0	103	17	0	**120**	0	**274**
7:15AM	5	2	0	5	**12**	0	13	192	0	1	**206**	0	182	24	0	**206**	0	**424**
7:30AM	10	8	0	3	**21**	0	9	177	0	3	**189**	0	179	44	0	**223**	0	**433**
7:45AM	12	8	0	3	**23**	1	18	187	0	6	**211**	0	171	76	0	**247**	0	**481**
Hourly Total	32	24	0	17	**73**	1	51	679	0	13	**743**	0	635	161	0	**796**	0	**1612**
8:00AM	8	4	0	5	**17**	0	19	130	0	4	**153**	0	138	61	0	**199**	0	**369**
8:15AM	6	6	0	6	**18**	0	15	156	0	1	**172**	0	154	52	0	**206**	0	**396**
8:30AM	4	3	0	6	**13**	0	13	140	0	3	**156**	0	150	42	0	**192**	0	**361**
8:45AM	2	8	0	8	**18**	0	8	124	0	7	**139**	0	127	40	0	**167**	0	**324**
Hourly Total	20	21	0	25	**66**	0	55	550	0	15	**620**	0	569	195	0	**764**	0	**1450**
9:00AM	0	0	0	0	**0**	0	0	0	0	0	**0**	0	0	0	0	**0**	0	**0**
Hourly Total	0	0	0	0	**0**	0	0	0	0	0	**0**	0	0	0	0	**0**	0	**0**
4:00PM	13	8	0	23	**44**	0	9	143	0	2	**154**	0	212	14	0	**226**	0	**424**
4:15PM	10	7	0	24	**41**	0	6	151	0	0	**157**	0	195	21	0	**216**	0	**414**
4:30PM	33	23	0	34	**90**	0	3	157	1	0	**161**	0	200	23	0	**223**	0	**474**
4:45PM	8	10	0	26	**44**	0	6	136	0	1	**143**	0	218	16	0	**234**	0	**421**
Hourly Total	64	48	0	107	**219**	0	24	587	1	3	**615**	0	825	74	0	**899**	0	**1733**
5:00PM	38	19	0	15	**72**	0	9	164	0	6	**179**	0	221	9	0	**230**	0	**481**
5:15PM	14	15	0	17	**46**	0	7	149	0	3	**159**	0	219	16	0	**235**	0	**440**
5:30PM	24	22	0	33	**79**	0	8	166	0	3	**177**	0	205	28	0	**233**	0	**489**
5:45PM	9	15	0	22	**46**	0	5	139	0	4	**148**	0	194	16	0	**210**	0	**404**
Hourly Total	85	71	0	87	**243**	0	29	618	0	16	**663**	0	839	69	0	**908**	0	**1814**
Total	201	164	0	236	**601**	1	159	2434	1	47	**2641**	0	2868	499	0	**3367**	0	**6609**
% Approach	33.4%	27.3%	0%	39.3%	**-**	-	6.0%	92.2%	0%	1.8%	**-**	-	85.2%	14.8%	0%	**-**	-	-
% Total	3.0%	2.5%	0%	3.6%	**9.1%**	-	2.4%	36.8%	0%	0.7%	**40.0%**	-	43.4%	7.6%	0%	**50.9%**	-	-
Motorcycles	0	1	0	0	**1**	-	0	4	0	0	**4**	-	8	0	0	**8**	-	13
% Motorcycles	0%	0.6%	0%	0%	**0.2%**	-	0%	0.2%	0%	0%	**0.2%**	-	0.3%	0%	0%	**0.2%**	-	0.2%
Lights	197	156	0	230	**583**	-	151	2361	1	46	**2559**	-	2781	495	0	**3276**	-	6418
% Lights	98.0%	95.1%	0%	97.5%	**97.0%**	-	95.0%	97.0%	100%	97.9%	**96.9%**	-	97.0%	99.2%	0%	**97.3%**	-	97.1%
Heavy	4	7	0	6	**17**	-	8	69	0	1	**78**	-	79	4	0	**83**	-	178
% Heavy	2.0%	4.3%	0%	2.5%	**2.8%**	-	5.0%	2.8%	0%	2.1%	**3.0%**	-	2.8%	0.8%	0%	**2.5%**	-	2.7%
Bicycles on Road	0	0	0	0	**0**	-	0	0	0	0	**0**	-	0	0	0	**0**	-	0
% Bicycles on Road	0%	0%	0%	0%	**0%**	-	0%	0%	0%	0%	**0%**	-	0%	0%	0%	**0%**	-	0%
Pedestrians	-	-	-	-	-	0	-	-	-	-	-	0	-	-	-	-	0	
% Pedestrians	-	-	-	-	-	0%	-	-	-	-	-	-	-	-	-	-	-	-
Bicycles on Crosswalk	-	-	-	-	-	1	-	-	-	-	-	0	-	-	-	-	0	
% Bicycles on Crosswalk	-	-	-	-	-	100%	-	-	-	-	-	-	-	-	-	-	-	-

*Pedestrians and Bicycles on Crosswalk. L: Left, R: Right, RR: Right on red, T: Thru, U: U-Turn

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

N.French Rd/Crosspoint Pkwy - TMC
Wed Oct 6, 2021
Full Length (7 AM-9 AM, 4 PM-6 PM)
All Classes (Motorcycles, Lights, Heavy, Pedestrians, Bicycles on Road, Bicycles on Crosswalk)
All Movements
ID: 884255, Location: 43.03478, -78.750784

Provided by: Tri-State Traffic Data: New York Division
1016 Hoosick Rd, Troy, NY, 12180, US



Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

N.French Rd/Crosspoint Pkwy - TMC

Wed Oct 6, 2021
AM Peak (7:15 AM - 8:15 AM)
All Classes (Motorcycles, Lights, Heavy, Pedestrians, Bicycles on Road, Bicycles on Crosswalk)
All Movements
ID: 884255, Location: 43.03478, -78.750784

Provided by: Tri-State Traffic Data: New York Division
1016 Hoosick Rd, Troy, NY, 12180, US

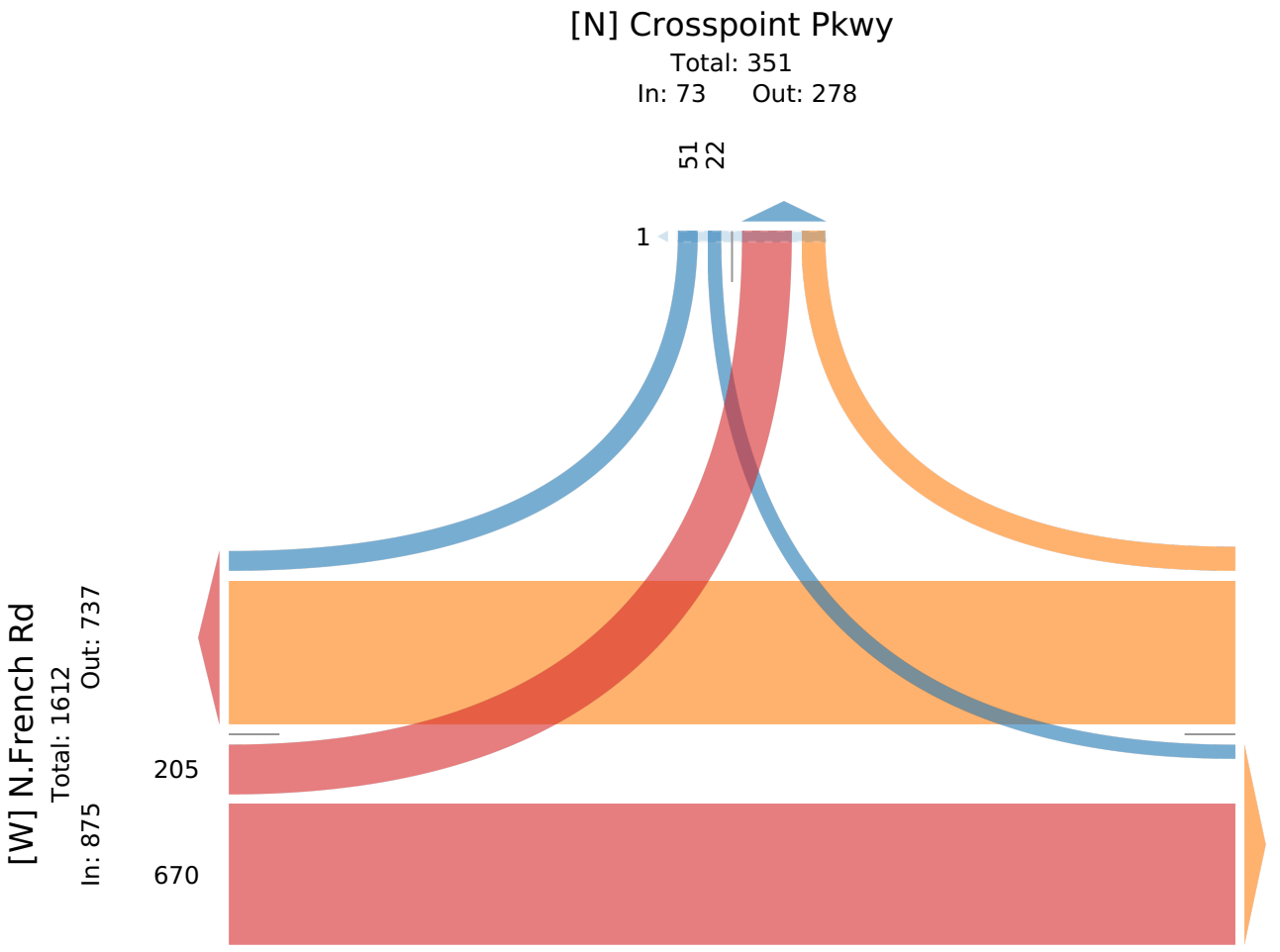
Leg / Direction	Crosspoint Pkwy Southbound						N.French Rd Westbound						N.French Rd Eastbound					
Time	R	L	U	RR	**App**	Ped*	R	T	U	RR	**App**	Ped*	T	L	U	**App**	Ped*	**Int**
2021-10-06 7:15AM	5	2	0	5	**12**	0	13	192	0	1	**206**	0	182	24	0	**206**	0	**424**
7:30AM	10	8	0	3	**21**	0	9	177	0	3	**189**	0	179	44	0	**223**	0	**433**
7:45AM	12	8	0	3	**23**	1	18	187	0	6	**211**	0	171	76	0	**247**	0	**481**
8:00AM	8	4	0	5	**17**	0	19	130	0	4	**153**	0	138	61	0	**199**	0	**369**
Total	35	22	0	16	**73**	1	59	686	0	14	**759**	0	670	205	0	**875**	0	**1707**
% Approach	47.9%	30.1%	0%	21.9%	**-**	-	7.8%	90.4%	0%	1.8%	**-**	-	76.6%	23.4%	0%	**-**	-	-
% Total	2.1%	1.3%	0%	0.9%	**4.3%**	-	3.5%	40.2%	0%	0.8%	**44.5%**	-	39.3%	12.0%	0%	**51.3%**	-	-
PHF	0.729	0.688	-	0.800	**0.793**	-	0.776	0.893	-	0.583	**0.899**	-	0.920	0.674	-	**0.886**	-	0.887
Motorcycles	0	0	0	0	**0**	-	0	2	0	0	**2**	-	1	0	0	**1**	-	3
% Motorcycles	0%	0%	0%	0%	**0%**	-	0%	0.3%	0%	0%	**0.3%**	-	0.1%	0%	0%	**0.1%**	-	0.2%
Lights	33	20	0	16	**69**	-	57	661	0	14	**732**	-	646	204	0	**850**	-	1651
% Lights	94.3%	90.9%	0%	100%	**94.5%**	-	96.6%	96.4%	0%	100%	**96.4%**	-	96.4%	99.5%	0%	**97.1%**	-	96.7%
Heavy	2	2	0	0	**4**	-	2	23	0	0	**25**	-	23	1	0	**24**	-	53
% Heavy	5.7%	9.1%	0%	0%	**5.5%**	-	3.4%	3.4%	0%	0%	**3.3%**	-	3.4%	0.5%	0%	**2.7%**	-	3.1%
Bicycles on Road	0	0	0	0	**0**	-	0	0	0	0	**0**	-	0	0	0	**0**	-	0
% Bicycles on Road	0%	0%	0%	0%	**0%**	-	0%	0%	0%	0%	**0%**	-	0%	0%	0%	**0%**	-	0%
Pedestrians	-	-	-	-	-	0	-	-	-	-	-	0	-	-	-	-	0	
% Pedestrians	-	-	-	-	-	0%	-	-	-	-	-	-	-	-	-	-	-	-
Bicycles on Crosswalk	-	-	-	-	-	1	-	-	-	-	-	0	-	-	-	-	0	
% Bicycles on Crosswalk	-	-	-	-	-	100%	-	-	-	-	-	-	-	-	-	-	-	-

*Pedestrians and Bicycles on Crosswalk. L: Left, R: Right, RR: Right on red, T: Thru, U: U-Turn

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

N.French Rd/Crosspoint Pkwy - TMC
Wed Oct 6, 2021
AM Peak (7:15 AM - 8:15 AM)
All Classes (Motorcycles, Lights, Heavy, Pedestrians, Bicycles on Road, Bicycles on Crosswalk)
All Movements
ID: 884255, Location: 43.03478, -78.750784

Provided by: Tri-State Traffic Data: New York Division
1016 Hoosick Rd, Troy, NY, 12180, US



Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

N.French Rd/Crosspoint Pkwy - TMC

Wed Oct 6, 2021
Forced Peak (4:30 PM - 5:30 PM)
All Classes (Motorcycles, Lights, Heavy, Pedestrians, Bicycles on Road, Bicycles on Crosswalk)
All Movements
ID: 884255, Location: 43.03478, -78.750784

Provided by: Tri-State Traffic Data: New York Division
1016 Hoosick Rd, Troy, NY, 12180, US

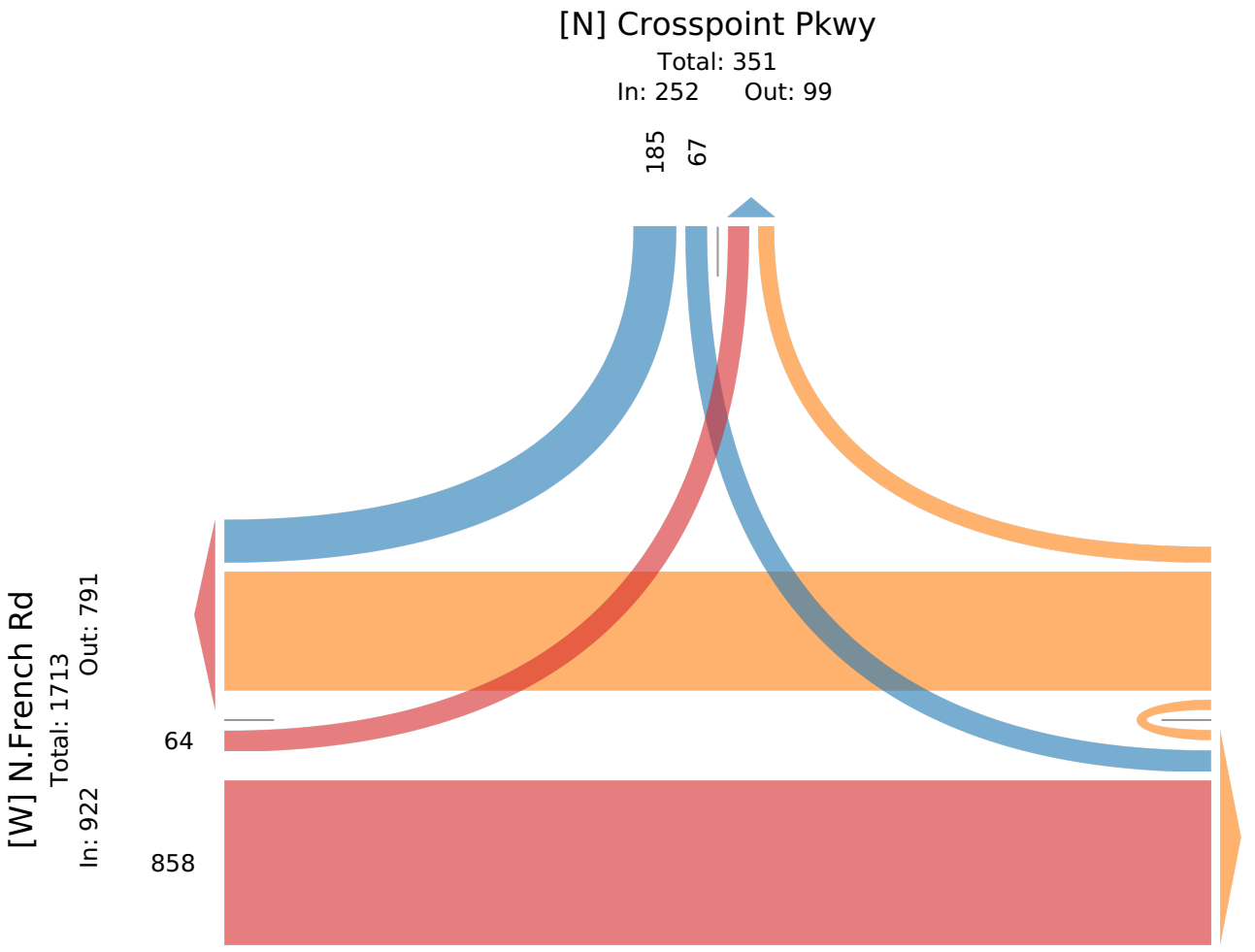
Leg Direction	Crosspoint Pkwy Southbound						N.French Rd Westbound						N.French Rd Eastbound					
Time	R	L	U	RR	**App**	Ped*	R	T	U	RR	**App**	Ped*	T	L	U	**App**	Ped*	**Int**
2021-10-06 4:30PM	33	23	0	34	**90**	0	3	157	1	0	**161**	0	200	23	0	**223**	0	**474**
4:45PM	8	10	0	26	**44**	0	6	136	0	1	**143**	0	218	16	0	**234**	0	**421**
5:00PM	38	19	0	15	**72**	0	9	164	0	6	**179**	0	221	9	0	**230**	0	**481**
5:15PM	14	15	0	17	**46**	0	7	149	0	3	**159**	0	219	16	0	**235**	0	**440**
Total	93	67	0	92	**252**	0	25	606	1	10	**642**	0	858	64	0	**922**	0	**1816**
% Approach	36.9%	26.6%	0%	36.5%	**-**	-	3.9%	94.4%	0.2%	1.6%	**-**	-	93.1%	6.9%	0%	**-**	-	-
% Total	5.1%	3.7%	0%	5.1%	**13.9%**	-	1.4%	33.4%	0.1%	0.6%	**35.4%**	-	47.2%	3.5%	0%	**50.8%**	-	-
PHF	0.612	0.728	-	0.676	**0.700**	-	0.694	0.924	0.250	0.417	**0.897**	-	0.971	0.696	-	**0.981**	-	0.944
Motorcycles	0	1	0	0	**1**	-	0	1	0	0	**1**	-	4	0	0	**4**	-	6
% Motorcycles	0%	1.5%	0%	0%	**0.4%**	-	0%	0.2%	0%	0%	**0.2%**	-	0.5%	0%	0%	**0.4%**	-	0.3%
Lights	92	64	0	90	**246**	-	24	598	1	10	**633**	-	839	64	0	**903**	-	1782
% Lights	98.9%	95.5%	0%	97.8%	**97.6%**	-	96.0%	98.7%	100%	100%	**98.6%**	-	97.8%	100%	0%	**97.9%**	-	98.1%
Heavy	1	2	0	2	**5**	-	1	7	0	0	**8**	-	15	0	0	**15**	-	28
% Heavy	1.1%	3.0%	0%	2.2%	**2.0%**	-	4.0%	1.2%	0%	0%	**1.2%**	-	1.7%	0%	0%	**1.6%**	-	1.5%
Bicycles on Road	0	0	0	0	**0**	-	0	0	0	0	**0**	-	0	0	0	**0**	-	0
% Bicycles on Road	0%	0%	0%	0%	**0%**	-	0%	0%	0%	0%	**0%**	-	0%	0%	0%	**0%**	-	0%
Pedestrians	-	-	-	-	-	0	-	-	-	-	-	0	-	-	-	-	0	
% Pedestrians	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bicycles on Crosswalk	-	-	-	-	-	0	-	-	-	-	-	0	-	-	-	-	0	
% Bicycles on Crosswalk	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

*Pedestrians and Bicycles on Crosswalk. L: Left, R: Right, RR: Right on red, T: Thru, U: U-Turn

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

N.French Rd/Crosspoint Pkwy - TMC
Wed Oct 6, 2021
Forced Peak (4:30 PM - 5:30 PM)
All Classes (Motorcycles, Lights, Heavy, Pedestrians, Bicycles on Road, Bicycles on Crosswalk)
All Movements
ID: 884255, Location: 43.03478, -78.750784

Provided by: Tri-State Traffic Data: New York Division
1016 Hoosick Rd, Troy, NY, 12180, US



Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

N.French Rd/Crosspoint Pkwy - TMC

Wed Oct 6, 2021
PM Peak (4:45 PM - 5:45 PM) - Overall Peak Hour
All Classes (Motorcycles, Lights, Heavy, Pedestrians, Bicycles on Road, Bicycles on Crosswalk)
All Movements
ID: 884255, Location: 43.03478, -78.750784

Provided by: Tri-State Traffic Data: New York Division
1016 Hoosick Rd, Troy, NY, 12180, US

Leg / Direction	Crosspoint Pkwy Southbound						N.French Rd Westbound						N.French Rd Eastbound					
Time	R	L	U	RR	**App**	Ped*	R	T	U	RR	**App**	Ped*	T	L	U	**App**	Ped*	**Int**
2021-10-06 4:45PM	8	10	0	26	**44**	0	6	136	0	1	**143**	0	218	16	0	**234**	0	**421**
5:00PM	38	19	0	15	**72**	0	9	164	0	6	**179**	0	221	9	0	**230**	0	**481**
5:15PM	14	15	0	17	**46**	0	7	149	0	3	**159**	0	219	16	0	**235**	0	**440**
5:30PM	24	22	0	33	**79**	0	8	166	0	3	**177**	0	205	28	0	**233**	0	**489**
Total	84	66	0	91	**241**	0	30	615	0	13	**658**	0	863	69	0	**932**	0	**1831**
% Approach	34.9%	27.4%	0%	37.8%	**-**	-	4.6%	93.5%	0%	2.0%	**-**	-	92.6%	7.4%	0%	**-**	-	-
% Total	4.6%	3.6%	0%	5.0%	**13.2%**	-	1.6%	33.6%	0%	0.7%	**35.9%**	-	47.1%	3.8%	0%	**50.9%**	-	-
PHF	0.553	0.750	-	0.689	**0.763**	-	0.833	0.926	-	0.542	**0.919**	-	0.976	0.616	-	**0.991**	-	0.936
Motorcycles	0	1	0	0	**1**	-	0	1	0	0	**1**	-	5	0	0	**5**	-	7
% Motorcycles	0%	1.5%	0%	0%	**0.4%**	-	0%	0.2%	0%	0%	**0.2%**	-	0.6%	0%	0%	**0.5%**	-	0.4%
Lights	84	63	0	91	**238**	-	29	609	0	13	**651**	-	849	69	0	**918**	-	1807
% Lights	100%	95.5%	0%	100%	**98.8%**	-	96.7%	99.0%	0%	100%	**98.9%**	-	98.4%	100%	0%	**98.5%**	-	98.7%
Heavy	0	2	0	0	**2**	-	1	5	0	0	**6**	-	9	0	0	**9**	-	17
% Heavy	0%	3.0%	0%	0%	**0.8%**	-	3.3%	0.8%	0%	0%	**0.9%**	-	1.0%	0%	0%	**1.0%**	-	0.9%
Bicycles on Road	0	0	0	0	**0**	-	0	0	0	0	**0**	-	0	0	0	**0**	-	0
% Bicycles on Road	0%	0%	0%	0%	**0%**	-	0%	0%	0%	0%	**0%**	-	0%	0%	0%	**0%**	-	0%
Pedestrians	-	-	-	-	-	0	-	-	-	-	-	0	-	-	-	-	0	
% Pedestrians	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bicycles on Crosswalk	-	-	-	-	-	0	-	-	-	-	-	0	-	-	-	-	0	
% Bicycles on Crosswalk	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

*Pedestrians and Bicycles on Crosswalk. L: Left, R: Right, RR: Right on red, T: Thru, U: U-Turn

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

N.French Rd/Crosspoint Pkwy - TMC
Wed Oct 6, 2021
PM Peak (4:45 PM - 5:45 PM) - Overall Peak Hour
All Classes (Motorcycles, Lights, Heavy, Pedestrians, Bicycles on Road, Bicycles on Crosswalk)
All Movements
ID: 884255, Location: 43.03478, -78.750784

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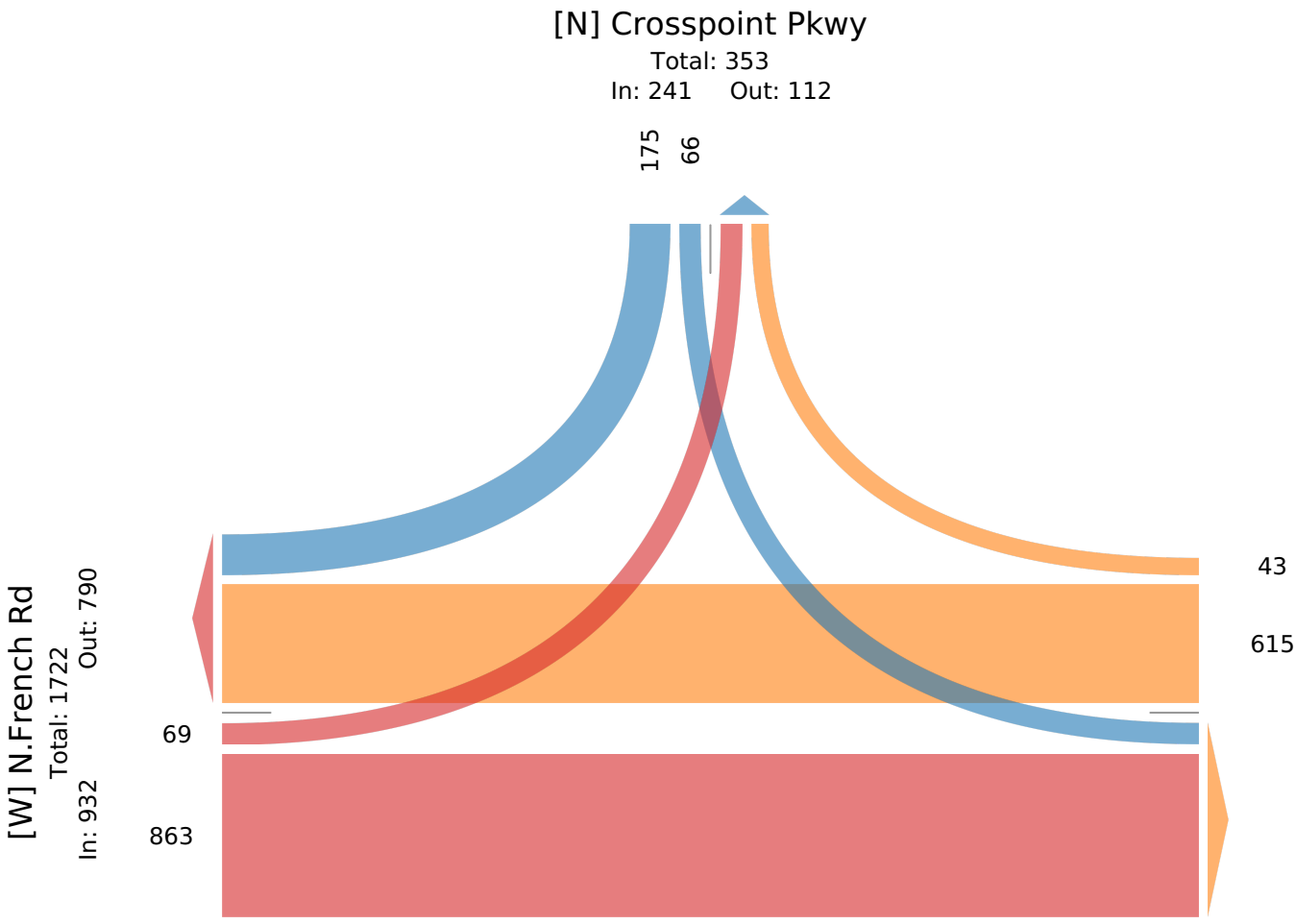

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

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APPENDIX B: MISCELLANEOUS CALCULATIONS

PASSERO
engineering architecture

North French Road Mixed Use, Town of Amherst, NY
Documentation of Ambient Traffic Volume Growth

Roadway	Segment starts at	Segment end at	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2023	Annual Growth
N French Rd (CR-299)	I-990	Millersport Hwy			20,611								23,654		1.74%
Miller Rd	Millersport Hwy	N French Rd						617						673	0.97%
														AVERAGE	1.35%

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

Intersection Crash Rate Calculations
North French Rd Mixed Use

Intersection #1:	N Forest Rd at I-990 SB Ramps
Date of Count:	Tuesday, July 26, 2022
Number of Crashes:	7
Number of Injuries:	1
Number of Fatalities:	0
Entering Vehicles (PM):	2172
ADT:	22863
Start Date:	January 1, 2018
End Date:	December 31, 2022
Number of Years:	5
Intersection Type:	3 Legged
Area Type:	Urban
Control Type:	Sign 1-3 Lanes

crash rate = Number of Crashes x 1 Million / ADT x 365 Days per Year x Number of Years

crash rate = 7 x 1,000,000 / 22863 x 365 x 5

	Crash Rate		Fatality Rate	Injury Rate
Study Intersection	**0.17**	**cr/mve**	**0%**	**14%**
Statewide Average*	**0.19**	**cr/mve**		

ADT = Average Daily Total vehicles entering intersection
cr/mve = crashes per million entering vehicles
* Most recent available 2019 Average Crash Rates for State Highways by Facility Type

	Direction					
Type	Northbound	Southbound	Eastbound	Westbound	Unknown	Totals
Left turn						0
Rear-end			2			2
Overtaking						0
Right Angle			1			1
Right Turn						0
Head On						0
Side-swipe				3		3
Fixed Object		1				1
Backing						0
Other						0
Bike/Ped						0
Animal						0
Totals	0	1	3	3	0	7

PDO	6
Injury	1
Injury + PDO	
Fatal	
NR	
Total	7

Intersection Crash Rate Calculations
North French Rd Mixed Use

Intersection #2:	N Forest Rd at I-990 NB Ramps
Date of Count:	Tuesday, July 26, 2022
Number of Crashes:	14
Number of Injuries:	5
Number of Fatalities:	0
Entering Vehicles (AM):	2396
ADT:	25221
Start Date:	January 1, 2018
End Date:	December 31, 2022
Number of Years:	5
Intersection Type:	3 Legged
Area Type:	Urban
Control Type:	Signal 1-4 Lanes

crash rate = Number of Crashes x 1 Million / ADT x 365 Days per Year x Number of Years

crash rate = 14 x 1,000,000 / 25221 x 365 x 5

	Crash Rate		Fatality Rate	Injury Rate
Study Intersection	**0.30**	**cr/mve**	**0%**	**36%**
Statewide Average*	**0.32**	**cr/mve**		

ADT = Average Daily Total vehicles entering intersection
cr/mve = crashes per million entering vehicles
* Most recent available 2019 Average Crash Rates for State Highways by Facility Type

	Direction					
Type	Northbound	Southbound	Eastbound	Westbound	Unknown	Totals
Left turn	1					1
Rear-end	5		1	3		9
Overtaking						0
Right Angle	2					2
Right Turn	1					1
Head On						0
Side-swipe						0
Fixed Object						0
Backing						0
Other	1					1
Bike/Ped						0
Animal						0
Totals	10	0	1	3	0	14

PDO	9
Injury	5
Injury + PDO	
Fatal	
NR	
Total	14

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

Intersection Crash Rate Calculations
North French Rd Mixed Use

Intersection #5:	N Forest Rd at Miller Rd
Date of Count:	Tuesday, July 11, 2023
Number of Crashes:	5
Number of Injuries:	1
Number of Fatalities:	0
Entering Vehicles (PM):	2313
ADT:	24347
Start Date:	January 1, 2018
End Date:	December 31, 2022
Number of Years:	5
Intersection Type:	4 Legged
Area Type:	Urban
Control Type:	Sign 1-3 Lanes

crash rate = Number of Crashes x 1 Million / ADT x 365 Days per Year x Number of Years

crash rate = 5 x 1,000,000 / 24347 x 365 x 5

	Crash Rate		Fatality Rate	Injury Rate
Study Intersection	**0.11**	**cr/mve**	**0%**	**20%**
Statewide Average*	**0.31**	**cr/mve**		

ADT = Average Daily Total vehicles entering intersection
cr/mve = crashes per million entering vehicles
* Most recent available 2019 Average Crash Rates for State Highways by Facility Type

	Direction					
Type	Northbound	Southbound	Eastbound	Westbound	Unknown	Totals
Left turn	2					2
Rear-end			1			1
Overtaking						0
Right Angle	1		1			2
Right Turn						0
Head On						0
Side-swipe						0
Fixed Object						0
Backing						0
Other						0
Bike/Ped						0
Animal						0
Totals	3	0	2	0	0	5

PDO	4
Injury	1
Injury + PDO	
Fatal	
NR	
Total	5

Intersection Crash Rate Calculations
North French Rd Mixed Use

Intersection #6:	N Forest Rd at Crosspoint Pkwy
Date of Count:	Wednesday, October 6, 2021
Number of Crashes:	9
Number of Injuries:	3
Number of Fatalities:	0
Entering Vehicles (PM):	1831
ADT:	19274
Start Date:	January 1, 2018
End Date:	December 31, 2022
Number of Years:	5
Intersection Type:	3 Legged
Area Type:	Urban
Control Type:	Sign 1-3 Lanes

crash rate = Number of Crashes x 1 Million / ADT x 365 Days per Year x Number of Years

crash rate = 9 x 1,000,000 / 19274 x 365 x 5

	Crash Rate		Fatality Rate	Injury Rate
Study Intersection	**0.26**	**cr/mve**	**0%**	**33%**
Statewide Average*	**0.19**	**cr/mve**		

ADT = Average Daily Total vehicles entering intersection
cr/mve = crashes per million entering vehicles
* Most recent available 2019 Average Crash Rates for State Highways by Facility Type

	Direction					
Type	Northbound	Southbound	Eastbound	Westbound	Unknown	Totals
Left turn						0
Rear-end		1	1	3		5
Overtaking						0
Right Angle				1		1
Right Turn				1		1
Head On						0
Side-swipe			1	1		2
Fixed Object						0
Backing						0
Other						0
Bike/Ped						0
Animal						0
Totals	0	1	2	6	0	9

PDO	6
Injury	3
Injury + PDO	
Fatal	
NR	
Total	9

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

PROJECT: N French Road Residential Development
LOCATION: Town of Amherst, New York
PEAK HOUR: AM Peak RIRO

Figure Number: 3A 3B 4 5B 6B 7B

Num of yrs: 4

LOCATION NUMBER	INTERSECTION DESCRIPTION	Existing Volumes	2023 Existing Volumes	2023 Adjusted Volumes	2027 Bkgd Vol 1.5%	50 Crosspoint	3325 Millersport	2027 Bkgd Volumes	Residential Development				Total Site Trips	Full Build Volumes
									Enter Dist. %	Exit Dist. %	Trips IN 22	Trips OUT 67		
1	N French Road/ I-990 SB Ramps		1											
	SR	51	52	52	55			55						55
	ST													
	SL	1	1	1	1			1						1
	WR													
	WT	449	456	462	490	18	10	518		33%		22	22	540
	WL	385	391	397	421	15	8	444		30%		20	20	464
	NR													
	NT													
	NL													
	ER	397	403	403	428			428						428
	ET	488	495	666	707	5	2	714	33%		7		7	721
	EL													
2	N French Road/ I-990 NB Ramps													
	SR													
	ST													
	SL													
	WR													
	WT	665	675	701	744	33	18	795		63%		42	42	837
	WL													
	NR	521	529	673	714	6	3	723	30%		7		7	730
	NT	1	1	1	1			1						1
	NL	156	158	158	168			168						168
	ER													
	ET	478	485	617	655	5	2	662	33%		7		7	669
	EL	49	50	50	53			53						53
3	N French Road/ Proposed Westerly Driveway													
	SR									45%		30	30	30
	ST													
	SL													
	WR								6%		1		1	1
	WT	701	701	701	744	33	18	795		18%		12	12	807
	WL													
	NR													
	NT													
	NL													
	ER													
	ET	1290	1290	1290	1369	11	5	1385	63%		14		14	1399
	EL													
4	N French Road/ Proposed EasterlyDriveway													
	SR									18%		12	12	12
	ST													
	SL									37%		25	25	25
	WR								31%		7		7	7
	WT	701	701	701	744	33	18	795	6%		1		1	796
	WL													
	NR													
	NT													
	NL													
	ER													
	ET	1290	1290	1290	1369	11	5	1385						1385
	EL								63%		14		14	14
5	N French Road/ Miller Road													
	SR													
	ST													
	SL													
	WR													
	WT	684	684	684	726	33	18	777	36%		8		8	785
	WL	3	3	3	3			3						3
	NR	3	3	3	3			3	1%		0		0	3
	NT													
	NL	17	17	17	18			18						18
	ER	16	16	16	17			17						17
	ET	1274	1274	1274	1352	11	5	1368		37%		25	25	1393
	EL													
6	N French Road/ Corsspoint Parkway		2											
	SR	50	52	52	55	33		88	2%		0		0	88
	ST													
	SL	21	22	22	23	23	1	47						47
	WR	79	81	81	86	7	2	95						95
	WT	613	632	635	674		18	692	34%		8		8	700
	WL													
	NR													
	NT													
	NL													
	ER													
	ET	613	632	928	985		5	990		35%		24	24	1014
	EL	231	238	349	370	11		381		2%		1	1	382

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PROJECT: N French Road Residential Development
LOCATION: Town of Amherst, New York
PEAK HOUR: PM Peak RIRO

Figure Number: 3A 3B 4 5B 6B 7B

Num of yrs: 4

LOCATION NUMBER	INTERSECTION DESCRIPTION	Existing Volumes	2023 Existing Volumes	2023 Adjusted Volumes	2027 Bkgd Vol 1.5%	50 Crosspoint	3325 Millersport	2027 Bkgd Volumes	Residential Development				Total Site Trips	Full Build Volumes
									Enter Dist. %	Exit Dist. %	Trips IN 64	Trips OUT 40		
1	N French Road/ I-990 SB Ramps		1											
	SR	43	44	44	47			47						47
	ST													
	SL	4	4	4	4			4						4
	WR													
	WT	840	853	950	1008	13	7	1028		33%		13	13	1041
	WL	529	537	598	635	9	4	648		30%		12	12	660
	NR													
	NT													
	NL													
	ER	209	212	212	225			225						225
	ET	547	555	608	645	18	9	672	33%		21		21	693
	EL													
2	N French Road/ I-990 NB Ramps													
	SR													
	ST													
	SL													
	WR													
	WT	1000	1015	1214	1288	21	11	1320		63%		25	25	1345
	WL													
	NR	489	496	519	551	17	9	577	30%		19		19	596
	NT	1	1	1	1			1						1
	NL	329	334	334	354			354						354
	ER													
	ET	533	541	567	602	18	9	629	33%		21		21	650
	EL	44	45	45	48			48						48
3	N French Road/ Proposed Westerly Driveway													
	SR									45%		18	18	18
	ST													
	SL													
	WR								6%		4		4	4
	WT		1214	1214	1288	21	11	1320		18%		7	7	1327
	WL													
	NR													
	NT													
	NL													
	ER													
	ET		1086	1086	1153	35	18	1206	63%		40		40	1246
	EL													
4	N French Road/ Proposed Easterly Driveway													
	SR									18%		7	7	7
	ST													
	SL									37%		15	15	15
	WR								31%		20		20	20
	WT		1214	1214	1288	21	11	1320	6%		4		4	1324
	WL													
	NR													
	NT													
	NL													
	ER													
	ET		1086	1086	1153	35	18	1206						1206
	EL								63%		40		40	40
5	N French Road/ Miller Road													
	SR													
	ST													
	SL													
	WR													
	WT	1198	1198	1198	1272	21	11	1304	36%		23		23	1327
	WL	10	10	10	11			11						11
	NR	3	3	3	3			3	1%		1		1	4
	NT													
	NL	16	16	16	17			17						17
	ER	35	35	35	37			37						37
	ET	1051	1051	1051	1115	35	18	1168		37%		15	15	1183
	EL													
6	N French Road/ Corsspoint Parkway		2											
	SR	175	180	267	283	21		304	2%		1		1	305
	ST													
	SL	66	68	68	72	14	3	89						89
	WR	43	44	44	47	24	2	73						73
	WT	615	634	941	999		11	1010	34%		22		22	1032
	WL													
	NR													
	NT													
	NL													
	ER													
	ET	863	889	976	1036		18	1054		35%		14	14	1068
	EL	69	71	78	83	35		118		2%		1	1	119

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PROJECT DETAILS

Project Name:	N French Update	Type of Project:	
Project No:		City:	
Country:		Built-up Area(Sq.ft):	
Analyst Name:	Amy Dake	Clients Name:	
Date:	8/27/2024	ZIP/Postal Code:	
State/Province:		No. of Scenarios:	2
Analysis Region:			

SCENARIO SUMMARY

Scenarios	Name	No. of Land Uses	Phases of Development	No. of Years to Project Traffic	User Group	Estimated New Vehicle Trips		
						Entry	Exit	Total
Scenario - 1	AM Peak Hour	3	1	0		22	67	89
Scenario - 2	PM Peak Hour	3	1	0		64	40	104

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

Scenario - 1

Scenario Name: AM Peak Hour
User Group:
Dev. phase: 1
No. of Years to Project Traffic : 0
Analyst Note:
Warning:

VEHICLE TRIPS BEFORE REDUCTION

Land Use & Data Source	Location	IV	Size	Time Period	Method Rate/Equation	Entry Split%	Exit Split%	Total
215 - Single-Family Attached Housing	General Urban/Suburban	Dwelling Units	69	Weekday, Peak Hour of Adjacent Street Traffic,	Best Fit (LIN)	8	23	31
Data Source: Trip Generation Manual, 11th Ed					T = 0.52(X) - 5.70	25%	75%	
210 - Single-Family Detached Housing	General Urban/Suburban	Dwelling Units	36	Weekday, Peak Hour of Adjacent Street Traffic,	Best Fit (LOG)	7	22	29
Data Source: Trip Generation Manual, 11th Ed					Ln(T) =0.91Ln(X) + 0.12	25%	75%	
220 - Multifamily Housing (Low-Rise) - Not Close	General Urban/Suburban	Dwelling Units	20	Weekday, Peak Hour of Adjacent Street Traffic,	Best Fit (LIN)	7	22	29
Data Source: Trip Generation Manual, 11th Ed					T = 0.31(X) + 22.85	24%	76%	

VEHICLE TO PERSON TRIP CONVERSION

BASELINE SITE VEHICLE CHARACTERISTICS:

Land Use	Baseline Site Vehicle Mode Share		Baseline Site Vehicle Occupancy		Baseline Site Vehicle Directional Split	
	Entry (%)	Exit (%)	Entry	Exit	Entry (%)	Exit (%)
215 - Single-Family Attached Housing	100	100	1	1	25	75
210 - Single-Family Detached Housing	100	100	1	1	25	75
220 - Multifamily Housing (Low-Rise) - Not Close to Rail Transit	100	100	1	1	24	76

ESTIMATED BASELINE SITE PERSON TRIPS:

Land Use	Person Trips by Vehicle		Person Trips by Other Modes		Total Baseline Site Person Trips	
	Entry	Exit	Entry	Exit	Entry	Exit
215 - Single-Family Attached Housing	8	23	0	0	8	23
	31		0		31	
210 - Single-Family Detached Housing	7	22	0	0	7	22
	29		0		29	
220 - Multifamily Housing (Low-Rise) - Not Close to Rail Transit	7	22	0	0	7	22
	29		0		29	

NEW VEHICLE TRIPS

Land Use	New Vehicle Trips		
	Entry	Exit	Total
215 - Single-Family Attached Housing	8	23	31
210 - Single-Family Detached Housing	7	22	29
220 - Multifamily Housing (Low-Rise) - Not Close to Rail Transit	7	22	29

RESULTS

Site Totals	Entry	Exit	Total
Vehicle Trips Before Reduction	22	67	89
External Vehicle Trips	22	67	89
New Vehicle Trips	22	67	89

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

Scenario - 2

Scenario Name: PM Peak Hour
User Group:
Dev. phase: 1
No. of Years to Project Traffic : 0
Analyst Note:
Warning:

VEHICLE TRIPS BEFORE REDUCTION

Land Use & Data Source	Location	IV	Size	Time Period	Method Rate/Equation	Entry Split%	Exit Split%	Total
215 - Single-Family Attached Housing	General Urban/Suburban	Dwelling Units	69	Weekday, Peak Hour of Adjacent Street Traffic,	Best Fit (LIN)	22	15	37
Data Source: Trip Generation Manual, 11th Ed					T = 0.60(X) - 3.93	59%	41%	
210 - Single-Family Detached Housing	General Urban/Suburban	Dwelling Units	36	Weekday, Peak Hour of Adjacent Street Traffic,	Best Fit (LOG)	24	14	38
Data Source: Trip Generation Manual, 11th Ed					Ln(T) =0.94Ln(X) + 0.27	63%	37%	
220 - Multifamily Housing (Low-Rise) - Not Close	General Urban/Suburban	Dwelling Units	20	Weekday, Peak Hour of Adjacent Street Traffic,	Best Fit (LIN)	18	11	29
Data Source: Trip Generation Manual, 11th Ed					T = 0.43(X) + 20.55	63%	37%	

VEHICLE TO PERSON TRIP CONVERSION

BASELINE SITE VEHICLE CHARACTERISTICS:

Land Use	Baseline Site Vehicle Mode Share		Baseline Site Vehicle Occupancy		Baseline Site Vehicle Directional Split	
	Entry (%)	Exit (%)	Entry	Exit	Entry (%)	Exit (%)
215 - Single-Family Attached Housing	100	100	1	1	59	41
210 - Single-Family Detached Housing	100	100	1	1	63	37
220 - Multifamily Housing (Low-Rise) - Not Close to Rail Transit	100	100	1	1	63	37

ESTIMATED BASELINE SITE PERSON TRIPS:

Land Use	Person Trips by Vehicle		Person Trips by Other Modes		Total Baseline Site Person Trips	
	Entry	Exit	Entry	Exit	Entry	Exit
215 - Single-Family Attached Housing	22	15	0	0	22	15
	37		0		37	
210 - Single-Family Detached Housing	24	14	0	0	24	14
	38		0		38	
220 - Multifamily Housing (Low-Rise) - Not Close to Rail Transit	18	11	0	0	18	11
	29		0		29	

NEW VEHICLE TRIPS

Land Use	New Vehicle Trips		
	Entry	Exit	Total
215 - Single-Family Attached Housing	22	15	37
210 - Single-Family Detached Housing	24	14	38
220 - Multifamily Housing (Low-Rise) - Not Close to Rail Transit	18	11	29

RESULTS

Site Totals	Entry	Exit	Total
Vehicle Trips Before Reduction	64	40	104
External Vehicle Trips	64	40	104
New Vehicle Trips	64	40	104

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

Guideline for a major-road left-turn bay on a four lane undivided Road at an unsignalized intersection

N French Rd Proposed Easterly Driveway AM Peak Right in-Right out

INPUT

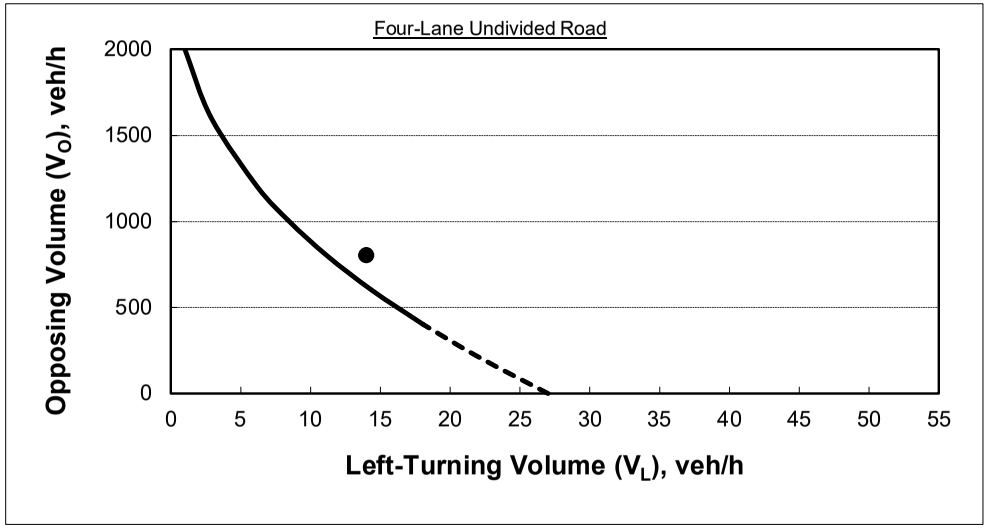
Variable	Value
Left-turning volume (V_L), veh/h:	14
Advancing volume (V_A), veh/h: (Left + Thru + Right)	1399
Opposing volume (V_O), veh/h: (Thru + Right)	803

OUTPUT

Variable	Message
Combined volume (V_A and V_O) check:	O.K.
Guidance for determining the need for a major-road left-turn bay:	
LEFT-TURN TREATMENT WARRANTED.	

CALIBRATION CONSTANTS

Variable	Value
Average time for making left-turn, s:	4.0
Critical headway/Gap, s:	6.0



Note: When V_O < 400 veh/h (dashed line), a left-turn lane is not normally warranted unless the advancing volume (V_A) in the same direction as the left-turning traffic exceeds 400 veh/h (V_A > 400 veh/h).

Guideline for a major-road left-turn bay on a four lane undivided Road at an unsignalized intersection

N French Rd Proposed Easterly Driveway PM Peak Right in-Right out

INPUT

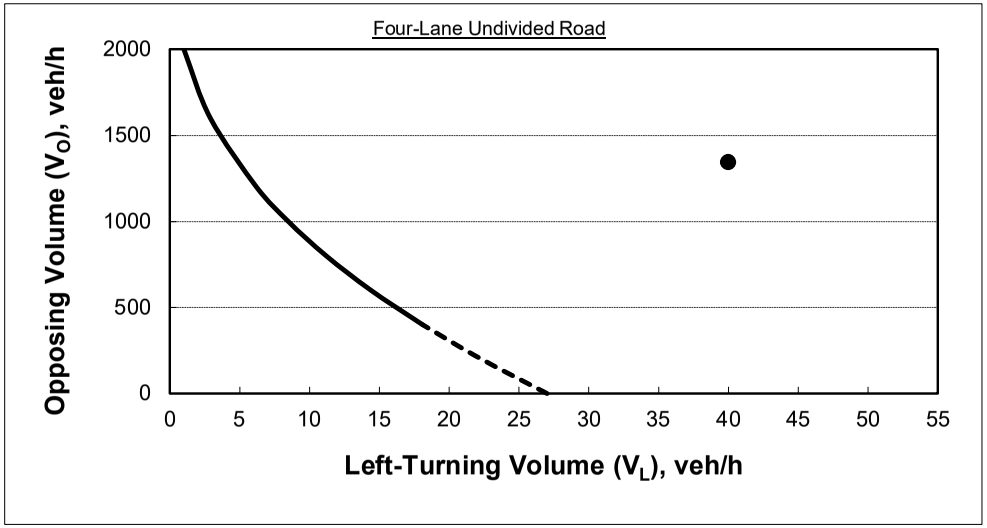
Variable	Value
Left-turning volume (V_L), veh/h:	40
Advancing volume (V_A), veh/h: (Left + Thru + Right)	1246
Opposing volume (V_O), veh/h: (Thru + Right)	1344

OUTPUT

Variable	Message
Combined volume (V_A and V_O) check:	O.K.
Guidance for determining the need for a major-road left-turn bay:	
LEFT-TURN TREATMENT WARRANTED.	

CALIBRATION CONSTANTS

Variable	Value
Average time for making left-turn, s:	4.0
Critical headway/Gap, s:	6.0



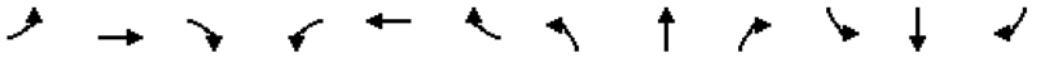
Note: When V_O < 400 veh/h (dashed line), a left-turn lane is not normally warranted unless the advancing volume (V_A) in the same direction as the left-turning traffic exceeds 400 veh/h (V_A > 400 veh/h).

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

APPENDIX C: LOS CALCULATIONS – EXISTING CONDITIONS

Lanes, Volumes, Timings
1: I-990 SB Ramps & N French Rd

2023 Existing AM
03/28/2024



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (vph)	0	666	403	397	462	0	0	0	0	1	0	52
Future Volume (vph)	0	666	403	397	462	0	0	0	0	1	0	52
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Storage Length (ft)	0		300	0		0	0		0	0		0
Storage Lanes	0		1	2		0	0		0	0		0
Taper Length (ft)	25			25			25			25		
Lane Util. Factor	1.00	0.95	1.00	0.97	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Frt			0.850								0.867	
Flt Protected				0.950							0.999	
Satd. Flow (prot)	0	3471	1495	3400	1712	0	0	0	0	0	1554	0
Flt Permitted				0.950							0.999	
Satd. Flow (perm)	0	3471	1495	3400	1712	0	0	0	0	0	1554	0
Right Turn on Red			Yes			Yes			Yes			Yes
Satd. Flow (RTOR)			291								147	
Link Speed (mph)		45			45			30			30	
Link Distance (ft)		612			440			428			410	
Travel Time (s)		9.3			6.7			9.7			9.3	
Peak Hour Factor	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
Heavy Vehicles (%)	0%	4%	8%	3%	11%	0%	0%	0%	0%	0%	0%	6%
Adj. Flow (vph)	0	709	429	422	491	0	0	0	0	1	0	55
Shared Lane Traffic (%)												
Lane Group Flow (vph)	0	709	429	422	491	0	0	0	0	0	56	0
Enter Blocked Intersection	No	No	No	No	No	No	No	No	No	No	No	No
Lane Alignment	Left	Left	Right	Left	Left	Right	Left	Left	Right	Left	Left	Right
Median Width(ft)		24			24			0			0	
Link Offset(ft)		0			0			0			0	
Crosswalk Width(ft)		16			16			16			16	
Two way Left Turn Lane												
Headway Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Turning Speed (mph)	15		9	15		9	15		9	15		9
Turn Type		NA	Perm	Prot	NA					Perm	NA	
Protected Phases		2 3 7		1	1 2 3 7						4	
Permitted Phases			2 3 7							4		
Detector Phase		2 3 7	2 3 7	1	1 2 3 7					4	4	
Switch Phase												
Minimum Initial (s)				10.0						6.0	6.0	
Minimum Split (s)				15.7						12.2	12.2	
Total Split (s)				40.0						15.0	15.0	
Total Split (%)				25.8%						9.7%	9.7%	
Maximum Green (s)				34.3						8.8	8.8	
Yellow Time (s)				4.3						3.6	3.6	
All-Red Time (s)				1.4						2.6	2.6	
Lost Time Adjust (s)				0.0							0.0	
Total Lost Time (s)				5.7							6.2	
Lead/Lag				Lead						Lag	Lag	
Lead-Lag Optimize?				Yes						Yes	Yes	
Vehicle Extension (s)				3.0						3.0	3.0	
Recall Mode				None						None	None	

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

Lane Group	Ø2	Ø3	Ø7
Lane Configurations			
Traffic Volume (vph)			
Future Volume (vph)			
Ideal Flow (vphpl)			
Storage Length (ft)			
Storage Lanes			
Taper Length (ft)			
Lane Util. Factor			
Frt			
Flt Protected			
Satd. Flow (prot)			
Flt Permitted			
Satd. Flow (perm)			
Right Turn on Red			
Satd. Flow (RTOR)			
Link Speed (mph)			
Link Distance (ft)			
Travel Time (s)			
Peak Hour Factor			
Heavy Vehicles (%)			
Adj. Flow (vph)			
Shared Lane Traffic (%)			
Lane Group Flow (vph)			
Enter Blocked Intersection			
Lane Alignment			
Median Width(ft)			
Link Offset(ft)			
Crosswalk Width(ft)			
Two way Left Turn Lane			
Headway Factor			
Turning Speed (mph)			
Turn Type			
Protected Phases	2	3	7
Permitted Phases			
Detector Phase			
Switch Phase			
Minimum Initial (s)	20.0	6.0	10.0
Minimum Split (s)	45.3	12.2	15.7
Total Split (s)	37.0	48.0	15.0
Total Split (%)	24%	31%	10%
Maximum Green (s)	30.7	41.8	9.3
Yellow Time (s)	4.3	3.6	4.3
All-Red Time (s)	2.0	2.6	1.4
Lost Time Adjust (s)			
Total Lost Time (s)			
Lead/Lag	Lag	Lead	
Lead-Lag Optimize?	Yes	Yes	
Vehicle Extension (s)	2.0	4.0	5.0
Recall Mode	Min	None	None

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

Lanes, Volumes, Timings
1: I-990 SB Ramps & N French Rd

2023 Existing AM
03/28/2024

Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Walk Time (s)												
Flash Dont Walk (s)												
Pedestrian Calls (#/hr)												
Act Effct Green (s)		81.1	81.1	31.2	125.0						8.9	
Actuated g/C Ratio		0.56	0.56	0.21	0.86						0.06	
v/c Ratio		0.36	0.44	0.58	0.33						0.24	
Control Delay (s/veh)		10.8	4.7	47.9	4.5						2.4	
Queue Delay		0.0	0.0	0.0	0.1						0.0	
Total Delay (s/veh)		10.8	4.7	47.9	4.7						2.4	
LOS		B	A	D	A						A	
Approach Delay (s/veh)		8.5			24.7						2.5	
Approach LOS		A			C						A	
Queue Length 50th (ft)		131	42	203	179						0	
Queue Length 95th (ft)		160	87	263	179						0	
Internal Link Dist (ft)		532			360			348			330	
Turn Bay Length (ft)			300									
Base Capacity (vph)		1978	977	807	1485						232	
Starvation Cap Reductn		0	0	0	368						0	
Spillback Cap Reductn		0	0	0	0						0	
Storage Cap Reductn		0	0	0	0						0	
Reduced v/c Ratio		0.36	0.44	0.52	0.44						0.24	

Intersection Summary			
Area Type:	Other		
Cycle Length: 155			
Actuated Cycle Length: 145.9			
Natural Cycle: 105			
Control Type: Actuated-Uncoordinated			
Maximum v/c Ratio: 0.59			
Intersection Signal Delay (s/veh): 15.4		Intersection LOS: B	
Intersection Capacity Utilization 56.4%		ICU Level of Service B	
Analysis Period (min) 15			

Splits and Phases: 1: I-990 SB Ramps & N French Rd



Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

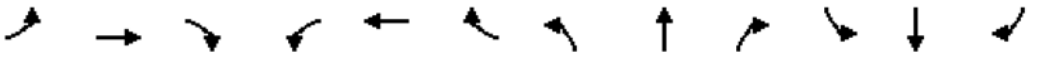
Lane Group	Ø2	Ø3	Ø7
Walk Time (s)	7.0	7.0	
Flash Dont Walk (s)	32.0	32.0	
Pedestrian Calls (#/hr)	0	0	
Act Effct Green (s)			
Actuated g/C Ratio			
v/c Ratio			
Control Delay (s/veh)			
Queue Delay			
Total Delay (s/veh)			
LOS			
Approach Delay (s/veh)			
Approach LOS			
Queue Length 50th (ft)			
Queue Length 95th (ft)			
Internal Link Dist (ft)			
Turn Bay Length (ft)			
Base Capacity (vph)			
Starvation Cap Reductn			
Spillback Cap Reductn			
Storage Cap Reductn			
Reduced v/c Ratio			

Intersection Summary

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

Lanes, Volumes, Timings
2: I-990 NB Ramps & N French Rd

2023 Existing AM
03/28/2024



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (vph)	50	617	0	0	701	0	158	1	673	0	0	0
Future Volume (vph)	50	617	0	0	701	0	158	1	673	0	0	0
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Storage Length (ft)	0		0	250		0	0		0	0		0
Storage Lanes	0		0	1		0	1		1	0		0
Taper Length (ft)	25			25			25			25		
Lane Util. Factor	0.95	0.95	1.00	1.00	0.91	0.91	1.00	0.95	0.95	1.00	1.00	1.00
Frt								0.850	0.850			
Flt Protected		0.996					0.950					
Satd. Flow (prot)	0	3457	0	0	5036	0	1543	1475	1475	0	0	0
Flt Permitted		0.818					0.950					
Satd. Flow (perm)	0	2839	0	0	5036	0	1543	1475	1475	0	0	0
Right Turn on Red			Yes			Yes			Yes			Yes
Satd. Flow (RTOR)								296	296			
Link Speed (mph)		45			45			30			30	
Link Distance (ft)		440			1666			515			456	
Travel Time (s)		6.7			25.2			11.7			10.4	
Peak Hour Factor	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
Heavy Vehicles (%)	4%	4%	0%	0%	3%	0%	17%	0%	4%	0%	0%	0%
Adj. Flow (vph)	53	656	0	0	746	0	168	1	716	0	0	0
Shared Lane Traffic (%)									50%			
Lane Group Flow (vph)	0	709	0	0	746	0	168	359	358	0	0	0
Enter Blocked Intersection	No	No	No	No	No	No	No	No	No	No	No	No
Lane Alignment	Left	Left	Right	Left	Left	Right	Left	Left	Right	Left	Left	Right
Median Width(ft)		0			0			12			12	
Link Offset(ft)		0			0			0			0	
Crosswalk Width(ft)		16			16			16			16	
Two way Left Turn Lane												
Headway Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Turning Speed (mph)	15		9	15		9	15		9	15		9
Turn Type	Perm	NA			NA		Perm	NA	Perm			
Protected Phases		1 2 4 7			1 2 4			3				
Permitted Phases	1 2 4 7						3		3			
Detector Phase	1 2 4 7	1 2 4 7			1 2 4		3	3	3			
Switch Phase												
Minimum Initial (s)							6.0	6.0	6.0			
Minimum Split (s)							12.2	12.2	12.2			
Total Split (s)							48.0	48.0	48.0			
Total Split (%)							31.0%	31.0%	31.0%			
Maximum Green (s)							41.8	41.8	41.8			
Yellow Time (s)							3.6	3.6	3.6			
All-Red Time (s)							2.6	2.6	2.6			
Lost Time Adjust (s)							0.0	0.0	0.0			
Total Lost Time (s)							6.2	6.2	6.2			
Lead/Lag							Lead	Lead	Lead			
Lead-Lag Optimize?							Yes	Yes	Yes			
Vehicle Extension (s)							4.0	4.0	4.0			
Recall Mode							None	None	None			

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

Lane Group	Ø1	Ø2	Ø4	Ø7
Lane Configurations				
Traffic Volume (vph)				
Future Volume (vph)				
Ideal Flow (vphpl)				
Storage Length (ft)				
Storage Lanes				
Taper Length (ft)				
Lane Util. Factor				
Frt				
Flt Protected				
Satd. Flow (prot)				
Flt Permitted				
Satd. Flow (perm)				
Right Turn on Red				
Satd. Flow (RTOR)				
Link Speed (mph)				
Link Distance (ft)				
Travel Time (s)				
Peak Hour Factor				
Heavy Vehicles (%)				
Adj. Flow (vph)				
Shared Lane Traffic (%)				
Lane Group Flow (vph)				
Enter Blocked Intersection				
Lane Alignment				
Median Width(ft)				
Link Offset(ft)				
Crosswalk Width(ft)				
Two way Left Turn Lane				
Headway Factor				
Turning Speed (mph)				
Turn Type				
Protected Phases	1	2	4	7
Permitted Phases				
Detector Phase				
Switch Phase				
Minimum Initial (s)	10.0	20.0	6.0	10.0
Minimum Split (s)	15.7	45.3	12.2	15.7
Total Split (s)	40.0	37.0	15.0	15.0
Total Split (%)	26%	24%	10%	10%
Maximum Green (s)	34.3	30.7	8.8	9.3
Yellow Time (s)	4.3	4.3	3.6	4.3
All-Red Time (s)	1.4	2.0	2.6	1.4
Lost Time Adjust (s)				
Total Lost Time (s)				
Lead/Lag	Lead	Lag	Lag	
Lead-Lag Optimize?	Yes	Yes	Yes	
Vehicle Extension (s)	3.0	2.0	3.0	5.0
Recall Mode	None	Min	None	None

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Walk Time (s)							7.0	7.0	7.0			
Flash Dont Walk (s)							32.0	32.0	32.0			
Pedestrian Calls (#/hr)							0	0	0			
Act Effct Green (s)		94.8			73.9		39.1	39.1	39.1			
Actuated g/C Ratio		0.65			0.51		0.27	0.27	0.27			
v/c Ratio		0.38			0.29		0.40	0.58	0.58			
Control Delay (s/veh)		12.7			13.4		48.4	13.7	13.5			
Queue Delay		0.7			0.0		0.0	0.0	0.0			
Total Delay (s/veh)		13.4			13.4		48.4	13.7	13.5			
LOS		B			B		D	B	B			
Approach Delay (s/veh)		13.4			13.4			20.3				
Approach LOS		B			B			C				
Queue Length 50th (ft)		141			106		139	50	50			
Queue Length 95th (ft)		164			127		216	165	164			
Internal Link Dist (ft)		360			1586			435			376	
Turn Bay Length (ft)												
Base Capacity (vph)		1910			2667		446	636	636			
Starvation Cap Reductn		807			0		0	0	0			
Spillback Cap Reductn		0			0		0	0	0			
Storage Cap Reductn		0			0		0	0	0			
Reduced v/c Ratio		0.64			0.28		0.38	0.56	0.56			

Intersection Summary			
Area Type:	Other		
Cycle Length: 155			
Actuated Cycle Length: 145.9			
Natural Cycle: 105			
Control Type: Actuated-Uncoordinated			
Maximum v/c Ratio: 0.59			
Intersection Signal Delay (s/veh): 16.0		Intersection LOS: B	
Intersection Capacity Utilization 60.7%		ICU Level of Service B	
Analysis Period (min) 15			

Splits and Phases: 2: I-990 NB Ramps & N French Rd

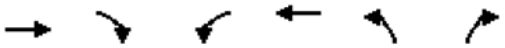


Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

Lane Group	Ø1	Ø2	Ø4	Ø7
Walk Time (s)		7.0		
Flash Dont Walk (s)		32.0		
Pedestrian Calls (#/hr)		0		
Act Effct Green (s)				
Actuated g/C Ratio				
v/c Ratio				
Control Delay (s/veh)				
Queue Delay				
Total Delay (s/veh)				
LOS				
Approach Delay (s/veh)				
Approach LOS				
Queue Length 50th (ft)				
Queue Length 95th (ft)				
Internal Link Dist (ft)				
Turn Bay Length (ft)				
Base Capacity (vph)				
Starvation Cap Reductn				
Spillback Cap Reductn				
Storage Cap Reductn				
Reduced v/c Ratio				

Intersection Summary

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)



Lane Group	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Traffic Volume (vph)	1274	16	3	684	17	3
Future Volume (vph)	1274	16	3	684	17	3
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Lane Util. Factor	0.95	0.95	0.95	0.95	1.00	1.00
Frt	0.998				0.982	
Flt Protected					0.959	
Satd. Flow (prot)	3530	0	0	3505	1701	0
Flt Permitted					0.959	
Satd. Flow (perm)	3530	0	0	3505	1701	0
Link Speed (mph)	45			45	35	
Link Distance (ft)	1666			564	623	
Travel Time (s)	25.2			8.5	12.1	
Peak Hour Factor	0.90	0.90	0.90	0.90	0.90	0.90
Heavy Vehicles (%)	2%	6%	0%	3%	6%	0%
Adj. Flow (vph)	1416	18	3	760	19	3
Shared Lane Traffic (%)						
Lane Group Flow (vph)	1434	0	0	763	22	0
Enter Blocked Intersection	No	No	No	No	No	No
Lane Alignment	Left	Right	Left	Left	Left	Right
Median Width(ft)	24			24	12	
Link Offset(ft)	0			0	0	
Crosswalk Width(ft)	16			16	16	
Two way Left Turn Lane						
Headway Factor	1.00	1.00	1.00	1.00	1.00	1.00
Turning Speed (mph)		9	15		15	9
Sign Control	Free			Free	Stop	

Intersection Summary			
Area Type:	Other		
Control Type: Unsignalized			
Intersection Capacity Utilization 45.7%		ICU Level of Service A	
Analysis Period (min) 15			

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

Intersection	
Int Delay, s/veh	0.8

Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Traffic Vol, veh/h	1274	16	3	684	17	3
Future Vol, veh/h	1274	16	3	684	17	3
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	0	-
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	90	90	90	90	90	90
Heavy Vehicles, %	2	6	0	3	6	0
Mvmt Flow	1416	18	3	760	19	3

Major/Minor	Major1		Major2		Minor1	
Conflicting Flow All	0	0	1433	0	1811	717
Stage 1	-	-	-	-	1424	-
Stage 2	-	-	-	-	387	-
Critical Hdwy	-	-	4.1	-	6.92	6.9
Critical Hdwy Stg 1	-	-	-	-	5.92	-
Critical Hdwy Stg 2	-	-	-	-	5.92	-
Follow-up Hdwy	-	-	2.2	-	3.56	3.3
Pot Cap-1 Maneuver	-	-	480	-	67	377
Stage 1	-	-	-	-	181	-
Stage 2	-	-	-	-	644	-
Platoon blocked, %	-	-		-		
Mov Cap-1 Maneuver	-	-	480	-	66	377
Mov Cap-2 Maneuver	-	-	-	-	66	-
Stage 1	-	-	-	-	181	-
Stage 2	-	-	-	-	639	-

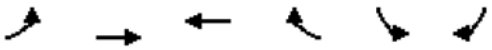
Approach	EB	WB	NB
HCM Control Delay, s/v	0	0.16	71.3
HCM LOS			F

Minor Lane/Major Mvmt	NBLn1	EBT	EBR	WBL	WBT
Capacity (veh/h)	76	-	-	16	-
HCM Lane V/C Ratio	0.294	-	-	0.007	-
HCM Control Delay (s/veh)	71.3	-	-	12.6	0.1
HCM Lane LOS	F	-	-	B	A
HCM 95th %tile Q(veh)	1.1	-	-	0	-

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

Lanes, Volumes, Timings
6: N French Rd & Crosspoint Pkwy

2023 Existing AM
03/28/2024



Lane Group	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Volume (vph)	349	928	635	81	22	52
Future Volume (vph)	349	928	635	81	22	52
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Storage Length (ft)	205			150	0	210
Storage Lanes	2			1	1	1
Taper Length (ft)	25				25	
Lane Util. Factor	0.97	0.95	0.95	1.00	1.00	0.88
Frt				0.850		0.850
Flt Protected	0.950				0.950	
Satd. Flow (prot)	3467	3438	3471	1538	1719	2682
Flt Permitted	0.950				0.950	
Satd. Flow (perm)	3467	3438	3471	1538	1719	2682
Right Turn on Red				Yes		Yes
Satd. Flow (RTOR)				92		62
Link Speed (mph)		45	45		30	
Link Distance (ft)		564	586		717	
Travel Time (s)		8.5	8.9		16.3	
Peak Hour Factor	0.84	0.84	0.84	0.84	0.84	0.84
Heavy Vehicles (%)	1%	5%	4%	5%	5%	6%
Adj. Flow (vph)	415	1105	756	96	26	62
Shared Lane Traffic (%)						
Lane Group Flow (vph)	415	1105	756	96	26	62
Enter Blocked Intersection	No	No	No	No	No	No
Lane Alignment	Left	Left	Left	Right	Left	Right
Median Width(ft)		24	24		12	
Link Offset(ft)		0	0		0	
Crosswalk Width(ft)		16	16		16	
Two way Left Turn Lane						
Headway Factor	1.00	1.00	1.00	1.00	1.00	1.00
Turning Speed (mph)	15			9	15	9
Turn Type	Prot	NA	NA	Perm	Prot	Perm
Protected Phases	1	6	2		3	
Permitted Phases				2		3
Detector Phase	1	6	2	2	3	3
Switch Phase						
Minimum Initial (s)	6.0	15.0	15.0	15.0	6.0	6.0
Minimum Split (s)	10.7	21.4	21.4	21.4	11.8	11.8
Total Split (s)	20.0	65.0	45.0	45.0	40.0	40.0
Total Split (%)	19.0%	61.9%	42.9%	42.9%	38.1%	38.1%
Maximum Green (s)	15.3	58.6	38.6	38.6	34.2	34.2
Yellow Time (s)	3.2	5.0	5.0	5.0	3.2	3.2
All-Red Time (s)	1.5	1.4	1.4	1.4	2.6	2.6
Lost Time Adjust (s)	0.0	0.0	0.0	0.0	0.0	0.0
Total Lost Time (s)	4.7	6.4	6.4	6.4	5.8	5.8
Lead/Lag	Lead		Lag	Lag		
Lead-Lag Optimize?	Yes		Yes	Yes		
Vehicle Extension (s)	3.0	3.0	3.0	3.0	3.0	3.0
Recall Mode	None	Min	Min	Min	None	None

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

Lane Group	EBL	EBT	WBT	WBR	SBL	SBR
Walk Time (s)			7.0	7.0		
Flash Dont Walk (s)			15.0	15.0		
Pedestrian Calls (#/hr)			0	0		
Act Effct Green (s)	12.8	39.0	19.3	19.3	6.9	6.9
Actuated g/C Ratio	0.24	0.73	0.36	0.36	0.13	0.13
v/c Ratio	0.49	0.43	0.60	0.15	0.11	0.15
Control Delay (s/veh)	21.2	4.8	17.2	4.5	25.6	9.2
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay (s/veh)	21.2	4.8	17.2	4.5	25.6	9.2
LOS	C	A	B	A	C	A
Approach Delay (s/veh)		9.3	15.9		14.1	
Approach LOS		A	B		B	
Queue Length 50th (ft)	59	75	107	1	8	0
Queue Length 95th (ft)	104	105	156	23	27	14
Internal Link Dist (ft)		484	506		637	
Turn Bay Length (ft)	205			150		210
Base Capacity (vph)	1047	3350	2569	1162	1160	1831
Starvation Cap Reductn	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0
Reduced v/c Ratio	0.40	0.33	0.29	0.08	0.02	0.03

Intersection Summary			
Area Type:	Other		
Cycle Length: 105			
Actuated Cycle Length: 53.1			
Natural Cycle: 50			
Control Type: Actuated-Uncoordinated			
Maximum v/c Ratio: 0.60			
Intersection Signal Delay (s/veh): 11.7		Intersection LOS: B	
Intersection Capacity Utilization 46.6%		ICU Level of Service A	
Analysis Period (min) 15			

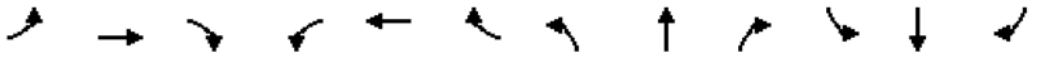
Splits and Phases: 6: N French Rd & Crosspoint Pkwy



Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

Lanes, Volumes, Timings
1: I-990 SB Ramps & N French Rd

2023 Existing PM
03/28/2024



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (vph)	0	608	212	598	950	0	0	0	0	4	0	44
Future Volume (vph)	0	608	212	598	950	0	0	0	0	4	0	44
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Storage Length (ft)	0		300	0		0	0		0	0		0
Storage Lanes	0		1	2		0	0		0	0		0
Taper Length (ft)	25			25			25			25		
Lane Util. Factor	1.00	0.95	1.00	0.97	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Frt			0.850								0.875	
Flt Protected				0.950							0.996	
Satd. Flow (prot)	0	3574	1538	3433	1881	0	0	0	0	0	1656	0
Flt Permitted				0.950							0.996	
Satd. Flow (perm)	0	3574	1538	3433	1881	0	0	0	0	0	1656	0
Right Turn on Red			Yes			Yes			Yes			Yes
Satd. Flow (RTOR)			236								147	
Link Speed (mph)		45			45			30			30	
Link Distance (ft)		612			440			428			410	
Travel Time (s)		9.3			6.7			9.7			9.3	
Peak Hour Factor	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89
Heavy Vehicles (%)	0%	1%	5%	2%	1%	0%	0%	0%	0%	0%	0%	0%
Adj. Flow (vph)	0	683	238	672	1067	0	0	0	0	4	0	49
Shared Lane Traffic (%)												
Lane Group Flow (vph)	0	683	238	672	1067	0	0	0	0	0	53	0
Enter Blocked Intersection	No	No	No	No	No	No	No	No	No	No	No	No
Lane Alignment	Left	Left	Right	Left	Left	Right	Left	Left	Right	Left	Left	Right
Median Width(ft)		24			24			0			0	
Link Offset(ft)		0			0			0			0	
Crosswalk Width(ft)		16			16			16			16	
Two way Left Turn Lane												
Headway Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Turning Speed (mph)	15		9	15		9	15		9	15		9
Turn Type		NA	Perm	Prot	NA					Perm	NA	
Protected Phases		2 3 7		1	1 2 3 7						4	
Permitted Phases			2 3 7							4		
Detector Phase		2 3 7	2 3 7	1	1 2 3 7					4	4	
Switch Phase												
Minimum Initial (s)				10.0						6.0	6.0	
Minimum Split (s)				15.7						12.2	12.2	
Total Split (s)				40.0						15.0	15.0	
Total Split (%)				25.8%						9.7%	9.7%	
Maximum Green (s)				34.3						8.8	8.8	
Yellow Time (s)				4.3						3.6	3.6	
All-Red Time (s)				1.4						2.6	2.6	
Lost Time Adjust (s)				0.0							0.0	
Total Lost Time (s)				5.7							6.2	
Lead/Lag				Lead						Lag	Lag	
Lead-Lag Optimize?				Yes						Yes	Yes	
Vehicle Extension (s)				3.0						3.0	3.0	
Recall Mode				None						None	None	

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

Lane Group	Ø2	Ø3	Ø7
Lane Configurations			
Traffic Volume (vph)			
Future Volume (vph)			
Ideal Flow (vphpl)			
Storage Length (ft)			
Storage Lanes			
Taper Length (ft)			
Lane Util. Factor			
Frt			
Flt Protected			
Satd. Flow (prot)			
Flt Permitted			
Satd. Flow (perm)			
Right Turn on Red			
Satd. Flow (RTOR)			
Link Speed (mph)			
Link Distance (ft)			
Travel Time (s)			
Peak Hour Factor			
Heavy Vehicles (%)			
Adj. Flow (vph)			
Shared Lane Traffic (%)			
Lane Group Flow (vph)			
Enter Blocked Intersection			
Lane Alignment			
Median Width(ft)			
Link Offset(ft)			
Crosswalk Width(ft)			
Two way Left Turn Lane			
Headway Factor			
Turning Speed (mph)			
Turn Type			
Protected Phases	2	3	7
Permitted Phases			
Detector Phase			
Switch Phase			
Minimum Initial (s)	20.0	6.0	10.0
Minimum Split (s)	45.3	12.2	15.7
Total Split (s)	37.0	48.0	15.0
Total Split (%)	24%	31%	10%
Maximum Green (s)	30.7	41.8	9.3
Yellow Time (s)	4.3	3.6	4.3
All-Red Time (s)	2.0	2.6	1.4
Lost Time Adjust (s)			
Total Lost Time (s)			
Lead/Lag	Lag	Lead	
Lead-Lag Optimize?	Yes	Yes	
Vehicle Extension (s)	2.0	4.0	5.0
Recall Mode	Min	None	None

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

Lanes, Volumes, Timings
1: I-990 SB Ramps & N French Rd

2023 Existing PM
03/28/2024

Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Walk Time (s)												
Flash Dont Walk (s)												
Pedestrian Calls (#/hr)												
Act Effct Green (s)		86.4	86.4	34.3	133.3						8.8	
Actuated g/C Ratio		0.56	0.56	0.22	0.87						0.06	
v/c Ratio		0.34	0.24	0.87	0.65						0.22	
Control Delay (s/veh)		10.9	1.6	58.0	7.1						2.2	
Queue Delay		0.0	0.0	3.4	0.7						0.0	
Total Delay (s/veh)		10.9	1.6	61.5	7.9						2.2	
LOS		B	A	E	A						A	
Approach Delay (s/veh)		8.5			28.6						2.3	
Approach LOS		A			C						A	
Queue Length 50th (ft)		124	1	344	221						0	
Queue Length 95th (ft)		150	25	#436	279						0	
Internal Link Dist (ft)		532			360			348			330	
Turn Bay Length (ft)			300									
Base Capacity (vph)		1999	964	764	1626						233	
Starvation Cap Reductn		0	0	44	250						0	
Spillback Cap Reductn		0	0	0	0						0	
Storage Cap Reductn		0	0	0	0						0	
Reduced v/c Ratio		0.34	0.25	0.93	0.78						0.23	

Intersection Summary			
Area Type:	Other		
Cycle Length: 155			
Actuated Cycle Length: 154			
Natural Cycle: 145			
Control Type: Actuated-Uncoordinated			
Maximum v/c Ratio: 0.88			
Intersection Signal Delay (s/veh): 21.3		Intersection LOS: C	
Intersection Capacity Utilization 64.9%		ICU Level of Service C	
Analysis Period (min) 15			

\# 95th percentile volume exceeds capacity, queue may be longer.
Queue shown is maximum after two cycles.

Splits and Phases: 1: I-990 SB Ramps & N French Rd



Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

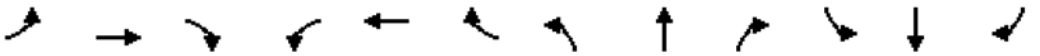
Lane Group	Ø2	Ø3	Ø7
Walk Time (s)	7.0	7.0	
Flash Dont Walk (s)	32.0	32.0	
Pedestrian Calls (#/hr)	0	0	
Act Effct Green (s)			
Actuated g/C Ratio			
v/c Ratio			
Control Delay (s/veh)			
Queue Delay			
Total Delay (s/veh)			
LOS			
Approach Delay (s/veh)			
Approach LOS			
Queue Length 50th (ft)			
Queue Length 95th (ft)			
Internal Link Dist (ft)			
Turn Bay Length (ft)			
Base Capacity (vph)			
Starvation Cap Reductn			
Spillback Cap Reductn			
Storage Cap Reductn			
Reduced v/c Ratio			

Intersection Summary

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

Lanes, Volumes, Timings
2: I-990 NB Ramps & N French Rd

2023 Existing PM
03/28/2024



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (vph)	45	567	0	0	1214	0	334	1	519	0	0	0
Future Volume (vph)	45	567	0	0	1214	0	334	1	519	0	0	0
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Storage Length (ft)	0		0	250		0	0		0	0		0
Storage Lanes	0		0	1		0	1		1	0		0
Taper Length (ft)	25			25			25			25		
Lane Util. Factor	0.95	0.95	1.00	1.00	0.91	0.91	1.00	0.95	0.95	1.00	1.00	1.00
Frt								0.851	0.850			
Flt Protected		0.996					0.950					
Satd. Flow (prot)	0	3596	0	0	5136	0	1770	1521	1519	0	0	0
Flt Permitted		0.723					0.950					
Satd. Flow (perm)	0	2610	0	0	5136	0	1770	1521	1519	0	0	0
Right Turn on Red			Yes			Yes			Yes			Yes
Satd. Flow (RTOR)								282	282			
Link Speed (mph)		45			45			30			30	
Link Distance (ft)		440			1666			515			456	
Travel Time (s)		6.7			25.2			11.7			10.4	
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Heavy Vehicles (%)	0%	0%	0%	0%	1%	0%	2%	0%	1%	0%	0%	0%
Adj. Flow (vph)	49	616	0	0	1320	0	363	1	564	0	0	0
Shared Lane Traffic (%)									50%			
Lane Group Flow (vph)	0	665	0	0	1320	0	363	283	282	0	0	0
Enter Blocked Intersection	No	No	No	No	No	No	No	No	No	No	No	No
Lane Alignment	Left	Left	Right	Left	Left	Right	Left	Left	Right	Left	Left	Right
Median Width(ft)		0			0			12			12	
Link Offset(ft)		0			0			0			0	
Crosswalk Width(ft)		16			16			16			16	
Two way Left Turn Lane												
Headway Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Turning Speed (mph)	15		9	15		9	15		9	15		9
Turn Type	Perm	NA			NA		Perm	NA	Perm			
Protected Phases		1 2 4 7			1 2 4			3				
Permitted Phases	1 2 4 7						3		3			
Detector Phase	1 2 4 7	1 2 4 7			1 2 4		3	3	3			
Switch Phase												
Minimum Initial (s)							6.0	6.0	6.0			
Minimum Split (s)							12.2	12.2	12.2			
Total Split (s)							48.0	48.0	48.0			
Total Split (%)							31.0%	31.0%	31.0%			
Maximum Green (s)							41.8	41.8	41.8			
Yellow Time (s)							3.6	3.6	3.6			
All-Red Time (s)							2.6	2.6	2.6			
Lost Time Adjust (s)							0.0	0.0	0.0			
Total Lost Time (s)							6.2	6.2	6.2			
Lead/Lag							Lead	Lead	Lead			
Lead-Lag Optimize?							Yes	Yes	Yes			
Vehicle Extension (s)							4.0	4.0	4.0			
Recall Mode							None	None	None			

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

Lane Group	Ø1	Ø2	Ø4	Ø7
Lane Configurations				
Traffic Volume (vph)				
Future Volume (vph)				
Ideal Flow (vphpl)				
Storage Length (ft)				
Storage Lanes				
Taper Length (ft)				
Lane Util. Factor				
Frt				
Flt Protected				
Satd. Flow (prot)				
Flt Permitted				
Satd. Flow (perm)				
Right Turn on Red				
Satd. Flow (RTOR)				
Link Speed (mph)				
Link Distance (ft)				
Travel Time (s)				
Peak Hour Factor				
Heavy Vehicles (%)				
Adj. Flow (vph)				
Shared Lane Traffic (%)				
Lane Group Flow (vph)				
Enter Blocked Intersection				
Lane Alignment				
Median Width(ft)				
Link Offset(ft)				
Crosswalk Width(ft)				
Two way Left Turn Lane				
Headway Factor				
Turning Speed (mph)				
Turn Type				
Protected Phases	1	2	4	7
Permitted Phases				
Detector Phase				
Switch Phase				
Minimum Initial (s)	10.0	20.0	6.0	10.0
Minimum Split (s)	15.7	45.3	12.2	15.7
Total Split (s)	40.0	37.0	15.0	15.0
Total Split (%)	26%	24%	10%	10%
Maximum Green (s)	34.3	30.7	8.8	9.3
Yellow Time (s)	4.3	4.3	3.6	4.3
All-Red Time (s)	1.4	2.0	2.6	1.4
Lost Time Adjust (s)				
Total Lost Time (s)				
Lead/Lag	Lead	Lag	Lag	
Lead-Lag Optimize?	Yes	Yes	Yes	
Vehicle Extension (s)	3.0	2.0	3.0	5.0
Recall Mode	None	Min	None	None

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

Lanes, Volumes, Timings
2: I-990 NB Ramps & N French Rd

2023 Existing PM
03/28/2024

Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Walk Time (s)							7.0	7.0	7.0			
Flash Dont Walk (s)							32.0	32.0	32.0			
Pedestrian Calls (#/hr)							0	0	0			
Act Effct Green (s)		100.3			79.6		41.8	41.8	41.8			
Actuated g/C Ratio		0.65			0.52		0.27	0.27	0.27			
v/c Ratio		0.39			0.49		0.75	0.45	0.45			
Control Delay (s/veh)		13.4			20.1		62.9	7.1	7.0			
Queue Delay		0.7			0.0		0.0	0.0	0.0			
Total Delay (s/veh)		14.1			20.1		62.9	7.1	7.0			
LOS		B			C		E	A	A			
Approach Delay (s/veh)		14.2			20.1			29.0				
Approach LOS		B			C			C				
Queue Length 50th (ft)		132			215		340	1	0			
Queue Length 95th (ft)		155			244		467	78	78			
Internal Link Dist (ft)		360			1586			435			376	
Turn Bay Length (ft)												
Base Capacity (vph)		1717			2689		480	618	617			
Starvation Cap Reductn		681			0		0	0	0			
Spillback Cap Reductn		0			110		0	0	0			
Storage Cap Reductn		0			0		0	0	0			
Reduced v/c Ratio		0.64			0.51		0.76	0.46	0.46			

Intersection Summary			
Area Type:	Other		
Cycle Length: 155			
Actuated Cycle Length: 154			
Natural Cycle: 145			
Control Type: Actuated-Uncoordinated			
Maximum v/c Ratio: 0.88			
Intersection Signal Delay (s/veh): 21.6		Intersection LOS: C	
Intersection Capacity Utilization 73.6%		ICU Level of Service D	
Analysis Period (min) 15			

Splits and Phases: 2: I-990 NB Ramps & N French Rd



Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

Lane Group	Ø1	Ø2	Ø4	Ø7
Walk Time (s)		7.0		
Flash Dont Walk (s)		32.0		
Pedestrian Calls (#/hr)		0		
Act Effct Green (s)				
Actuated g/C Ratio				
v/c Ratio				
Control Delay (s/veh)				
Queue Delay				
Total Delay (s/veh)				
LOS				
Approach Delay (s/veh)				
Approach LOS				
Queue Length 50th (ft)				
Queue Length 95th (ft)				
Internal Link Dist (ft)				
Turn Bay Length (ft)				
Base Capacity (vph)				
Starvation Cap Reductn				
Spillback Cap Reductn				
Storage Cap Reductn				
Reduced v/c Ratio				

Intersection Summary

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

Lane Group	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Traffic Volume (vph)	1051	35	10	1198	16	3
Future Volume (vph)	1051	35	10	1198	16	3
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Lane Util. Factor	0.95	0.95	0.95	0.95	1.00	1.00
Frt	0.995				0.980	
Flt Protected					0.959	
Satd. Flow (prot)	3558	0	0	3575	1786	0
Flt Permitted					0.959	
Satd. Flow (perm)	3558	0	0	3575	1786	0
Link Speed (mph)	45			45	35	
Link Distance (ft)	1666			564	623	
Travel Time (s)	25.2			8.5	12.1	
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95
Heavy Vehicles (%)	1%	0%	0%	1%	0%	0%
Adj. Flow (vph)	1106	37	11	1261	17	3
Shared Lane Traffic (%)						
Lane Group Flow (vph)	1143	0	0	1272	20	0
Enter Blocked Intersection	No	No	No	No	No	No
Lane Alignment	Left	Right	Left	Left	Left	Right
Median Width(ft)	24			24	12	
Link Offset(ft)	0			0	0	
Crosswalk Width(ft)	16			16	16	
Two way Left Turn Lane						
Headway Factor	1.00	1.00	1.00	1.00	1.00	1.00
Turning Speed (mph)		9	15		15	9
Sign Control	Free			Free	Stop	

Intersection Summary			
Area Type:	Other		
Control Type: Unsignalized			
Intersection Capacity Utilization 50.1%		ICU Level of Service A	
Analysis Period (min) 15			

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

Intersection	
Int Delay, s/veh	0.7

Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Traffic Vol, veh/h	1051	35	10	1198	16	3
Future Vol, veh/h	1051	35	10	1198	16	3
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	0	-
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	95	95	95	95	95	95
Heavy Vehicles, %	1	0	0	1	0	0
Mvmt Flow	1106	37	11	1261	17	3

Major/Minor	Major1		Major2		Minor1	
Conflicting Flow All	0	0	1143	0	1776	572
Stage 1	-	-	-	-	1125	-
Stage 2	-	-	-	-	652	-
Critical Hdwy	-	-	4.1	-	6.8	6.9
Critical Hdwy Stg 1	-	-	-	-	5.8	-
Critical Hdwy Stg 2	-	-	-	-	5.8	-
Follow-up Hdwy	-	-	2.2	-	3.5	3.3
Pot Cap-1 Maneuver	-	-	619	-	75	469
Stage 1	-	-	-	-	276	-
Stage 2	-	-	-	-	486	-
Platoon blocked, %	-	-		-		
Mov Cap-1 Maneuver	-	-	619	-	73	469
Mov Cap-2 Maneuver	-	-	-	-	73	-
Stage 1	-	-	-	-	276	-
Stage 2	-	-	-	-	473	-

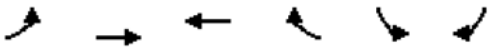
Approach	EB	WB	NB
HCM Control Delay, s/v	0	0.37	60.17
HCM LOS			F

Minor Lane/Major Mvmt	NBLn1	EBT	EBR	WBL	WBT
Capacity (veh/h)	85	-	-	30	-
HCM Lane V/C Ratio	0.236	-	-	0.017	-
HCM Control Delay (s/veh)	60.2	-	-	10.9	0.3
HCM Lane LOS	F	-	-	B	A
HCM 95th %tile Q(veh)	0.8	-	-	0.1	-

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

Lanes, Volumes, Timings
6: N French Rd & Crosspoint Pkwy

2023 Existing PM
03/28/2024



Lane Group	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Volume (vph)	78	976	941	44	68	267
Future Volume (vph)	78	976	941	44	68	267
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Storage Length (ft)	205			150	0	210
Storage Lanes	2			1	1	1
Taper Length (ft)	25				25	
Lane Util. Factor	0.97	0.95	0.95	1.00	1.00	0.88
Frt				0.850		0.850
Flt Protected	0.950				0.950	
Satd. Flow (prot)	3502	3574	3574	1583	1752	2842
Flt Permitted	0.950				0.950	
Satd. Flow (perm)	3502	3574	3574	1583	1752	2842
Right Turn on Red				Yes		Yes
Satd. Flow (RTOR)				34		284
Link Speed (mph)		45	45		30	
Link Distance (ft)		564	586		717	
Travel Time (s)		8.5	8.9		16.3	
Peak Hour Factor	0.94	0.94	0.94	0.94	0.94	0.94
Heavy Vehicles (%)	0%	1%	1%	2%	3%	0%
Adj. Flow (vph)	83	1038	1001	47	72	284
Shared Lane Traffic (%)						
Lane Group Flow (vph)	83	1038	1001	47	72	284
Enter Blocked Intersection	No	No	No	No	No	No
Lane Alignment	Left	Left	Left	Right	Left	Right
Median Width(ft)		24	24		12	
Link Offset(ft)		0	0		0	
Crosswalk Width(ft)		16	16		16	
Two way Left Turn Lane						
Headway Factor	1.00	1.00	1.00	1.00	1.00	1.00
Turning Speed (mph)	15			9	15	9
Turn Type	Prot	NA	NA	Perm	Prot	Perm
Protected Phases	1	6	2		3	
Permitted Phases				2		3
Detector Phase	1	6	2	2	3	3
Switch Phase						
Minimum Initial (s)	6.0	15.0	15.0	15.0	6.0	6.0
Minimum Split (s)	10.7	21.4	21.4	21.4	11.8	11.8
Total Split (s)	20.0	65.0	45.0	45.0	40.0	40.0
Total Split (%)	19.0%	61.9%	42.9%	42.9%	38.1%	38.1%
Maximum Green (s)	15.3	58.6	38.6	38.6	34.2	34.2
Yellow Time (s)	3.2	5.0	5.0	5.0	3.2	3.2
All-Red Time (s)	1.5	1.4	1.4	1.4	2.6	2.6
Lost Time Adjust (s)	0.0	0.0	0.0	0.0	0.0	0.0
Total Lost Time (s)	4.7	6.4	6.4	6.4	5.8	5.8
Lead/Lag	Lead		Lag	Lag		
Lead-Lag Optimize?	Yes		Yes	Yes		
Vehicle Extension (s)	3.0	3.0	3.0	3.0	3.0	3.0
Recall Mode	None	Min	Min	Min	None	None

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

Lane Group	EBL	EBT	WBT	WBR	SBL	SBR
Walk Time (s)			7.0	7.0		
Flash Dont Walk (s)			15.0	15.0		
Pedestrian Calls (#/hr)			0	0		
Act Effct Green (s)	7.4	31.4	22.4	22.4	8.4	8.4
Actuated g/C Ratio	0.14	0.60	0.43	0.43	0.16	0.16
v/c Ratio	0.16	0.48	0.66	0.06	0.25	0.41
Control Delay (s/veh)	24.5	6.5	15.3	5.5	25.2	5.8
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay (s/veh)	24.5	6.5	15.3	5.5	25.2	5.8
LOS	C	A	B	A	C	A
Approach Delay (s/veh)		7.9	14.9		9.7	
Approach LOS		A	B		A	
Queue Length 50th (ft)	12	76	132	2	21	0
Queue Length 95th (ft)	34	126	214	18	61	32
Internal Link Dist (ft)		484	506		637	
Turn Bay Length (ft)	205			150		210
Base Capacity (vph)	1078	3467	2659	1186	1194	2028
Starvation Cap Reductn	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0
Reduced v/c Ratio	0.08	0.30	0.38	0.04	0.06	0.14

Intersection Summary			
Area Type:	Other		
Cycle Length: 105			
Actuated Cycle Length: 52.7			
Natural Cycle: 50			
Control Type: Actuated-Uncoordinated			
Maximum v/c Ratio: 0.66			
Intersection Signal Delay (s/veh): 11.1		Intersection LOS: B	
Intersection Capacity Utilization 48.5%		ICU Level of Service A	
Analysis Period (min) 15			

Splits and Phases: 6: N French Rd & Crosspoint Pkwy



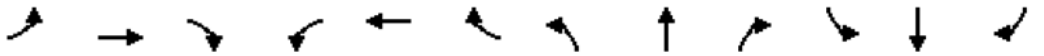
Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

APPENDIX D: LOS CALCULATIONS – BACKGROUND CONDITIONS

Lanes, Volumes, Timings
1: I-990 SB Ramps & N French Rd

2027 Background AM
03/27/2024



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (vph)	0	714	428	444	518	0	0	0	0	1	0	55
Future Volume (vph)	0	714	428	444	518	0	0	0	0	1	0	55
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Storage Length (ft)	0		300	0		0	0		0	0		0
Storage Lanes	0		1	2		0	0		0	0		0
Taper Length (ft)	25			25			25			25		
Lane Util. Factor	1.00	0.95	1.00	0.97	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Frt			0.850								0.867	
Flt Protected				0.950							0.999	
Satd. Flow (prot)	0	3471	1495	3400	1712	0	0	0	0	0	1554	0
Flt Permitted				0.950							0.999	
Satd. Flow (perm)	0	3471	1495	3400	1712	0	0	0	0	0	1554	0
Right Turn on Red			Yes			Yes			Yes			Yes
Satd. Flow (RTOR)			273								147	
Link Speed (mph)		45			45			30			30	
Link Distance (ft)		612			440			428			410	
Travel Time (s)		9.3			6.7			9.7			9.3	
Peak Hour Factor	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
Heavy Vehicles (%)	0%	4%	8%	3%	11%	0%	0%	0%	0%	0%	0%	6%
Adj. Flow (vph)	0	760	455	472	551	0	0	0	0	1	0	59
Shared Lane Traffic (%)												
Lane Group Flow (vph)	0	760	455	472	551	0	0	0	0	0	60	0
Enter Blocked Intersection	No	No	No	No	No	No	No	No	No	No	No	No
Lane Alignment	Left	Left	Right	Left	Left	Right	Left	Left	Right	Left	Left	Right
Median Width(ft)		24			24			0			0	
Link Offset(ft)		0			0			0			0	
Crosswalk Width(ft)		16			16			16			16	
Two way Left Turn Lane												
Headway Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Turning Speed (mph)	15		9	15		9	15		9	15		9
Turn Type		NA	Perm	Prot	NA					Perm	NA	
Protected Phases		2 3 7		1	1 2 3 7						4	
Permitted Phases			2 3 7							4		
Detector Phase		2 3 7	2 3 7	1	1 2 3 7					4	4	
Switch Phase												
Minimum Initial (s)				10.0						6.0	6.0	
Minimum Split (s)				15.7						12.2	12.2	
Total Split (s)				40.0						15.0	15.0	
Total Split (%)				25.8%						9.7%	9.7%	
Maximum Green (s)				34.3						8.8	8.8	
Yellow Time (s)				4.3						3.6	3.6	
All-Red Time (s)				1.4						2.6	2.6	
Lost Time Adjust (s)				0.0							0.0	
Total Lost Time (s)				5.7							6.2	
Lead/Lag				Lead						Lag	Lag	
Lead-Lag Optimize?				Yes						Yes	Yes	
Vehicle Extension (s)				3.0						3.0	3.0	
Recall Mode				None						None	None	

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

Lane Group	Ø2	Ø3	Ø7
Lane Configurations			
Traffic Volume (vph)			
Future Volume (vph)			
Ideal Flow (vphpl)			
Storage Length (ft)			
Storage Lanes			
Taper Length (ft)			
Lane Util. Factor			
Frt			
Flt Protected			
Satd. Flow (prot)			
Flt Permitted			
Satd. Flow (perm)			
Right Turn on Red			
Satd. Flow (RTOR)			
Link Speed (mph)			
Link Distance (ft)			
Travel Time (s)			
Peak Hour Factor			
Heavy Vehicles (%)			
Adj. Flow (vph)			
Shared Lane Traffic (%)			
Lane Group Flow (vph)			
Enter Blocked Intersection			
Lane Alignment			
Median Width(ft)			
Link Offset(ft)			
Crosswalk Width(ft)			
Two way Left Turn Lane			
Headway Factor			
Turning Speed (mph)			
Turn Type			
Protected Phases	2	3	7
Permitted Phases			
Detector Phase			
Switch Phase			
Minimum Initial (s)	20.0	6.0	10.0
Minimum Split (s)	45.3	12.2	15.7
Total Split (s)	37.0	48.0	15.0
Total Split (%)	24%	31%	10%
Maximum Green (s)	30.7	41.8	9.3
Yellow Time (s)	4.3	3.6	4.3
All-Red Time (s)	2.0	2.6	1.4
Lost Time Adjust (s)			
Total Lost Time (s)			
Lead/Lag	Lag	Lead	
Lead-Lag Optimize?	Yes	Yes	
Vehicle Extension (s)	2.0	4.0	5.0
Recall Mode	Min	None	None

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

Lanes, Volumes, Timings
1: I-990 SB Ramps & N French Rd

2027 Background AM
03/27/2024

Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Walk Time (s)												
Flash Dont Walk (s)												
Pedestrian Calls (#/hr)												
Act Effct Green (s)		83.4	83.4	32.9	128.9						8.8	
Actuated g/C Ratio		0.56	0.56	0.22	0.86						0.06	
v/c Ratio		0.39	0.47	0.63	0.37						0.26	
Control Delay (s/veh)		11.2	5.8	48.7	4.5						2.7	
Queue Delay		0.0	0.0	0.3	0.1						0.0	
Total Delay (s/veh)		11.2	5.8	49.0	4.7						2.7	
LOS		B	A	D	A						A	
Approach Delay (s/veh)		9.2			25.2						2.8	
Approach LOS		A			C						A	
Queue Length 50th (ft)		143	58	232	179						0	
Queue Length 95th (ft)		174	112	294	179						0	
Internal Link Dist (ft)		532			360			348			330	
Turn Bay Length (ft)			300									
Base Capacity (vph)		1952	960	782	1485						229	
Starvation Cap Reductn		0	0	57	299						0	
Spillback Cap Reductn		0	0	0	0						0	
Storage Cap Reductn		0	0	0	0						0	
Reduced v/c Ratio		0.39	0.47	0.65	0.46						0.26	

Intersection Summary			
Area Type:	Other		
Cycle Length: 155			
Actuated Cycle Length: 149.7			
Natural Cycle: 115			
Control Type: Actuated-Uncoordinated			
Maximum v/c Ratio: 0.65			
Intersection Signal Delay (s/veh): 16.2		Intersection LOS: B	
Intersection Capacity Utilization 59.3%		ICU Level of Service B	
Analysis Period (min) 15			

Splits and Phases: 1: I-990 SB Ramps & N French Rd



Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

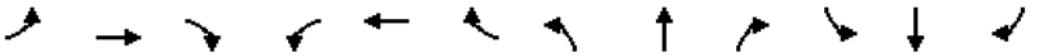
Lane Group	Ø2	Ø3	Ø7
Walk Time (s)	7.0	7.0	
Flash Dont Walk (s)	32.0	32.0	
Pedestrian Calls (#/hr)	0	0	
Act Effct Green (s)			
Actuated g/C Ratio			
v/c Ratio			
Control Delay (s/veh)			
Queue Delay			
Total Delay (s/veh)			
LOS			
Approach Delay (s/veh)			
Approach LOS			
Queue Length 50th (ft)			
Queue Length 95th (ft)			
Internal Link Dist (ft)			
Turn Bay Length (ft)			
Base Capacity (vph)			
Starvation Cap Reductn			
Spillback Cap Reductn			
Storage Cap Reductn			
Reduced v/c Ratio			

Intersection Summary

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

Lanes, Volumes, Timings
2: I-990 NB Ramps & N French Rd

2027 Background AM
03/27/2024



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (vph)	53	662	0	0	795	0	168	1	723	0	0	0
Future Volume (vph)	53	662	0	0	795	0	168	1	723	0	0	0
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Storage Length (ft)	0		0	250		0	0		0	0		0
Storage Lanes	0		0	1		0	1		1	0		0
Taper Length (ft)	25			25			25			25		
Lane Util. Factor	0.95	0.95	1.00	1.00	0.91	0.91	1.00	0.95	0.95	1.00	1.00	1.00
Frt								0.850	0.850			
Flt Protected		0.996					0.950					
Satd. Flow (prot)	0	3457	0	0	5036	0	1543	1475	1475	0	0	0
Flt Permitted		0.795					0.950					
Satd. Flow (perm)	0	2760	0	0	5036	0	1543	1475	1475	0	0	0
Right Turn on Red			Yes			Yes			Yes			Yes
Satd. Flow (RTOR)								268	268			
Link Speed (mph)		45			45			30			30	
Link Distance (ft)		440			1666			515			456	
Travel Time (s)		6.7			25.2			11.7			10.4	
Peak Hour Factor	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
Heavy Vehicles (%)	4%	4%	0%	0%	3%	0%	17%	0%	4%	0%	0%	0%
Adj. Flow (vph)	56	704	0	0	846	0	179	1	769	0	0	0
Shared Lane Traffic (%)									50%			
Lane Group Flow (vph)	0	760	0	0	846	0	179	386	384	0	0	0
Enter Blocked Intersection	No	No	No	No	No	No	No	No	No	No	No	No
Lane Alignment	Left	Left	Right	Left	Left	Right	Left	Left	Right	Left	Left	Right
Median Width(ft)		0			0			12			12	
Link Offset(ft)		0			0			0			0	
Crosswalk Width(ft)		16			16			16			16	
Two way Left Turn Lane												
Headway Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Turning Speed (mph)	15		9	15		9	15		9	15		9
Turn Type	Perm	NA			NA		Perm	NA	Perm			
Protected Phases		1 2 4 7			1 2 4			3				
Permitted Phases	1 2 4 7						3		3			
Detector Phase	1 2 4 7	1 2 4 7			1 2 4		3	3	3			
Switch Phase												
Minimum Initial (s)							6.0	6.0	6.0			
Minimum Split (s)							12.2	12.2	12.2			
Total Split (s)							48.0	48.0	48.0			
Total Split (%)							31.0%	31.0%	31.0%			
Maximum Green (s)							41.8	41.8	41.8			
Yellow Time (s)							3.6	3.6	3.6			
All-Red Time (s)							2.6	2.6	2.6			
Lost Time Adjust (s)							0.0	0.0	0.0			
Total Lost Time (s)							6.2	6.2	6.2			
Lead/Lag							Lead	Lead	Lead			
Lead-Lag Optimize?							Yes	Yes	Yes			
Vehicle Extension (s)							4.0	4.0	4.0			
Recall Mode							None	None	None			

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

Lane Group	Ø1	Ø2	Ø4	Ø7
Lane Configurations				
Traffic Volume (vph)				
Future Volume (vph)				
Ideal Flow (vphpl)				
Storage Length (ft)				
Storage Lanes				
Taper Length (ft)				
Lane Util. Factor				
Frt				
Flt Protected				
Satd. Flow (prot)				
Flt Permitted				
Satd. Flow (perm)				
Right Turn on Red				
Satd. Flow (RTOR)				
Link Speed (mph)				
Link Distance (ft)				
Travel Time (s)				
Peak Hour Factor				
Heavy Vehicles (%)				
Adj. Flow (vph)				
Shared Lane Traffic (%)				
Lane Group Flow (vph)				
Enter Blocked Intersection				
Lane Alignment				
Median Width(ft)				
Link Offset(ft)				
Crosswalk Width(ft)				
Two way Left Turn Lane				
Headway Factor				
Turning Speed (mph)				
Turn Type				
Protected Phases	1	2	4	7
Permitted Phases				
Detector Phase				
Switch Phase				
Minimum Initial (s)	10.0	20.0	6.0	10.0
Minimum Split (s)	15.7	45.3	12.2	15.7
Total Split (s)	40.0	37.0	15.0	15.0
Total Split (%)	26%	24%	10%	10%
Maximum Green (s)	34.3	30.7	8.8	9.3
Yellow Time (s)	4.3	4.3	3.6	4.3
All-Red Time (s)	1.4	2.0	2.6	1.4
Lost Time Adjust (s)				
Total Lost Time (s)				
Lead/Lag	Lead	Lag	Lag	
Lead-Lag Optimize?	Yes	Yes	Yes	
Vehicle Extension (s)	3.0	2.0	3.0	5.0
Recall Mode	None	Min	None	None

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

Lanes, Volumes, Timings
2: I-990 NB Ramps & N French Rd

2027 Background AM
03/27/2024

Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Walk Time (s)							7.0	7.0	7.0			
Flash Dont Walk (s)							32.0	32.0	32.0			
Pedestrian Calls (#/hr)							0	0	0			
Act Effct Green (s)		97.3			76.5		40.4	40.4	40.4			
Actuated g/C Ratio		0.65			0.51		0.27	0.27	0.27			
v/c Ratio		0.42			0.32		0.42	0.64	0.64			
Control Delay (s/veh)		13.4			14.6		49.7	20.3	20.1			
Queue Delay		0.8			0.0		0.0	0.0	0.0			
Total Delay (s/veh)		14.2			14.6		49.7	20.3	20.1			
LOS		B			B		D	C	C			
Approach Delay (s/veh)		14.3			14.6			25.8				
Approach LOS		B			B			C				
Queue Length 50th (ft)		151			123		151	109	107			
Queue Length 95th (ft)		174			145		230	240	235			
Internal Link Dist (ft)		360			1586			435			376	
Turn Bay Length (ft)												
Base Capacity (vph)		1846			2669		432	606	606			
Starvation Cap Reductn		726			0		0	0	0			
Spillback Cap Reductn		0			0		0	0	0			
Storage Cap Reductn		0			0		0	0	0			
Reduced v/c Ratio		0.68			0.32		0.41	0.64	0.63			

Intersection Summary			
Area Type:	Other		
Cycle Length: 155			
Actuated Cycle Length: 149.7			
Natural Cycle: 115			
Control Type: Actuated-Uncoordinated			
Maximum v/c Ratio: 0.65			
Intersection Signal Delay (s/veh): 18.7		Intersection LOS: B	
Intersection Capacity Utilization 64.8%		ICU Level of Service C	
Analysis Period (min) 15			

Splits and Phases: 2: I-990 NB Ramps & N French Rd

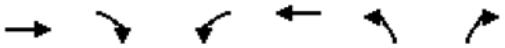


Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

Lane Group	Ø1	Ø2	Ø4	Ø7
Walk Time (s)		7.0		
Flash Dont Walk (s)		32.0		
Pedestrian Calls (#/hr)		0		
Act Effct Green (s)				
Actuated g/C Ratio				
v/c Ratio				
Control Delay (s/veh)				
Queue Delay				
Total Delay (s/veh)				
LOS				
Approach Delay (s/veh)				
Approach LOS				
Queue Length 50th (ft)				
Queue Length 95th (ft)				
Internal Link Dist (ft)				
Turn Bay Length (ft)				
Base Capacity (vph)				
Starvation Cap Reductn				
Spillback Cap Reductn				
Storage Cap Reductn				
Reduced v/c Ratio				

Intersection Summary

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)



Lane Group	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Traffic Volume (vph)	1368	17	3	777	18	3
Future Volume (vph)	1368	17	3	777	18	3
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Lane Util. Factor	0.95	0.95	0.95	0.95	1.00	1.00
Frt	0.998				0.982	
Flt Protected					0.958	
Satd. Flow (prot)	3530	0	0	3505	1699	0
Flt Permitted					0.958	
Satd. Flow (perm)	3530	0	0	3505	1699	0
Link Speed (mph)	45			45	35	
Link Distance (ft)	1666			564	623	
Travel Time (s)	25.2			8.5	12.1	
Peak Hour Factor	0.90	0.90	0.90	0.90	0.90	0.90
Heavy Vehicles (%)	2%	6%	0%	3%	6%	0%
Adj. Flow (vph)	1520	19	3	863	20	3
Shared Lane Traffic (%)						
Lane Group Flow (vph)	1539	0	0	866	23	0
Enter Blocked Intersection	No	No	No	No	No	No
Lane Alignment	Left	Right	Left	Left	Left	Right
Median Width(ft)	24			24	12	
Link Offset(ft)	0			0	0	
Crosswalk Width(ft)	16			16	16	
Two way Left Turn Lane						
Headway Factor	1.00	1.00	1.00	1.00	1.00	1.00
Turning Speed (mph)		9	15		15	9
Sign Control	Free			Free	Stop	

Intersection Summary			
Area Type:	Other		
Control Type: Unsignalized			
Intersection Capacity Utilization 48.4%		ICU Level of Service A	
Analysis Period (min) 15			

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

Intersection	
Int Delay, s/veh	1

Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Traffic Vol, veh/h	1368	17	3	777	18	3
Future Vol, veh/h	1368	17	3	777	18	3
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	0	-
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	90	90	90	90	90	90
Heavy Vehicles, %	2	6	0	3	6	0
Mvmt Flow	1520	19	3	863	20	3

Major/Minor	Major1		Major2		Minor1	
Conflicting Flow All	0	0	1539	0	1968	769
Stage 1	-	-	-	-	1529	-
Stage 2	-	-	-	-	438	-
Critical Hdwy	-	-	4.1	-	6.92	6.9
Critical Hdwy Stg 1	-	-	-	-	5.92	-
Critical Hdwy Stg 2	-	-	-	-	5.92	-
Follow-up Hdwy	-	-	2.2	-	3.56	3.3
Pot Cap-1 Maneuver	-	-	438	-	52	348
Stage 1	-	-	-	-	159	-
Stage 2	-	-	-	-	606	-
Platoon blocked, %	-	-		-		
Mov Cap-1 Maneuver	-	-	438	-	52	348
Mov Cap-2 Maneuver	-	-	-	-	52	-
Stage 1	-	-	-	-	159	-
Stage 2	-	-	-	-	600	-

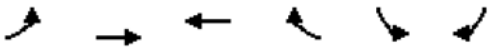
Approach	EB	WB	NB
HCM Control Delay, s/v	0	0.18	101.58
HCM LOS			F

Minor Lane/Major Mvmt	NBLn1	EBT	EBR	WBL	WBT
Capacity (veh/h)	59	-	-	14	-
HCM Lane V/C Ratio	0.396	-	-	0.008	-
HCM Control Delay (s/veh)	101.6	-	-	13.3	0.1
HCM Lane LOS	F	-	-	B	A
HCM 95th %tile Q(veh)	1.5	-	-	0	-

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

Lanes, Volumes, Timings
6: N French Rd & Crosspoint Pkwy

2027 Background AM
03/27/2024



Lane Group	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Volume (vph)	381	990	692	95	47	88
Future Volume (vph)	381	990	692	95	47	88
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Storage Length (ft)	205			150	0	210
Storage Lanes	2			1	1	1
Taper Length (ft)	25				25	
Lane Util. Factor	0.97	0.95	0.95	1.00	1.00	0.88
Frt				0.850		0.850
Flt Protected	0.950				0.950	
Satd. Flow (prot)	3467	3438	3471	1538	1719	2682
Flt Permitted	0.950				0.950	
Satd. Flow (perm)	3467	3438	3471	1538	1719	2682
Right Turn on Red				Yes		Yes
Satd. Flow (RTOR)				99		105
Link Speed (mph)		45	45		30	
Link Distance (ft)		564	586		717	
Travel Time (s)		8.5	8.9		16.3	
Peak Hour Factor	0.84	0.84	0.84	0.84	0.84	0.84
Heavy Vehicles (%)	1%	5%	4%	5%	5%	6%
Adj. Flow (vph)	454	1179	824	113	56	105
Shared Lane Traffic (%)						
Lane Group Flow (vph)	454	1179	824	113	56	105
Enter Blocked Intersection	No	No	No	No	No	No
Lane Alignment	Left	Left	Left	Right	Left	Right
Median Width(ft)		24	24		12	
Link Offset(ft)		0	0		0	
Crosswalk Width(ft)		16	16		16	
Two way Left Turn Lane						
Headway Factor	1.00	1.00	1.00	1.00	1.00	1.00
Turning Speed (mph)	15			9	15	9
Turn Type	Prot	NA	NA	Perm	Prot	Perm
Protected Phases	1	6	2		3	
Permitted Phases				2		3
Detector Phase	1	6	2	2	3	3
Switch Phase						
Minimum Initial (s)	6.0	15.0	15.0	15.0	6.0	6.0
Minimum Split (s)	10.7	21.4	21.4	21.4	11.8	11.8
Total Split (s)	20.0	65.0	45.0	45.0	40.0	40.0
Total Split (%)	19.0%	61.9%	42.9%	42.9%	38.1%	38.1%
Maximum Green (s)	15.3	58.6	38.6	38.6	34.2	34.2
Yellow Time (s)	3.2	5.0	5.0	5.0	3.2	3.2
All-Red Time (s)	1.5	1.4	1.4	1.4	2.6	2.6
Lost Time Adjust (s)	0.0	0.0	0.0	0.0	0.0	0.0
Total Lost Time (s)	4.7	6.4	6.4	6.4	5.8	5.8
Lead/Lag	Lead		Lag	Lag		
Lead-Lag Optimize?	Yes		Yes	Yes		
Vehicle Extension (s)	3.0	3.0	3.0	3.0	3.0	3.0
Recall Mode	None	Min	Min	Min	None	None

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

Lane Group	EBL	EBT	WBT	WBR	SBL	SBR
Walk Time (s)			7.0	7.0		
Flash Dont Walk (s)			15.0	15.0		
Pedestrian Calls (#/hr)			0	0		
Act Effct Green (s)	14.1	42.1	21.0	21.0	8.0	8.0
Actuated g/C Ratio	0.25	0.74	0.37	0.37	0.14	0.14
v/c Ratio	0.53	0.46	0.64	0.17	0.23	0.22
Control Delay (s/veh)	23.3	5.3	18.8	5.2	27.9	7.9
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay (s/veh)	23.3	5.3	18.8	5.2	27.9	7.9
LOS	C	A	B	A	C	A
Approach Delay (s/veh)		10.4	17.2		14.9	
Approach LOS		B	B		B	
Queue Length 50th (ft)	73	90	133	3	19	0
Queue Length 95th (ft)	125	132	182	28	49	18
Internal Link Dist (ft)		484	506		637	
Turn Bay Length (ft)	205			150		210
Base Capacity (vph)	979	3240	2425	1104	1085	1732
Starvation Cap Reductn	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0
Reduced v/c Ratio	0.46	0.36	0.34	0.10	0.05	0.06

Intersection Summary			
Area Type:	Other		
Cycle Length: 105			
Actuated Cycle Length: 57.2			
Natural Cycle: 55			
Control Type: Actuated-Uncoordinated			
Maximum v/c Ratio: 0.65			
Intersection Signal Delay (s/veh): 13.0		Intersection LOS: B	
Intersection Capacity Utilization 49.1%		ICU Level of Service A	
Analysis Period (min) 15			

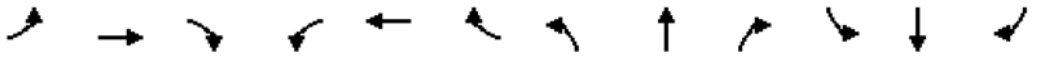
Splits and Phases: 6: N French Rd & Crosspoint Pkwy



Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

Lanes, Volumes, Timings
1: I-990 SB Ramps & N French Rd

2027 Background PM
03/27/2024



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (vph)	0	663	222	638	1013	0	0	0	0	4	0	46
Future Volume (vph)	0	663	222	638	1013	0	0	0	0	4	0	46
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Storage Length (ft)	0		300	0		0	0		0	0		0
Storage Lanes	0		1	2		0	0		0	0		0
Taper Length (ft)	25			25			25			25		
Lane Util. Factor	1.00	0.95	1.00	0.97	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Frt			0.850								0.875	
Flt Protected				0.950							0.996	
Satd. Flow (prot)	0	3574	1538	3433	1881	0	0	0	0	0	1656	0
Flt Permitted				0.950							0.996	
Satd. Flow (perm)	0	3574	1538	3433	1881	0	0	0	0	0	1656	0
Right Turn on Red			Yes			Yes			Yes			Yes
Satd. Flow (RTOR)			233								147	
Link Speed (mph)		45			45			30			30	
Link Distance (ft)		612			440			428			410	
Travel Time (s)		9.3			6.7			9.7			9.3	
Peak Hour Factor	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89
Heavy Vehicles (%)	0%	1%	5%	2%	1%	0%	0%	0%	0%	0%	0%	0%
Adj. Flow (vph)	0	745	249	717	1138	0	0	0	0	4	0	52
Shared Lane Traffic (%)												
Lane Group Flow (vph)	0	745	249	717	1138	0	0	0	0	0	56	0
Enter Blocked Intersection	No	No	No	No	No	No	No	No	No	No	No	No
Lane Alignment	Left	Left	Right	Left	Left	Right	Left	Left	Right	Left	Left	Right
Median Width(ft)		24			24			0			0	
Link Offset(ft)		0			0			0			0	
Crosswalk Width(ft)		16			16			16			16	
Two way Left Turn Lane												
Headway Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Turning Speed (mph)	15		9	15		9	15		9	15		9
Turn Type		NA	Perm	Prot	NA					Perm	NA	
Protected Phases		2 3 7		1	1 2 3 7						4	
Permitted Phases			2 3 7							4		
Detector Phase		2 3 7	2 3 7	1	1 2 3 7					4	4	
Switch Phase												
Minimum Initial (s)				10.0						6.0	6.0	
Minimum Split (s)				15.7						12.2	12.2	
Total Split (s)				40.0						15.0	15.0	
Total Split (%)				25.8%						9.7%	9.7%	
Maximum Green (s)				34.3						8.8	8.8	
Yellow Time (s)				4.3						3.6	3.6	
All-Red Time (s)				1.4						2.6	2.6	
Lost Time Adjust (s)				0.0							0.0	
Total Lost Time (s)				5.7							6.2	
Lead/Lag				Lead						Lag	Lag	
Lead-Lag Optimize?				Yes						Yes	Yes	
Vehicle Extension (s)				3.0						3.0	3.0	
Recall Mode				None						None	None	

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

Lane Group	Ø2	Ø3	Ø7
Lane Configurations			
Traffic Volume (vph)			
Future Volume (vph)			
Ideal Flow (vphpl)			
Storage Length (ft)			
Storage Lanes			
Taper Length (ft)			
Lane Util. Factor			
Frt			
Flt Protected			
Satd. Flow (prot)			
Flt Permitted			
Satd. Flow (perm)			
Right Turn on Red			
Satd. Flow (RTOR)			
Link Speed (mph)			
Link Distance (ft)			
Travel Time (s)			
Peak Hour Factor			
Heavy Vehicles (%)			
Adj. Flow (vph)			
Shared Lane Traffic (%)			
Lane Group Flow (vph)			
Enter Blocked Intersection			
Lane Alignment			
Median Width(ft)			
Link Offset(ft)			
Crosswalk Width(ft)			
Two way Left Turn Lane			
Headway Factor			
Turning Speed (mph)			
Turn Type			
Protected Phases	2	3	7
Permitted Phases			
Detector Phase			
Switch Phase			
Minimum Initial (s)	20.0	6.0	10.0
Minimum Split (s)	45.3	12.2	15.7
Total Split (s)	37.0	48.0	15.0
Total Split (%)	24%	31%	10%
Maximum Green (s)	30.7	41.8	9.3
Yellow Time (s)	4.3	3.6	4.3
All-Red Time (s)	2.0	2.6	1.4
Lost Time Adjust (s)			
Total Lost Time (s)			
Lead/Lag	Lag	Lead	
Lead-Lag Optimize?	Yes	Yes	
Vehicle Extension (s)	2.0	4.0	5.0
Recall Mode	Min	None	None

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

Lanes, Volumes, Timings
1: I-990 SB Ramps & N French Rd

2027 Background PM
03/27/2024

Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Walk Time (s)												
Flash Dont Walk (s)												
Pedestrian Calls (#/hr)												
Act Effct Green (s)		87.3	87.3	34.3	134.2						8.8	
Actuated g/C Ratio		0.56	0.56	0.22	0.87						0.06	
v/c Ratio		0.36	0.25	0.94	0.69						0.24	
Control Delay (s/veh)		11.1	1.9	65.3	8.1						2.4	
Queue Delay		0.0	0.0	9.8	1.1						0.0	
Total Delay (s/veh)		11.1	1.9	75.1	9.3						2.4	
LOS		B	A	E	A						A	
Approach Delay (s/veh)		8.9			34.8						2.5	
Approach LOS		A			C						A	
Queue Length 50th (ft)		138	5	369	260						0	
Queue Length 95th (ft)		165	30	#478	345						0	
Internal Link Dist (ft)		532			360			348			330	
Turn Bay Length (ft)			300									
Base Capacity (vph)		1987	958	759	1616						232	
Starvation Cap Reductn		0	0	43	249						0	
Spillback Cap Reductn		0	0	0	0						0	
Storage Cap Reductn		0	0	0	0						0	
Reduced v/c Ratio		0.37	0.26	1.00	0.83						0.24	

Intersection Summary			
Area Type:	Other		
Cycle Length: 155			
Actuated Cycle Length: 154.9			
Natural Cycle: 145			
Control Type: Actuated-Uncoordinated			
Maximum v/c Ratio: 0.94			
Intersection Signal Delay (s/veh): 25.3		Intersection LOS: C	
Intersection Capacity Utilization 68.2%		ICU Level of Service C	
Analysis Period (min) 15			

95th percentile volume exceeds capacity, queue may be longer.
Queue shown is maximum after two cycles.

Splits and Phases: 1: I-990 SB Ramps & N French Rd



Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

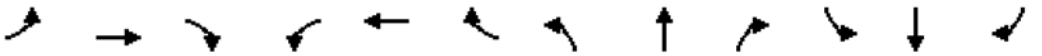
Lane Group	Ø2	Ø3	Ø7
Walk Time (s)	7.0	7.0	
Flash Dont Walk (s)	32.0	32.0	
Pedestrian Calls (#/hr)	0	0	
Act Effct Green (s)			
Actuated g/C Ratio			
v/c Ratio			
Control Delay (s/veh)			
Queue Delay			
Total Delay (s/veh)			
LOS			
Approach Delay (s/veh)			
Approach LOS			
Queue Length 50th (ft)			
Queue Length 95th (ft)			
Internal Link Dist (ft)			
Turn Bay Length (ft)			
Base Capacity (vph)			
Starvation Cap Reductn			
Spillback Cap Reductn			
Storage Cap Reductn			
Reduced v/c Ratio			

Intersection Summary

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

Lanes, Volumes, Timings
2: I-990 NB Ramps & N French Rd

2027 Background PM
03/27/2024



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (vph)	47	620	0	0	1301	0	349	1	569	0	0	0
Future Volume (vph)	47	620	0	0	1301	0	349	1	569	0	0	0
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Storage Length (ft)	0		0	250		0	0		0	0		0
Storage Lanes	0		0	1		0	1		1	0		0
Taper Length (ft)	25			25			25			25		
Lane Util. Factor	0.95	0.95	1.00	1.00	0.91	0.91	1.00	0.95	0.95	1.00	1.00	1.00
Frt								0.850	0.850			
Flt Protected		0.996					0.950					
Satd. Flow (prot)	0	3596	0	0	5136	0	1770	1519	1519	0	0	0
Flt Permitted		0.707					0.950					
Satd. Flow (perm)	0	2552	0	0	5136	0	1770	1519	1519	0	0	0
Right Turn on Red			Yes			Yes			Yes			Yes
Satd. Flow (RTOR)								285	285			
Link Speed (mph)		45			45			30			30	
Link Distance (ft)		440			1666			515			456	
Travel Time (s)		6.7			25.2			11.7			10.4	
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Heavy Vehicles (%)	0%	0%	0%	0%	1%	0%	2%	0%	1%	0%	0%	0%
Adj. Flow (vph)	51	674	0	0	1414	0	379	1	618	0	0	0
Shared Lane Traffic (%)									50%			
Lane Group Flow (vph)	0	725	0	0	1414	0	379	310	309	0	0	0
Enter Blocked Intersection	No	No	No	No	No	No	No	No	No	No	No	No
Lane Alignment	Left	Left	Right	Left	Left	Right	Left	Left	Right	Left	Left	Right
Median Width(ft)		0			0			12			12	
Link Offset(ft)		0			0			0			0	
Crosswalk Width(ft)		16			16			16			16	
Two way Left Turn Lane												
Headway Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Turning Speed (mph)	15		9	15		9	15		9	15		9
Turn Type	Perm	NA			NA		Perm	NA	Perm			
Protected Phases		1 2 4 7			1 2 4			3				
Permitted Phases	1 2 4 7						3		3			
Detector Phase	1 2 4 7	1 2 4 7			1 2 4		3	3	3			
Switch Phase												
Minimum Initial (s)							6.0	6.0	6.0			
Minimum Split (s)							12.2	12.2	12.2			
Total Split (s)							48.0	48.0	48.0			
Total Split (%)							31.0%	31.0%	31.0%			
Maximum Green (s)							41.8	41.8	41.8			
Yellow Time (s)							3.6	3.6	3.6			
All-Red Time (s)							2.6	2.6	2.6			
Lost Time Adjust (s)							0.0	0.0	0.0			
Total Lost Time (s)							6.2	6.2	6.2			
Lead/Lag							Lead	Lead	Lead			
Lead-Lag Optimize?							Yes	Yes	Yes			
Vehicle Extension (s)							4.0	4.0	4.0			
Recall Mode							None	None	None			

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

Lane Group	Ø1	Ø2	Ø4	Ø7
Lane Configurations				
Traffic Volume (vph)				
Future Volume (vph)				
Ideal Flow (vphpl)				
Storage Length (ft)				
Storage Lanes				
Taper Length (ft)				
Lane Util. Factor				
Frt				
Flt Protected				
Satd. Flow (prot)				
Flt Permitted				
Satd. Flow (perm)				
Right Turn on Red				
Satd. Flow (RTOR)				
Link Speed (mph)				
Link Distance (ft)				
Travel Time (s)				
Peak Hour Factor				
Heavy Vehicles (%)				
Adj. Flow (vph)				
Shared Lane Traffic (%)				
Lane Group Flow (vph)				
Enter Blocked Intersection				
Lane Alignment				
Median Width(ft)				
Link Offset(ft)				
Crosswalk Width(ft)				
Two way Left Turn Lane				
Headway Factor				
Turning Speed (mph)				
Turn Type				
Protected Phases	1	2	4	7
Permitted Phases				
Detector Phase				
Switch Phase				
Minimum Initial (s)	10.0	20.0	6.0	10.0
Minimum Split (s)	15.7	45.3	12.2	15.7
Total Split (s)	40.0	37.0	15.0	15.0
Total Split (%)	26%	24%	10%	10%
Maximum Green (s)	34.3	30.7	8.8	9.3
Yellow Time (s)	4.3	4.3	3.6	4.3
All-Red Time (s)	1.4	2.0	2.6	1.4
Lost Time Adjust (s)				
Total Lost Time (s)				
Lead/Lag	Lead	Lag	Lag	
Lead-Lag Optimize?	Yes	Yes	Yes	
Vehicle Extension (s)	3.0	2.0	3.0	5.0
Recall Mode	None	Min	None	None

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Walk Time (s)							7.0	7.0	7.0			
Flash Dont Walk (s)							32.0	32.0	32.0			
Pedestrian Calls (#/hr)							0	0	0			
Act Effct Green (s)		101.2			80.5		41.8	41.8	41.8			
Actuated g/C Ratio		0.65			0.52		0.27	0.27	0.27			
v/c Ratio		0.43			0.52		0.79	0.50	0.50			
Control Delay (s/veh)		14.0			21.0		65.9	9.5	9.4			
Queue Delay		0.8			0.0		0.0	0.0	0.0			
Total Delay (s/veh)		14.9			21.1		65.9	9.5	9.4			
LOS		B			C		E	A	A			
Approach Delay (s/veh)		14.9			21.1			31.0				
Approach LOS		B			C			C				
Queue Length 50th (ft)		143			236		359	20	18			
Queue Length 95th (ft)		166			267		#494	110	109			
Internal Link Dist (ft)		360			1586			435			376	
Turn Bay Length (ft)												
Base Capacity (vph)		1668			2671		477	617	617			
Starvation Cap Reductn		611			0		0	0	0			
Spillback Cap Reductn		0			192		0	0	0			
Storage Cap Reductn		0			0		0	0	0			
Reduced v/c Ratio		0.69			0.57		0.79	0.50	0.50			

Intersection Summary			
Area Type:	Other		
Cycle Length: 155			
Actuated Cycle Length: 154.9			
Natural Cycle: 145			
Control Type: Actuated-Uncoordinated			
Maximum v/c Ratio: 0.94			
Intersection Signal Delay (s/veh): 22.8		Intersection LOS: C	
Intersection Capacity Utilization 77.6%		ICU Level of Service D	
Analysis Period (min) 15			

\# 95th percentile volume exceeds capacity, queue may be longer.
Queue shown is maximum after two cycles.

Splits and Phases: 2: I-990 NB Ramps & N French Rd



Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

Lane Group	Ø1	Ø2	Ø4	Ø7
Walk Time (s)		7.0		
Flash Dont Walk (s)		32.0		
Pedestrian Calls (#/hr)		0		
Act Effct Green (s)				
Actuated g/C Ratio				
v/c Ratio				
Control Delay (s/veh)				
Queue Delay				
Total Delay (s/veh)				
LOS				
Approach Delay (s/veh)				
Approach LOS				
Queue Length 50th (ft)				
Queue Length 95th (ft)				
Internal Link Dist (ft)				
Turn Bay Length (ft)				
Base Capacity (vph)				
Starvation Cap Reductn				
Spillback Cap Reductn				
Storage Cap Reductn				
Reduced v/c Ratio				

Intersection Summary

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

Lane Group	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Traffic Volume (vph)	1152	37	10	1285	17	3
Future Volume (vph)	1152	37	10	1285	17	3
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Lane Util. Factor	0.95	0.95	0.95	0.95	1.00	1.00
Frt	0.995				0.981	
Flt Protected					0.959	
Satd. Flow (prot)	3557	0	0	3575	1787	0
Flt Permitted					0.959	
Satd. Flow (perm)	3557	0	0	3575	1787	0
Link Speed (mph)	45			45	35	
Link Distance (ft)	1666			564	623	
Travel Time (s)	25.2			8.5	12.1	
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95
Heavy Vehicles (%)	1%	0%	0%	1%	0%	0%
Adj. Flow (vph)	1213	39	11	1353	18	3
Shared Lane Traffic (%)						
Lane Group Flow (vph)	1252	0	0	1364	21	0
Enter Blocked Intersection	No	No	No	No	No	No
Lane Alignment	Left	Right	Left	Left	Left	Right
Median Width(ft)	24			24	12	
Link Offset(ft)	0			0	0	
Crosswalk Width(ft)	16			16	16	
Two way Left Turn Lane						
Headway Factor	1.00	1.00	1.00	1.00	1.00	1.00
Turning Speed (mph)		9	15		15	9
Sign Control	Free			Free	Stop	

Intersection Summary			
Area Type:	Other		
Control Type: Unsignalized			
Intersection Capacity Utilization 52.5%		ICU Level of Service A	
Analysis Period (min) 15			

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

Intersection	
Int Delay, s/veh	0.9

Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Traffic Vol, veh/h	1152	37	10	1285	17	3
Future Vol, veh/h	1152	37	10	1285	17	3
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	0	-
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	95	95	95	95	95	95
Heavy Vehicles, %	1	0	0	1	0	0
Mvmt Flow	1213	39	11	1353	18	3

Major/Minor	Major1		Major2		Minor1	
Conflicting Flow All	0	0	1252	0	1929	626
Stage 1	-	-	-	-	1232	-
Stage 2	-	-	-	-	697	-
Critical Hdwy	-	-	4.1	-	6.8	6.9
Critical Hdwy Stg 1	-	-	-	-	5.8	-
Critical Hdwy Stg 2	-	-	-	-	5.8	-
Follow-up Hdwy	-	-	2.2	-	3.5	3.3
Pot Cap-1 Maneuver	-	-	563	-	60	432
Stage 1	-	-	-	-	242	-
Stage 2	-	-	-	-	460	-
Platoon blocked, %	-	-		-		
Mov Cap-1 Maneuver	-	-	563	-	58	432
Mov Cap-2 Maneuver	-	-	-	-	58	-
Stage 1	-	-	-	-	242	-
Stage 2	-	-	-	-	447	-

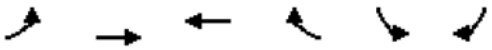
Approach	EB	WB	NB
HCM Control Delay, s/v	0	0.43	82.62
HCM LOS			F

Minor Lane/Major Mvmt	NBLn1	EBT	EBR	WBL	WBT
Capacity (veh/h)	66	-	-	28	-
HCM Lane V/C Ratio	0.317	-	-	0.019	-
HCM Control Delay (s/veh)	82.6	-	-	11.5	0.3
HCM Lane LOS	F	-	-	B	A
HCM 95th %tile Q(veh)	1.2	-	-	0.1	-

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

Lanes, Volumes, Timings
6: N French Rd & Crosspoint Pkwy

2027 Background PM
03/27/2024



Lane Group	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Volume (vph)	117	1039	995	72	88	300
Future Volume (vph)	117	1039	995	72	88	300
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Storage Length (ft)	205			150	0	210
Storage Lanes	2			1	1	1
Taper Length (ft)	25				25	
Lane Util. Factor	0.97	0.95	0.95	1.00	1.00	0.88
Frt				0.850		0.850
Flt Protected	0.950				0.950	
Satd. Flow (prot)	3502	3574	3574	1583	1752	2842
Flt Permitted	0.950				0.950	
Satd. Flow (perm)	3502	3574	3574	1583	1752	2842
Right Turn on Red				Yes		Yes
Satd. Flow (RTOR)				52		319
Link Speed (mph)		45	45		30	
Link Distance (ft)		564	586		717	
Travel Time (s)		8.5	8.9		16.3	
Peak Hour Factor	0.94	0.94	0.94	0.94	0.94	0.94
Heavy Vehicles (%)	0%	1%	1%	2%	3%	0%
Adj. Flow (vph)	124	1105	1059	77	94	319
Shared Lane Traffic (%)						
Lane Group Flow (vph)	124	1105	1059	77	94	319
Enter Blocked Intersection	No	No	No	No	No	No
Lane Alignment	Left	Left	Left	Right	Left	Right
Median Width(ft)		24	24		12	
Link Offset(ft)		0	0		0	
Crosswalk Width(ft)		16	16		16	
Two way Left Turn Lane						
Headway Factor	1.00	1.00	1.00	1.00	1.00	1.00
Turning Speed (mph)	15			9	15	9
Turn Type	Prot	NA	NA	Perm	Prot	Perm
Protected Phases	1	6	2		3	
Permitted Phases				2		3
Detector Phase	1	6	2	2	3	3
Switch Phase						
Minimum Initial (s)	6.0	15.0	15.0	15.0	6.0	6.0
Minimum Split (s)	10.7	21.4	21.4	21.4	11.8	11.8
Total Split (s)	20.0	65.0	45.0	45.0	40.0	40.0
Total Split (%)	19.0%	61.9%	42.9%	42.9%	38.1%	38.1%
Maximum Green (s)	15.3	58.6	38.6	38.6	34.2	34.2
Yellow Time (s)	3.2	5.0	5.0	5.0	3.2	3.2
All-Red Time (s)	1.5	1.4	1.4	1.4	2.6	2.6
Lost Time Adjust (s)	0.0	0.0	0.0	0.0	0.0	0.0
Total Lost Time (s)	4.7	6.4	6.4	6.4	5.8	5.8
Lead/Lag	Lead		Lag	Lag		
Lead-Lag Optimize?	Yes		Yes	Yes		
Vehicle Extension (s)	3.0	3.0	3.0	3.0	3.0	3.0
Recall Mode	None	Min	Min	Min	None	None

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

Lane Group	EBL	EBT	WBT	WBR	SBL	SBR
Walk Time (s)			7.0	7.0		
Flash Dont Walk (s)			15.0	15.0		
Pedestrian Calls (#/hr)			0	0		
Act Effct Green (s)	8.3	34.7	25.1	25.1	9.5	9.5
Actuated g/C Ratio	0.14	0.61	0.44	0.44	0.17	0.17
v/c Ratio	0.24	0.51	0.67	0.10	0.32	0.43
Control Delay (s/veh)	27.3	6.9	16.3	5.7	28.0	5.7
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay (s/veh)	27.3	6.9	16.3	5.7	28.0	5.7
LOS	C	A	B	A	C	A
Approach Delay (s/veh)		9.0	15.6		10.8	
Approach LOS		A	B		B	
Queue Length 50th (ft)	20	90	154	5	30	0
Queue Length 95th (ft)	52	155	254	28	81	35
Internal Link Dist (ft)		484	506		637	
Turn Bay Length (ft)	205			150		210
Base Capacity (vph)	1005	3339	2500	1123	1123	1937
Starvation Cap Reductn	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0
Reduced v/c Ratio	0.12	0.33	0.42	0.07	0.08	0.16

Intersection Summary			
Area Type:	Other		
Cycle Length: 105			
Actuated Cycle Length: 57.3			
Natural Cycle: 50			
Control Type: Actuated-Uncoordinated			
Maximum v/c Ratio: 0.68			
Intersection Signal Delay (s/veh): 12.0		Intersection LOS: B	
Intersection Capacity Utilization 51.6%		ICU Level of Service A	
Analysis Period (min) 15			

Splits and Phases: 6: N French Rd & Crosspoint Pkwy



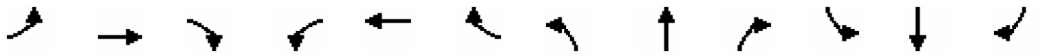
Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

APPENDIX E: LOS CALCULATIONS – FULL BUILD CONDITIONS

Lanes, Volumes, Timings
1: I-990 SB Ramps & N French Rd

2027 Full-Build AM RIRO
08/27/2024



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (vph)	0	721	428	464	540	0	0	0	0	1	0	55
Future Volume (vph)	0	721	428	464	540	0	0	0	0	1	0	55
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Storage Length (ft)	0		300	0		0	0		0	0		0
Storage Lanes	0		1	2		0	0		0	0		0
Taper Length (ft)	25			25			25			25		
Lane Util. Factor	1.00	0.95	1.00	0.97	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Frt			0.850								0.867	
Flt Protected				0.950							0.999	
Satd. Flow (prot)	0	3471	1495	3400	1712	0	0	0	0	0	1554	0
Flt Permitted				0.950							0.999	
Satd. Flow (perm)	0	3471	1495	3400	1712	0	0	0	0	0	1554	0
Right Turn on Red			Yes			Yes			Yes			Yes
Satd. Flow (RTOR)			266								147	
Link Speed (mph)		45			45			30			30	
Link Distance (ft)		612			440			428			410	
Travel Time (s)		9.3			6.7			9.7			9.3	
Peak Hour Factor	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
Heavy Vehicles (%)	0%	4%	8%	3%	11%	0%	0%	0%	0%	0%	0%	6%
Adj. Flow (vph)	0	767	455	494	574	0	0	0	0	1	0	59
Shared Lane Traffic (%)												
Lane Group Flow (vph)	0	767	455	494	574	0	0	0	0	0	60	0
Enter Blocked Intersection	No	No	No	No	No	No	No	No	No	No	No	No
Lane Alignment	Left	Left	Right	Left	Left	Right	Left	Left	Right	Left	Left	Right
Median Width(ft)		24			24			0			0	
Link Offset(ft)		0			0			0			0	
Crosswalk Width(ft)		16			16			16			16	
Two way Left Turn Lane												
Headway Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Turning Speed (mph)	15		9	15		9	15		9	15		9
Turn Type		NA	Perm	Prot	NA					Perm	NA	
Protected Phases		2 3 7		1	1 2 3 7						4	
Permitted Phases			2 3 7							4		
Detector Phase		2 3 7	2 3 7	1	1 2 3 7					4	4	
Switch Phase												
Minimum Initial (s)				10.0						6.0	6.0	
Minimum Split (s)				15.7						12.2	12.2	
Total Split (s)				40.0						15.0	15.0	
Total Split (%)				25.8%						9.7%	9.7%	
Maximum Green (s)				34.3						8.8	8.8	
Yellow Time (s)				4.3						3.6	3.6	
All-Red Time (s)				1.4						2.6	2.6	
Lost Time Adjust (s)				0.0							0.0	
Total Lost Time (s)				5.7							6.2	
Lead/Lag				Lead						Lag	Lag	
Lead-Lag Optimize?				Yes						Yes	Yes	
Vehicle Extension (s)				3.0						3.0	3.0	
Recall Mode				None						None	None	

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

Lane Group	Ø2	Ø3	Ø7
Lane Configurations			
Traffic Volume (vph)			
Future Volume (vph)			
Ideal Flow (vphpl)			
Storage Length (ft)			
Storage Lanes			
Taper Length (ft)			
Lane Util. Factor			
Frt			
Flt Protected			
Satd. Flow (prot)			
Flt Permitted			
Satd. Flow (perm)			
Right Turn on Red			
Satd. Flow (RTOR)			
Link Speed (mph)			
Link Distance (ft)			
Travel Time (s)			
Peak Hour Factor			
Heavy Vehicles (%)			
Adj. Flow (vph)			
Shared Lane Traffic (%)			
Lane Group Flow (vph)			
Enter Blocked Intersection			
Lane Alignment			
Median Width(ft)			
Link Offset(ft)			
Crosswalk Width(ft)			
Two way Left Turn Lane			
Headway Factor			
Turning Speed (mph)			
Turn Type			
Protected Phases	2	3	7
Permitted Phases			
Detector Phase			
Switch Phase			
Minimum Initial (s)	20.0	6.0	10.0
Minimum Split (s)	45.3	12.2	15.7
Total Split (s)	37.0	48.0	15.0
Total Split (%)	24%	31%	10%
Maximum Green (s)	30.7	41.8	9.3
Yellow Time (s)	4.3	3.6	4.3
All-Red Time (s)	2.0	2.6	1.4
Lost Time Adjust (s)			
Total Lost Time (s)			
Lead/Lag	Lag	Lead	
Lead-Lag Optimize?	Yes	Yes	
Vehicle Extension (s)	2.0	4.0	5.0
Recall Mode	Min	None	None

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

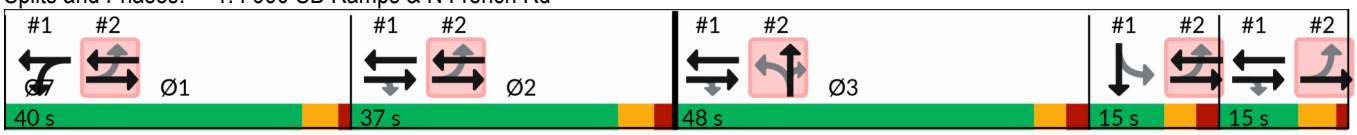
Lanes, Volumes, Timings
1: I-990 SB Ramps & N French Rd

2027 Full-Build AM RIRO
08/27/2024

Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Walk Time (s)												
Flash Dont Walk (s)												
Pedestrian Calls (#/hr)												
Act Effct Green (s)		84.3	84.3	33.3	130.2						8.8	
Actuated g/C Ratio		0.56	0.56	0.22	0.86						0.06	
v/c Ratio		0.39	0.47	0.65	0.38						0.26	
Control Delay (s/veh)		11.3	6.0	49.1	4.6						2.7	
Queue Delay		0.0	0.0	0.4	0.2						0.0	
Total Delay (s/veh)		11.3	6.0	49.5	4.8						2.7	
LOS		B	A	D	A						A	
Approach Delay (s/veh)		9.4			25.5						2.8	
Approach LOS		A			C						A	
Queue Length 50th (ft)		145	61	244	179						0	
Queue Length 95th (ft)		176	115	307	179						0	
Internal Link Dist (ft)		532			360			348			330	
Turn Bay Length (ft)			300									
Base Capacity (vph)		1943	953	774	1478						228	
Starvation Cap Reductn		0	0	55	299						0	
Spillback Cap Reductn		0	0	0	0						0	
Storage Cap Reductn		0	0	0	0						0	
Reduced v/c Ratio		0.39	0.48	0.69	0.49						0.26	

Intersection Summary			
Area Type:	Other		
Cycle Length: 155			
Actuated Cycle Length: 151			
Natural Cycle: 115			
Control Type: Actuated-Uncoordinated			
Maximum v/c Ratio: 0.66			
Intersection Signal Delay (s/veh): 16.5		Intersection LOS: B	
Intersection Capacity Utilization 59.9%		ICU Level of Service B	
Analysis Period (min) 15			

Splits and Phases: 1: I-990 SB Ramps & N French Rd

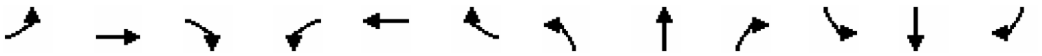


Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

Lane Group	Ø2	Ø3	Ø7
Walk Time (s)	7.0	7.0	
Flash Dont Walk (s)	32.0	32.0	
Pedestrian Calls (#/hr)	0	0	
Act Effct Green (s)			
Actuated g/C Ratio			
v/c Ratio			
Control Delay (s/veh)			
Queue Delay			
Total Delay (s/veh)			
LOS			
Approach Delay (s/veh)			
Approach LOS			
Queue Length 50th (ft)			
Queue Length 95th (ft)			
Internal Link Dist (ft)			
Turn Bay Length (ft)			
Base Capacity (vph)			
Starvation Cap Reductn			
Spillback Cap Reductn			
Storage Cap Reductn			
Reduced v/c Ratio			

Intersection Summary

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (vph)	53	669	0	0	837	0	168	1	730	0	0	0
Future Volume (vph)	53	669	0	0	837	0	168	1	730	0	0	0
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Storage Length (ft)	0		0	250		0	0		0	0		0
Storage Lanes	0		0	1		0	1		1	0		0
Taper Length (ft)	25			25			25			25		
Lane Util. Factor	0.95	0.95	1.00	1.00	0.91	0.91	1.00	0.95	0.95	1.00	1.00	1.00
Frt								0.850	0.850			
Flt Protected		0.996					0.950					
Satd. Flow (prot)	0	3457	0	0	5036	0	1543	1475	1475	0	0	0
Flt Permitted		0.788					0.950					
Satd. Flow (perm)	0	2735	0	0	5036	0	1543	1475	1475	0	0	0
Right Turn on Red			Yes			Yes			Yes			Yes
Satd. Flow (RTOR)								264	264			
Link Speed (mph)		45			45			30			30	
Link Distance (ft)		440			346			515			456	
Travel Time (s)		6.7			5.2			11.7			10.4	
Peak Hour Factor	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
Heavy Vehicles (%)	4%	4%	0%	0%	3%	0%	17%	0%	4%	0%	0%	0%
Adj. Flow (vph)	56	712	0	0	890	0	179	1	777	0	0	0
Shared Lane Traffic (%)									50%			
Lane Group Flow (vph)	0	768	0	0	890	0	179	390	388	0	0	0
Enter Blocked Intersection	No	No	No	No	No	No	No	No	No	No	No	No
Lane Alignment	Left	Left	Right	Left	Left	Right	Left	Left	Right	Left	Left	Right
Median Width(ft)		0			0			12			12	
Link Offset(ft)		0			0			0			0	
Crosswalk Width(ft)		16			16			16			16	
Two way Left Turn Lane												
Headway Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Turning Speed (mph)	15		9	15		9	15		9	15		9
Turn Type	Perm	NA			NA		Perm	NA	Perm			
Protected Phases		1 2 4 7			1 2 4			3				
Permitted Phases	1 2 4 7						3		3			
Detector Phase	1 2 4 7	1 2 4 7			1 2 4		3	3	3			
Switch Phase												
Minimum Initial (s)							6.0	6.0	6.0			
Minimum Split (s)							12.2	12.2	12.2			
Total Split (s)							48.0	48.0	48.0			
Total Split (%)							31.0%	31.0%	31.0%			
Maximum Green (s)							41.8	41.8	41.8			
Yellow Time (s)							3.6	3.6	3.6			
All-Red Time (s)							2.6	2.6	2.6			
Lost Time Adjust (s)							0.0	0.0	0.0			
Total Lost Time (s)							6.2	6.2	6.2			
Lead/Lag							Lead	Lead	Lead			
Lead-Lag Optimize?							Yes	Yes	Yes			
Vehicle Extension (s)							4.0	4.0	4.0			
Recall Mode							None	None	None			

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

Lane Group	Ø1	Ø2	Ø4	Ø7
Lane Configurations				
Traffic Volume (vph)				
Future Volume (vph)				
Ideal Flow (vphpl)				
Storage Length (ft)				
Storage Lanes				
Taper Length (ft)				
Lane Util. Factor				
Frt				
Flt Protected				
Satd. Flow (prot)				
Flt Permitted				
Satd. Flow (perm)				
Right Turn on Red				
Satd. Flow (RTOR)				
Link Speed (mph)				
Link Distance (ft)				
Travel Time (s)				
Peak Hour Factor				
Heavy Vehicles (%)				
Adj. Flow (vph)				
Shared Lane Traffic (%)				
Lane Group Flow (vph)				
Enter Blocked Intersection				
Lane Alignment				
Median Width(ft)				
Link Offset(ft)				
Crosswalk Width(ft)				
Two way Left Turn Lane				
Headway Factor				
Turning Speed (mph)				
Turn Type				
Protected Phases	1	2	4	7
Permitted Phases				
Detector Phase				
Switch Phase				
Minimum Initial (s)	10.0	20.0	6.0	10.0
Minimum Split (s)	15.7	45.3	12.2	15.7
Total Split (s)	40.0	37.0	15.0	15.0
Total Split (%)	26%	24%	10%	10%
Maximum Green (s)	34.3	30.7	8.8	9.3
Yellow Time (s)	4.3	4.3	3.6	4.3
All-Red Time (s)	1.4	2.0	2.6	1.4
Lost Time Adjust (s)				
Total Lost Time (s)				
Lead/Lag	Lead	Lag	Lag	
Lead-Lag Optimize?	Yes	Yes	Yes	
Vehicle Extension (s)	3.0	2.0	3.0	5.0
Recall Mode	None	Min	None	None

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

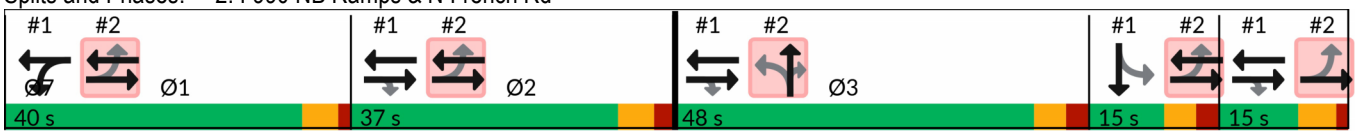
Lanes, Volumes, Timings
2: I-990 NB Ramps & N French Rd

2027 Full-Build AM RIRO
08/27/2024

Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Walk Time (s)							7.0	7.0	7.0			
Flash Dont Walk (s)							32.0	32.0	32.0			
Pedestrian Calls (#/hr)							0	0	0			
Act Effct Green (s)		98.3			77.6		40.7	40.7	40.7			
Actuated g/C Ratio		0.65			0.51		0.27	0.27	0.27			
v/c Ratio		0.43			0.34		0.43	0.66	0.65			
Control Delay (s/veh)		13.5			15.1		50.0	21.4	21.2			
Queue Delay		0.8			0.0		0.0	0.0	0.0			
Total Delay (s/veh)		14.4			15.1		50.0	21.4	21.2			
LOS		B			B		D	C	C			
Approach Delay (s/veh)		14.4			15.1			26.7				
Approach LOS		B			B			C				
Queue Length 50th (ft)		152			131		151	118	116			
Queue Length 95th (ft)		176			154		230	250	248			
Internal Link Dist (ft)		360			266			435			376	
Turn Bay Length (ft)												
Base Capacity (vph)		1817			2653		428	600	600			
Starvation Cap Reductn		704			0		0	0	0			
Spillback Cap Reductn		0			0		0	0	0			
Storage Cap Reductn		0			0		0	0	0			
Reduced v/c Ratio		0.69			0.34		0.42	0.65	0.65			

Intersection Summary			
Area Type:	Other		
Cycle Length: 155			
Actuated Cycle Length: 151			
Natural Cycle: 115			
Control Type: Actuated-Uncoordinated			
Maximum v/c Ratio: 0.66			
Intersection Signal Delay (s/veh): 19.2		Intersection LOS: B	
Intersection Capacity Utilization 66.0%		ICU Level of Service C	
Analysis Period (min) 15			

Splits and Phases: 2: I-990 NB Ramps & N French Rd

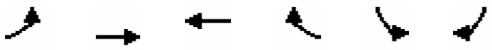


Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

Lane Group	Ø1	Ø2	Ø4	Ø7
Walk Time (s)		7.0		
Flash Dont Walk (s)		32.0		
Pedestrian Calls (#/hr)		0		
Act Effct Green (s)				
Actuated g/C Ratio				
v/c Ratio				
Control Delay (s/veh)				
Queue Delay				
Total Delay (s/veh)				
LOS				
Approach Delay (s/veh)				
Approach LOS				
Queue Length 50th (ft)				
Queue Length 95th (ft)				
Internal Link Dist (ft)				
Turn Bay Length (ft)				
Base Capacity (vph)				
Starvation Cap Reductn				
Spillback Cap Reductn				
Storage Cap Reductn				
Reduced v/c Ratio				

Intersection Summary

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)



Lane Group	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Volume (vph)	0	1399	807	1	0	30
Future Volume (vph)	0	1399	807	1	0	30
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Lane Util. Factor	1.00	0.95	0.95	0.95	1.00	1.00
Frt						0.865
Flt Protected						
Satd. Flow (prot)	0	3343	3505	0	0	1644
Flt Permitted						
Satd. Flow (perm)	0	3343	3505	0	0	1644
Link Speed (mph)		45	45		30	
Link Distance (ft)		346	984		610	
Travel Time (s)		7.3	12.9		13.9	
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92
Heavy Vehicles (%)	0%	8%	3%	0%	0%	0%
Adj. Flow (vph)	0	1521	877	1	0	33
Shared Lane Traffic (%)						
Lane Group Flow (vph)	0	1521	878	0	0	33
Enter Blocked Intersection	No	No	No	No	No	No
Lane Alignment	Left	Left	Left	Right	Left	Right
Median Width(ft)		12	12		12	
Link Offset(ft)		0	0		0	
Crosswalk Width(ft)		16	16		16	
Two way Left Turn Lane						
Headway Factor	1.00	1.00	1.00	1.00	1.00	1.00
Turning Speed (mph)	15			9	15	9
Sign Control		Free	Free		Stop	

Intersection Summary			
Area Type:	Other		
Control Type: Unsignalized			
Intersection Capacity Utilization 42.0%		ICU Level of Service A	
Analysis Period (min) 15			

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

Intersection	
Int Delay, s/veh	0.2

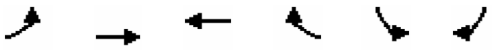
Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Vol, veh/h	0	1399	807	1	0	30
Future Vol, veh/h	0	1399	807	1	0	30
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	0	-
Veh in Median Storage, #	-	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	0	8	3	0	0	0
Mvmt Flow	0	1521	877	1	0	33

Major/Minor	Major1		Major2		Minor2	
Conflicting Flow All	-	0	-	0	-	439
Stage 1	-	-	-	-	-	-
Stage 2	-	-	-	-	-	-
Critical Hdwy	-	-	-	-	-	6.9
Critical Hdwy Stg 1	-	-	-	-	-	-
Critical Hdwy Stg 2	-	-	-	-	-	-
Follow-up Hdwy	-	-	-	-	-	3.3
Pot Cap-1 Maneuver	0	-	-	-	0	571
Stage 1	0	-	-	-	0	-
Stage 2	0	-	-	-	0	-
Platoon blocked, %		-	-	-		
Mov Cap-1 Maneuver	-	-	-	-	-	571
Mov Cap-2 Maneuver	-	-	-	-	-	-
Stage 1	-	-	-	-	-	-
Stage 2	-	-	-	-	-	-

Approach	EB	WB	SB
HCM Control Delay, s/v	0	0	11.68
HCM LOS			B

Minor Lane/Major Mvmt	EBT	WBT	WBR	SBLn1
Capacity (veh/h)	-	-	-	571
HCM Lane V/C Ratio	-	-	-	0.057
HCM Control Delay (s/veh)	-	-	-	11.7
HCM Lane LOS	-	-	-	B
HCM 95th %tile Q(veh)	-	-	-	0.2

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)



Lane Group	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Volume (vph)	14	1385	796	7	25	12
Future Volume (vph)	14	1385	796	7	25	12
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Lane Util. Factor	0.95	0.95	0.95	0.95	1.00	1.00
Frt			0.999			0.850
Flt Protected					0.950	
Satd. Flow (prot)	0	3345	3502	0	1805	1615
Flt Permitted					0.950	
Satd. Flow (perm)	0	3345	3502	0	1805	1615
Link Speed (mph)		45	45		30	
Link Distance (ft)		984	336		642	
Travel Time (s)		12.9	5.1		14.6	
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92
Heavy Vehicles (%)	0%	8%	3%	0%	0%	0%
Adj. Flow (vph)	15	1505	865	8	27	13
Shared Lane Traffic (%)						
Lane Group Flow (vph)	0	1520	873	0	27	13
Enter Blocked Intersection	No	No	No	No	No	No
Lane Alignment	Left	Left	Left	Right	Left	Right
Median Width(ft)		0	0		12	
Link Offset(ft)		0	0		0	
Crosswalk Width(ft)		16	16		16	
Two way Left Turn Lane						
Headway Factor	1.00	1.00	1.00	1.00	1.00	1.00
Turning Speed (mph)	15			9	15	9
Sign Control		Free	Free		Stop	

Intersection Summary			
Area Type:	Other		
Control Type: Unsignalized			
Intersection Capacity Utilization 58.1%		ICU Level of Service B	
Analysis Period (min) 15			

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

Intersection	
Int Delay, s/veh	1

Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Vol, veh/h	14	1385	796	7	25	12
Future Vol, veh/h	14	1385	796	7	25	12
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	0	-
Veh in Median Storage, #	-	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	0	8	3	0	0	0
Mvmt Flow	15	1505	865	8	27	13

Major/Minor	Major1		Major2		Minor2	
Conflicting Flow All	873	0	-	0	1652	436
Stage 1	-	-	-	-	869	-
Stage 2	-	-	-	-	783	-
Critical Hdwy	4.1	-	-	-	6.8	6.9
Critical Hdwy Stg 1	-	-	-	-	5.8	-
Critical Hdwy Stg 2	-	-	-	-	5.8	-
Follow-up Hdwy	2.2	-	-	-	3.5	3.3
Pot Cap-1 Maneuver	781	-	-	-	91	573
Stage 1	-	-	-	-	376	-
Stage 2	-	-	-	-	416	-
Platoon blocked, %		-	-	-		
Mov Cap-1 Maneuver	781	-	-	-	88	573
Mov Cap-2 Maneuver	-	-	-	-	88	-
Stage 1	-	-	-	-	363	-
Stage 2	-	-	-	-	416	-

Approach	EB	WB	SB
HCM Control Delay, s/v	0.41	0	46.33
HCM LOS			E

Minor Lane/Major Mvmt	EBL	EBT	WBT	WBR	SBLn1	SBLn2
Capacity (veh/h)	36	-	-	-	88	573
HCM Lane V/C Ratio	0.019	-	-	-	0.308	0.023
HCM Control Delay (s/veh)	9.7	0.3	-	-	63.1	11.4
HCM Lane LOS	A	A	-	-	F	B
HCM 95th %tile Q(veh)	0.1	-	-	-	1.2	0.1

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

Lane Group	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Traffic Volume (vph)	1393	17	3	785	18	3
Future Volume (vph)	1393	17	3	785	18	3
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Lane Util. Factor	0.95	0.95	0.95	0.95	1.00	1.00
Frt	0.998				0.982	
Flt Protected					0.958	
Satd. Flow (prot)	3530	0	0	3505	1699	0
Flt Permitted					0.958	
Satd. Flow (perm)	3530	0	0	3505	1699	0
Link Speed (mph)	45			45	35	
Link Distance (ft)	336			564	623	
Travel Time (s)	25.2			8.5	12.1	
Peak Hour Factor	0.90	0.90	0.90	0.90	0.90	0.90
Heavy Vehicles (%)	2%	6%	0%	3%	6%	0%
Adj. Flow (vph)	1548	19	3	872	20	3
Shared Lane Traffic (%)						
Lane Group Flow (vph)	1567	0	0	875	23	0
Enter Blocked Intersection	No	No	No	No	No	No
Lane Alignment	Left	Right	Left	Left	Left	Right
Median Width(ft)	24			24	12	
Link Offset(ft)	0			0	0	
Crosswalk Width(ft)	16			16	16	
Two way Left Turn Lane						
Headway Factor	1.00	1.00	1.00	1.00	1.00	1.00
Turning Speed (mph)		9	15		15	9
Sign Control	Free			Free	Stop	

Intersection Summary			
Area Type:	Other		
Control Type: Unsignalized			
Intersection Capacity Utilization 49.0%		ICU Level of Service A	
Analysis Period (min) 15			

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

Intersection	
Int Delay, s/veh	1.1

Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Traffic Vol, veh/h	1393	17	3	785	18	3
Future Vol, veh/h	1393	17	3	785	18	3
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	0	-
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	90	90	90	90	90	90
Heavy Vehicles, %	2	6	0	3	6	0
Mvmt Flow	1548	19	3	872	20	3

Major/Minor	Major1		Major2		Minor1	
Conflicting Flow All	0	0	1567	0	2000	783
Stage 1	-	-	-	-	1557	-
Stage 2	-	-	-	-	443	-
Critical Hdwy	-	-	4.1	-	6.92	6.9
Critical Hdwy Stg 1	-	-	-	-	5.92	-
Critical Hdwy Stg 2	-	-	-	-	5.92	-
Follow-up Hdwy	-	-	2.2	-	3.56	3.3
Pot Cap-1 Maneuver	-	-	427	-	50	341
Stage 1	-	-	-	-	153	-
Stage 2	-	-	-	-	603	-
Platoon blocked, %	-	-		-		
Mov Cap-1 Maneuver	-	-	427	-	49	341
Mov Cap-2 Maneuver	-	-	-	-	49	-
Stage 1	-	-	-	-	153	-
Stage 2	-	-	-	-	597	-

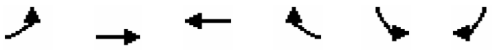
Approach	EB	WB	NB
HCM Control Delay, s/v	0	0.19	109.14
HCM LOS			F

Minor Lane/Major Mvmt	NBLn1	EBT	EBR	WBL	WBT
Capacity (veh/h)	56	-	-	14	-
HCM Lane V/C Ratio	0.417	-	-	0.008	-
HCM Control Delay (s/veh)	109.1	-	-	13.5	0.1
HCM Lane LOS	F	-	-	B	A
HCM 95th %tile Q(veh)	1.6	-	-	0	-

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

Lanes, Volumes, Timings
6: N French Rd & Crosspoint Pkwy

2027 Full-Build AM RIRO
08/27/2024



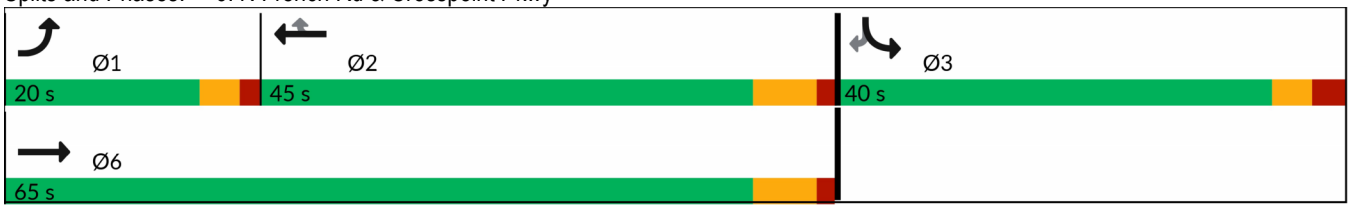
Lane Group	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Volume (vph)	382	1014	700	95	47	88
Future Volume (vph)	382	1014	700	95	47	88
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Storage Length (ft)	205			150	0	210
Storage Lanes	2			1	1	1
Taper Length (ft)	25				25	
Lane Util. Factor	0.97	0.95	0.95	1.00	1.00	0.88
Frt				0.850		0.850
Flt Protected	0.950				0.950	
Satd. Flow (prot)	3467	3438	3471	1538	1719	2682
Flt Permitted	0.950				0.950	
Satd. Flow (perm)	3467	3438	3471	1538	1719	2682
Right Turn on Red				Yes		Yes
Satd. Flow (RTOR)				98		105
Link Speed (mph)		45	45		30	
Link Distance (ft)		564	586		610	
Travel Time (s)		8.5	8.9		13.9	
Peak Hour Factor	0.84	0.84	0.84	0.84	0.84	0.84
Heavy Vehicles (%)	1%	5%	4%	5%	5%	6%
Adj. Flow (vph)	455	1207	833	113	56	105
Shared Lane Traffic (%)						
Lane Group Flow (vph)	455	1207	833	113	56	105
Enter Blocked Intersection	No	No	No	No	No	No
Lane Alignment	Left	Left	Left	Right	Left	Right
Median Width(ft)		24	24		12	
Link Offset(ft)		0	0		0	
Crosswalk Width(ft)		16	16		16	
Two way Left Turn Lane						
Headway Factor	1.00	1.00	1.00	1.00	1.00	1.00
Turning Speed (mph)	15			9	15	9
Turn Type	Prot	NA	NA	Perm	Prot	Perm
Protected Phases	1	6	2		3	
Permitted Phases				2		3
Detector Phase	1	6	2	2	3	3
Switch Phase						
Minimum Initial (s)	6.0	15.0	15.0	15.0	6.0	6.0
Minimum Split (s)	10.7	21.4	21.4	21.4	11.8	11.8
Total Split (s)	20.0	65.0	45.0	45.0	40.0	40.0
Total Split (%)	19.0%	61.9%	42.9%	42.9%	38.1%	38.1%
Maximum Green (s)	15.3	58.6	38.6	38.6	34.2	34.2
Yellow Time (s)	3.2	5.0	5.0	5.0	3.2	3.2
All-Red Time (s)	1.5	1.4	1.4	1.4	2.6	2.6
Lost Time Adjust (s)	0.0	0.0	0.0	0.0	0.0	0.0
Total Lost Time (s)	4.7	6.4	6.4	6.4	5.8	5.8
Lead/Lag	Lead		Lag	Lag		
Lead-Lag Optimize?	Yes		Yes	Yes		
Vehicle Extension (s)	3.0	3.0	3.0	3.0	3.0	3.0
Recall Mode	None	Min	Min	Min	None	None

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

Lane Group	EBL	EBT	WBT	WBR	SBL	SBR
Walk Time (s)			7.0	7.0		
Flash Dont Walk (s)			15.0	15.0		
Pedestrian Calls (#/hr)			0	0		
Act Effct Green (s)	14.1	42.3	21.2	21.2	8.0	8.0
Actuated g/C Ratio	0.25	0.74	0.37	0.37	0.14	0.14
v/c Ratio	0.53	0.47	0.64	0.17	0.23	0.22
Control Delay (s/veh)	23.5	5.4	18.8	5.2	28.0	7.9
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay (s/veh)	23.5	5.4	18.8	5.2	28.0	7.9
LOS	C	A	B	A	C	A
Approach Delay (s/veh)		10.4	17.3		15.0	
Approach LOS		B	B		B	
Queue Length 50th (ft)	74	94	135	4	19	0
Queue Length 95th (ft)	126	136	184	28	49	18
Internal Link Dist (ft)		484	506		530	
Turn Bay Length (ft)	205			150		210
Base Capacity (vph)	975	3233	2417	1101	1081	1725
Starvation Cap Reductn	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0
Reduced v/c Ratio	0.47	0.37	0.34	0.10	0.05	0.06

Intersection Summary			
Area Type:	Other		
Cycle Length: 105			
Actuated Cycle Length: 57.4			
Natural Cycle: 55			
Control Type: Actuated-Uncoordinated			
Maximum v/c Ratio: 0.65			
Intersection Signal Delay (s/veh): 13.0		Intersection LOS: B	
Intersection Capacity Utilization 49.3%		ICU Level of Service A	
Analysis Period (min) 15			

Splits and Phases: 6: N French Rd & Crosspoint Pkwy



Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)



Lane Group	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Traffic Volume (vph)	2	13	3	481	136	1
Future Volume (vph)	2	13	3	481	136	1
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Lane Util. Factor	1.00	1.00	0.95	0.95	0.95	0.95
Frt	0.882				0.999	
Flt Protected	0.994					
Satd. Flow (prot)	1633	0	0	3539	3536	0
Flt Permitted	0.994					
Satd. Flow (perm)	1633	0	0	3539	3536	0
Link Speed (mph)	30			30	30	
Link Distance (ft)	544			610	380	
Travel Time (s)	12.4			13.9	8.6	
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92
Adj. Flow (vph)	2	14	3	523	148	1
Shared Lane Traffic (%)						
Lane Group Flow (vph)	16	0	0	526	149	0
Enter Blocked Intersection	No	No	No	No	No	No
Lane Alignment	Left	Right	Left	Left	Left	Right
Median Width(ft)	12			0	0	
Link Offset(ft)	0			0	0	
Crosswalk Width(ft)	16			16	16	
Two way Left Turn Lane						
Headway Factor	1.00	1.00	1.00	1.00	1.00	1.00
Turning Speed (mph)	15	9	15			9
Sign Control	Stop			Free	Free	

Intersection Summary			
Area Type:	Other		
Control Type: Unsignalized			
Intersection Capacity Utilization 25.4%		ICU Level of Service A	
Analysis Period (min) 15			

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

Intersection	
Int Delay, s/veh	0.3

Movement	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Traffic Vol, veh/h	2	13	3	481	136	1
Future Vol, veh/h	2	13	3	481	136	1
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	-	-	-	-	-
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	2	14	3	523	148	1

Major/Minor	Minor2		Major1		Major2	
Conflicting Flow All	416	74	149	0	-	0
Stage 1	148	-	-	-	-	-
Stage 2	268	-	-	-	-	-
Critical Hdwy	6.84	6.94	4.14	-	-	-
Critical Hdwy Stg 1	5.84	-	-	-	-	-
Critical Hdwy Stg 2	5.84	-	-	-	-	-
Follow-up Hdwy	3.52	3.32	2.22	-	-	-
Pot Cap-1 Maneuver	564	972	1430	-	-	-
Stage 1	864	-	-	-	-	-
Stage 2	753	-	-	-	-	-
Platoon blocked, %				-	-	-
Mov Cap-1 Maneuver	563	972	1430	-	-	-
Mov Cap-2 Maneuver	563	-	-	-	-	-
Stage 1	861	-	-	-	-	-
Stage 2	753	-	-	-	-	-

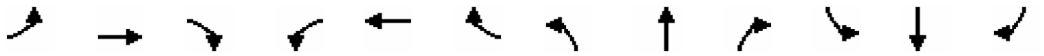
Approach	EB	NB	SB
HCM Control Delay, s/v	9.14	0.07	0
HCM LOS	A		

Minor Lane/Major Mvmt	NBL	NBT	EBLn1	SBT	SBR
Capacity (veh/h)	22	-	886	-	-
HCM Lane V/C Ratio	0.002	-	0.018	-	-
HCM Control Delay (s/veh)	7.5	0	9.1	-	-
HCM Lane LOS	A	A	A	-	-
HCM 95th %tile Q(veh)	0	-	0.1	-	-

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

Lanes, Volumes, Timings
1: I-990 SB Ramps & N French Rd

2027 Full-Build PM RIRO
08/27/2024



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (vph)	0	693	225	660	1041	0	0	0	0	4	0	47
Future Volume (vph)	0	693	225	660	1041	0	0	0	0	4	0	47
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Storage Length (ft)	0		300	0		0	0		0	0		0
Storage Lanes	0		1	2		0	0		0	0		0
Taper Length (ft)	25			25			25			25		
Lane Util. Factor	1.00	0.95	1.00	0.97	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Frt			0.850								0.875	
Flt Protected				0.950							0.996	
Satd. Flow (prot)	0	3471	1495	3400	1712	0	0	0	0	0	1569	0
Flt Permitted				0.950							0.996	
Satd. Flow (perm)	0	3471	1495	3400	1712	0	0	0	0	0	1569	0
Right Turn on Red			Yes			Yes			Yes			Yes
Satd. Flow (RTOR)			234								147	
Link Speed (mph)		45			45			30			30	
Link Distance (ft)		612			440			428			410	
Travel Time (s)		9.3			6.7			9.7			9.3	
Peak Hour Factor	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
Heavy Vehicles (%)	0%	4%	8%	3%	11%	0%	0%	0%	0%	0%	0%	6%
Adj. Flow (vph)	0	737	239	702	1107	0	0	0	0	4	0	50
Shared Lane Traffic (%)												
Lane Group Flow (vph)	0	737	239	702	1107	0	0	0	0	0	54	0
Enter Blocked Intersection	No	No	No	No	No	No	No	No	No	No	No	No
Lane Alignment	Left	Left	Right	Left	Left	Right	Left	Left	Right	Left	Left	Right
Median Width(ft)		24			24			0			0	
Link Offset(ft)		0			0			0			0	
Crosswalk Width(ft)		16			16			16			16	
Two way Left Turn Lane												
Headway Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Turning Speed (mph)	15		9	15		9	15		9	15		9
Turn Type		NA	Perm	Prot	NA					Perm	NA	
Protected Phases		2 3 7		1	1 2 3 7						4	
Permitted Phases			2 3 7							4		
Detector Phase		2 3 7	2 3 7	1	1 2 3 7					4	4	
Switch Phase												
Minimum Initial (s)				10.0						6.0	6.0	
Minimum Split (s)				15.7						12.2	12.2	
Total Split (s)				40.0						15.0	15.0	
Total Split (%)				25.8%						9.7%	9.7%	
Maximum Green (s)				34.3						8.8	8.8	
Yellow Time (s)				4.3						3.6	3.6	
All-Red Time (s)				1.4						2.6	2.6	
Lost Time Adjust (s)				0.0							0.0	
Total Lost Time (s)				5.7							6.2	
Lead/Lag				Lead						Lag	Lag	
Lead-Lag Optimize?				Yes						Yes	Yes	
Vehicle Extension (s)				3.0						3.0	3.0	
Recall Mode				None						None	None	

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

Lane Group	Ø2	Ø3	Ø7
Lane Configurations			
Traffic Volume (vph)			
Future Volume (vph)			
Ideal Flow (vphpl)			
Storage Length (ft)			
Storage Lanes			
Taper Length (ft)			
Lane Util. Factor			
Frt			
Flt Protected			
Satd. Flow (prot)			
Flt Permitted			
Satd. Flow (perm)			
Right Turn on Red			
Satd. Flow (RTOR)			
Link Speed (mph)			
Link Distance (ft)			
Travel Time (s)			
Peak Hour Factor			
Heavy Vehicles (%)			
Adj. Flow (vph)			
Shared Lane Traffic (%)			
Lane Group Flow (vph)			
Enter Blocked Intersection			
Lane Alignment			
Median Width(ft)			
Link Offset(ft)			
Crosswalk Width(ft)			
Two way Left Turn Lane			
Headway Factor			
Turning Speed (mph)			
Turn Type			
Protected Phases	2	3	7
Permitted Phases			
Detector Phase			
Switch Phase			
Minimum Initial (s)	20.0	6.0	10.0
Minimum Split (s)	45.3	12.2	15.7
Total Split (s)	37.0	48.0	15.0
Total Split (%)	24%	31%	10%
Maximum Green (s)	30.7	41.8	9.3
Yellow Time (s)	4.3	3.6	4.3
All-Red Time (s)	2.0	2.6	1.4
Lost Time Adjust (s)			
Total Lost Time (s)			
Lead/Lag	Lag	Lead	
Lead-Lag Optimize?	Yes	Yes	
Vehicle Extension (s)	2.0	4.0	5.0
Recall Mode	Min	None	None

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

Lanes, Volumes, Timings
1: I-990 SB Ramps & N French Rd

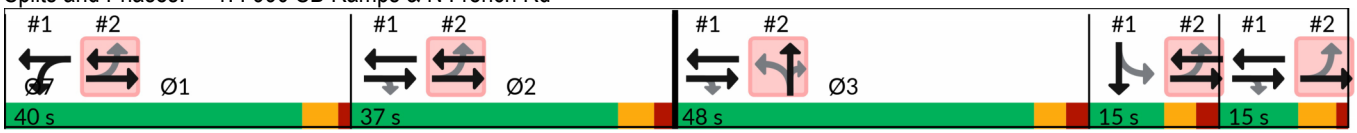
2027 Full-Build PM RIRO
08/27/2024

Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Walk Time (s)												
Flash Dont Walk (s)												
Pedestrian Calls (#/hr)												
Act Effct Green (s)		87.4	87.4	34.3	134.3						8.8	
Actuated g/C Ratio		0.56	0.56	0.22	0.87						0.06	
v/c Ratio		0.37	0.25	0.93	0.74						0.23	
Control Delay (s/veh)		11.2	1.7	61.9	10.3						2.4	
Queue Delay		0.0	0.0	8.3	2.6						0.0	
Total Delay (s/veh)		11.2	1.7	70.3	13.0						2.4	
LOS		B	A	E	B						A	
Approach Delay (s/veh)		8.9			35.3						2.5	
Approach LOS		A			D						A	
Queue Length 50th (ft)		137	1	340	321						0	
Queue Length 95th (ft)		167	27	m#454	m455						0	
Internal Link Dist (ft)		532			360			348			330	
Turn Bay Length (ft)			300									
Base Capacity (vph)		1929	935	752	1471						227	
Starvation Cap Reductn		0	0	43	246						0	
Spillback Cap Reductn		0	0	0	0						0	
Storage Cap Reductn		0	0	0	0						0	
Reduced v/c Ratio		0.38	0.26	0.99	0.90						0.24	

Intersection Summary			
Area Type:	Other		
Cycle Length: 155			
Actuated Cycle Length: 155			
Natural Cycle: 145			
Control Type: Actuated-Uncoordinated			
Maximum v/c Ratio: 0.93			
Intersection Signal Delay (s/veh): 25.6		Intersection LOS: C	
Intersection Capacity Utilization 69.7%		ICU Level of Service C	
Analysis Period (min) 15			

\# 95th percentile volume exceeds capacity, queue may be longer.
Queue shown is maximum after two cycles.
m Volume for 95th percentile queue is metered by upstream signal.

Splits and Phases: 1: I-990 SB Ramps & N French Rd



Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

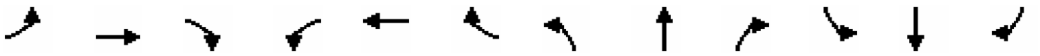
Lane Group	Ø2	Ø3	Ø7
Walk Time (s)	7.0	7.0	
Flash Dont Walk (s)	32.0	32.0	
Pedestrian Calls (#/hr)	0	0	
Act Effct Green (s)			
Actuated g/C Ratio			
v/c Ratio			
Control Delay (s/veh)			
Queue Delay			
Total Delay (s/veh)			
LOS			
Approach Delay (s/veh)			
Approach LOS			
Queue Length 50th (ft)			
Queue Length 95th (ft)			
Internal Link Dist (ft)			
Turn Bay Length (ft)			
Base Capacity (vph)			
Starvation Cap Reductn			
Spillback Cap Reductn			
Storage Cap Reductn			
Reduced v/c Ratio			

Intersection Summary

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

Lanes, Volumes, Timings
2: I-990 NB Ramps & N French Rd

2027 Full-Build PM RIRO
08/27/2024



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (vph)	48	650	0	0	1345	0	354	1	596	0	0	0
Future Volume (vph)	48	650	0	0	1345	0	354	1	596	0	0	0
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Storage Length (ft)	0		0	250		0	0		0	0		0
Storage Lanes	0		0	1		0	1		1	0		0
Taper Length (ft)	25			25			25			25		
Lane Util. Factor	0.95	0.95	1.00	1.00	0.91	0.91	1.00	0.95	0.95	1.00	1.00	1.00
Frt								0.850	0.850			
Flt Protected		0.997					0.950					
Satd. Flow (prot)	0	3461	0	0	5036	0	1543	1475	1475	0	0	0
Flt Permitted		0.707					0.950					
Satd. Flow (perm)	0	2454	0	0	5036	0	1543	1475	1475	0	0	0
Right Turn on Red			Yes			Yes			Yes			Yes
Satd. Flow (RTOR)								276	276			
Link Speed (mph)		45			45			30			30	
Link Distance (ft)		440			480			515			456	
Travel Time (s)		6.7			7.3			11.7			10.4	
Peak Hour Factor	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
Heavy Vehicles (%)	4%	4%	0%	0%	3%	0%	17%	0%	4%	0%	0%	0%
Adj. Flow (vph)	51	691	0	0	1431	0	377	1	634	0	0	0
Shared Lane Traffic (%)									50%			
Lane Group Flow (vph)	0	742	0	0	1431	0	377	318	317	0	0	0
Enter Blocked Intersection	No	No	No	No	No	No	No	No	No	No	No	No
Lane Alignment	Left	Left	Right	Left	Left	Right	Left	Left	Right	Left	Left	Right
Median Width(ft)		0			0			12			12	
Link Offset(ft)		0			0			0			0	
Crosswalk Width(ft)		16			16			16			16	
Two way Left Turn Lane												
Headway Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Turning Speed (mph)	15		9	15		9	15		9	15		9
Turn Type	Perm	NA			NA		Perm	NA	Perm			
Protected Phases		1 2 4 7			1 2 4			3				
Permitted Phases	1 2 4 7						3		3			
Detector Phase	1 2 4 7	1 2 4 7			1 2 4		3	3	3			
Switch Phase												
Minimum Initial (s)							6.0	6.0	6.0			
Minimum Split (s)							12.2	12.2	12.2			
Total Split (s)							48.0	48.0	48.0			
Total Split (%)							31.0%	31.0%	31.0%			
Maximum Green (s)							41.8	41.8	41.8			
Yellow Time (s)							3.6	3.6	3.6			
All-Red Time (s)							2.6	2.6	2.6			
Lost Time Adjust (s)							0.0	0.0	0.0			
Total Lost Time (s)							6.2	6.2	6.2			
Lead/Lag							Lead	Lead	Lead			
Lead-Lag Optimize?							Yes	Yes	Yes			
Vehicle Extension (s)							4.0	4.0	4.0			
Recall Mode							None	None	None			

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

Lane Group	Ø1	Ø2	Ø4	Ø7
Lane Configurations				
Traffic Volume (vph)				
Future Volume (vph)				
Ideal Flow (vphpl)				
Storage Length (ft)				
Storage Lanes				
Taper Length (ft)				
Lane Util. Factor				
Frt				
Flt Protected				
Satd. Flow (prot)				
Flt Permitted				
Satd. Flow (perm)				
Right Turn on Red				
Satd. Flow (RTOR)				
Link Speed (mph)				
Link Distance (ft)				
Travel Time (s)				
Peak Hour Factor				
Heavy Vehicles (%)				
Adj. Flow (vph)				
Shared Lane Traffic (%)				
Lane Group Flow (vph)				
Enter Blocked Intersection				
Lane Alignment				
Median Width(ft)				
Link Offset(ft)				
Crosswalk Width(ft)				
Two way Left Turn Lane				
Headway Factor				
Turning Speed (mph)				
Turn Type				
Protected Phases	1	2	4	7
Permitted Phases				
Detector Phase				
Switch Phase				
Minimum Initial (s)	10.0	20.0	6.0	10.0
Minimum Split (s)	15.7	45.3	12.2	15.7
Total Split (s)	40.0	37.0	15.0	15.0
Total Split (%)	26%	24%	10%	10%
Maximum Green (s)	34.3	30.7	8.8	9.3
Yellow Time (s)	4.3	4.3	3.6	4.3
All-Red Time (s)	1.4	2.0	2.6	1.4
Lost Time Adjust (s)				
Total Lost Time (s)				
Lead/Lag	Lead	Lag	Lag	
Lead-Lag Optimize?	Yes	Yes	Yes	
Vehicle Extension (s)	3.0	2.0	3.0	5.0
Recall Mode	None	Min	None	None

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

Lanes, Volumes, Timings
2: I-990 NB Ramps & N French Rd

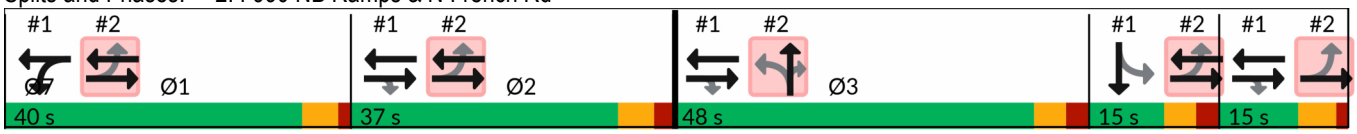
2027 Full-Build PM RIRO
08/27/2024

Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Walk Time (s)							7.0	7.0	7.0			
Flash Dont Walk (s)							32.0	32.0	32.0			
Pedestrian Calls (#/hr)							0	0	0			
Act Effct Green (s)		101.3			80.6		41.8	41.8	41.8			
Actuated g/C Ratio		0.65			0.52		0.27	0.27	0.27			
v/c Ratio		0.46			0.54		0.90	0.53	0.52			
Control Delay (s/veh)		15.0			21.5		80.5	11.4	11.3			
Queue Delay		0.9			0.0		0.0	0.0	0.0			
Total Delay (s/veh)		16.0			21.6		80.5	11.4	11.3			
LOS		B			C		F	B	B			
Approach Delay (s/veh)		16.1			21.6			37.2				
Approach LOS		B			C			D				
Queue Length 50th (ft)		147			242		372	33	32			
Queue Length 95th (ft)		172			273		#566	132	131			
Internal Link Dist (ft)		360			400			435			376	
Turn Bay Length (ft)												
Base Capacity (vph)		1603			2618		416	599	599			
Starvation Cap Reductn		563			0		0	0	0			
Spillback Cap Reductn		0			151		0	0	0			
Storage Cap Reductn		0			0		0	0	0			
Reduced v/c Ratio		0.71			0.58		0.91	0.53	0.53			

Intersection Summary			
Area Type:	Other		
Cycle Length: 155			
Actuated Cycle Length: 155			
Natural Cycle: 145			
Control Type: Actuated-Uncoordinated			
Maximum v/c Ratio: 0.93			
Intersection Signal Delay (s/veh): 25.3		Intersection LOS: C	
Intersection Capacity Utilization 79.6%		ICU Level of Service D	
Analysis Period (min) 15			

95th percentile volume exceeds capacity, queue may be longer.
Queue shown is maximum after two cycles.

Splits and Phases: 2: I-990 NB Ramps & N French Rd

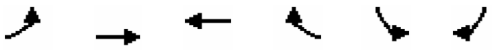


Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

Lane Group	Ø1	Ø2	Ø4	Ø7
Walk Time (s)		7.0		
Flash Dont Walk (s)		32.0		
Pedestrian Calls (#/hr)		0		
Act Effct Green (s)				
Actuated g/C Ratio				
v/c Ratio				
Control Delay (s/veh)				
Queue Delay				
Total Delay (s/veh)				
LOS				
Approach Delay (s/veh)				
Approach LOS				
Queue Length 50th (ft)				
Queue Length 95th (ft)				
Internal Link Dist (ft)				
Turn Bay Length (ft)				
Base Capacity (vph)				
Starvation Cap Reductn				
Spillback Cap Reductn				
Storage Cap Reductn				
Reduced v/c Ratio				

Intersection Summary

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)



Lane Group	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Volume (vph)	0	1246	1327	4	0	18
Future Volume (vph)	0	1246	1327	4	0	18
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Lane Util. Factor	1.00	0.95	0.95	0.95	1.00	1.00
Frt						0.865
Flt Protected						
Satd. Flow (prot)	0	3343	3313	0	0	1644
Flt Permitted						
Satd. Flow (perm)	0	3343	3313	0	0	1644
Link Speed (mph)		45	45		30	
Link Distance (ft)		480	850		610	
Travel Time (s)		7.3	12.9		13.9	
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92
Heavy Vehicles (%)	0%	8%	9%	0%	0%	0%
Adj. Flow (vph)	0	1354	1442	4	0	20
Shared Lane Traffic (%)						
Lane Group Flow (vph)	0	1354	1446	0	0	20
Enter Blocked Intersection	No	No	No	No	No	No
Lane Alignment	Left	Left	Left	Right	Left	Right
Median Width(ft)		12	12		12	
Link Offset(ft)		0	0		0	
Crosswalk Width(ft)		16	16		16	
Two way Left Turn Lane						
Headway Factor	1.00	1.00	1.00	1.00	1.00	1.00
Turning Speed (mph)	15			9	15	9
Sign Control		Free	Free		Stop	

Intersection Summary			
Area Type:	Other		
Control Type: Unsignalized			
Intersection Capacity Utilization 46.8%		ICU Level of Service A	
Analysis Period (min) 15			

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

Intersection	
Int Delay, s/veh	0.1

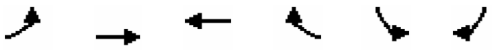
Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Vol, veh/h	0	1246	1327	4	0	18
Future Vol, veh/h	0	1246	1327	4	0	18
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	0	-
Veh in Median Storage, #	-	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	0	8	9	0	0	0
Mvmt Flow	0	1354	1442	4	0	20

Major/Minor	Major1		Major2		Minor2	
Conflicting Flow All	-	0	-	0	-	723
Stage 1	-	-	-	-	-	-
Stage 2	-	-	-	-	-	-
Critical Hdwy	-	-	-	-	-	6.9
Critical Hdwy Stg 1	-	-	-	-	-	-
Critical Hdwy Stg 2	-	-	-	-	-	-
Follow-up Hdwy	-	-	-	-	-	3.3
Pot Cap-1 Maneuver	0	-	-	-	0	373
Stage 1	0	-	-	-	0	-
Stage 2	0	-	-	-	0	-
Platoon blocked, %		-	-	-		
Mov Cap-1 Maneuver	-	-	-	-	-	373
Mov Cap-2 Maneuver	-	-	-	-	-	-
Stage 1	-	-	-	-	-	-
Stage 2	-	-	-	-	-	-

Approach	EB	WB	SB
HCM Control Delay, s/v	0	0	15.18
HCM LOS			C

Minor Lane/Major Mvmt	EBT	WBT	WBR	SBLn1
Capacity (veh/h)	-	-	-	373
HCM Lane V/C Ratio	-	-	-	0.052
HCM Control Delay (s/veh)	-	-	-	15.2
HCM Lane LOS	-	-	-	C
HCM 95th %tile Q(veh)	-	-	-	0.2

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)



Lane Group	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Volume (vph)	40	1206	1324	20	15	7
Future Volume (vph)	40	1206	1324	20	15	7
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Lane Util. Factor	0.95	0.95	0.95	0.95	1.00	1.00
Frt			0.998			0.850
Flt Protected		0.998			0.950	
Satd. Flow (prot)	0	3344	3309	0	1805	1615
Flt Permitted		0.998			0.950	
Satd. Flow (perm)	0	3344	3309	0	1805	1615
Link Speed (mph)		45	45		30	
Link Distance (ft)		850	336		642	
Travel Time (s)		12.9	5.1		14.6	
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92
Heavy Vehicles (%)	0%	8%	9%	0%	0%	0%
Adj. Flow (vph)	43	1311	1439	22	16	8
Shared Lane Traffic (%)						
Lane Group Flow (vph)	0	1354	1461	0	16	8
Enter Blocked Intersection	No	No	No	No	No	No
Lane Alignment	Left	Left	Left	Right	Left	Right
Median Width(ft)		0	0		12	
Link Offset(ft)		0	0		0	
Crosswalk Width(ft)		16	16		16	
Two way Left Turn Lane						
Headway Factor	1.00	1.00	1.00	1.00	1.00	1.00
Turning Speed (mph)	15			9	15	9
Sign Control		Free	Free		Stop	

Intersection Summary			
Area Type:	Other		
Control Type: Unsignalized			
Intersection Capacity Utilization 72.3%		ICU Level of Service C	
Analysis Period (min) 15			

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

Intersection	
Int Delay, s/veh	2.2

Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Vol, veh/h	40	1206	1324	20	15	7
Future Vol, veh/h	40	1206	1324	20	15	7
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	0	-
Veh in Median Storage, #	-	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	0	8	9	0	0	0
Mvmt Flow	43	1311	1439	22	16	8

Major/Minor	Major1		Major2		Minor2	
Conflicting Flow All	1461	0	-	0	2192	730
Stage 1	-	-	-	-	1450	-
Stage 2	-	-	-	-	742	-
Critical Hdwy	4.1	-	-	-	6.8	6.9
Critical Hdwy Stg 1	-	-	-	-	5.8	-
Critical Hdwy Stg 2	-	-	-	-	5.8	-
Follow-up Hdwy	2.2	-	-	-	3.5	3.3
Pot Cap-1 Maneuver	469	-	-	-	40	369
Stage 1	-	-	-	-	186	-
Stage 2	-	-	-	-	437	-
Platoon blocked, %		-	-	-		
Mov Cap-1 Maneuver	469	-	-	-	34	369
Mov Cap-2 Maneuver	-	-	-	-	34	-
Stage 1	-	-	-	-	158	-
Stage 2	-	-	-	-	437	-

Approach	EB	WB	SB
HCM Control Delay, s/v	2.22	0	132.02
HCM LOS			F

Minor Lane/Major Mvmt	EBL	EBT	WBT	WBR	SBLn1	SBLn2
Capacity (veh/h)	116	-	-	-	34	369
HCM Lane V/C Ratio	0.093	-	-	-	0.483	0.021
HCM Control Delay (s/veh)	13.5	1.8	-	-	186.7	15
HCM Lane LOS	B	A	-	-	F	B
HCM 95th %tile Q(veh)	0.3	-	-	-	1.6	0.1

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

Lane Group	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Traffic Volume (vph)	1183	37	11	1327	17	4
Future Volume (vph)	1183	37	11	1327	17	4
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Lane Util. Factor	0.95	0.95	0.95	0.95	1.00	1.00
Frt	0.995				0.977	
Flt Protected					0.960	
Satd. Flow (prot)	3517	0	0	3506	1698	0
Flt Permitted					0.960	
Satd. Flow (perm)	3517	0	0	3506	1698	0
Link Speed (mph)	45			45	35	
Link Distance (ft)	336			564	623	
Travel Time (s)	25.2			8.5	12.1	
Peak Hour Factor	0.90	0.90	0.90	0.90	0.90	0.90
Heavy Vehicles (%)	2%	6%	0%	3%	6%	0%
Adj. Flow (vph)	1314	41	12	1474	19	4
Shared Lane Traffic (%)						
Lane Group Flow (vph)	1355	0	0	1486	23	0
Enter Blocked Intersection	No	No	No	No	No	No
Lane Alignment	Left	Right	Left	Left	Left	Right
Median Width(ft)	24			24	12	
Link Offset(ft)	0			0	0	
Crosswalk Width(ft)	16			16	16	
Two way Left Turn Lane						
Headway Factor	1.00	1.00	1.00	1.00	1.00	1.00
Turning Speed (mph)		9	15		15	9
Sign Control	Free			Free	Stop	

Intersection Summary			
Area Type:	Other		
Control Type: Unsignalized			
Intersection Capacity Utilization 54.4%		ICU Level of Service A	
Analysis Period (min) 15			

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

Intersection	
Int Delay, s/veh	1.4

Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Traffic Vol, veh/h	1183	37	11	1327	17	4
Future Vol, veh/h	1183	37	11	1327	17	4
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	0	-
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	90	90	90	90	90	90
Heavy Vehicles, %	2	6	0	3	6	0
Mvmt Flow	1314	41	12	1474	19	4

Major/Minor	Major1		Major2		Minor1	
Conflicting Flow All	0	0	1356	0	2097	678
Stage 1	-	-	-	-	1335	-
Stage 2	-	-	-	-	762	-
Critical Hdwy	-	-	4.1	-	6.92	6.9
Critical Hdwy Stg 1	-	-	-	-	5.92	-
Critical Hdwy Stg 2	-	-	-	-	5.92	-
Follow-up Hdwy	-	-	2.2	-	3.56	3.3
Pot Cap-1 Maneuver	-	-	514	-	43	400
Stage 1	-	-	-	-	203	-
Stage 2	-	-	-	-	411	-
Platoon blocked, %	-	-		-		
Mov Cap-1 Maneuver	-	-	514	-	41	400
Mov Cap-2 Maneuver	-	-	-	-	41	-
Stage 1	-	-	-	-	203	-
Stage 2	-	-	-	-	395	-

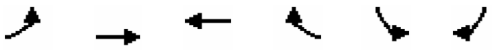
Approach	EB	WB	NB
HCM Control Delay, s/v	0	0.58	131.41
HCM LOS			F

Minor Lane/Major Mvmt	NBLn1	EBT	EBR	WBL	WBT
Capacity (veh/h)	49	-	-	30	-
HCM Lane V/C Ratio	0.473	-	-	0.024	-
HCM Control Delay (s/veh)	131.4	-	-	12.2	0.5
HCM Lane LOS	F	-	-	B	A
HCM 95th %tile Q(veh)	1.7	-	-	0.1	-

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

Lanes, Volumes, Timings
6: N French Rd & Crosspoint Pkwy

2027 Full-Build PM RIRO
08/27/2024



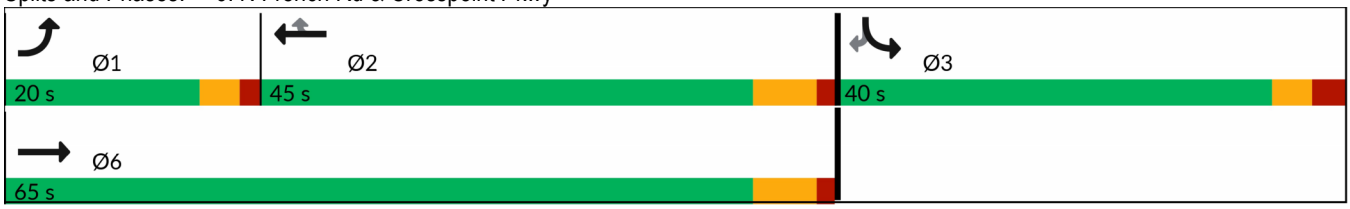
Lane Group	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Volume (vph)	119	1068	1032	73	89	305
Future Volume (vph)	119	1068	1032	73	89	305
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Storage Length (ft)	205			150	0	210
Storage Lanes	2			1	1	1
Taper Length (ft)	25				25	
Lane Util. Factor	0.97	0.95	0.95	1.00	1.00	0.88
Frt				0.850		0.850
Flt Protected	0.950				0.950	
Satd. Flow (prot)	3467	3438	3471	1538	1719	2682
Flt Permitted	0.950				0.950	
Satd. Flow (perm)	3467	3438	3471	1538	1719	2682
Right Turn on Red				Yes		Yes
Satd. Flow (RTOR)				51		363
Link Speed (mph)		45	45		30	
Link Distance (ft)		564	586		610	
Travel Time (s)		8.5	8.9		13.9	
Peak Hour Factor	0.84	0.84	0.84	0.84	0.84	0.84
Heavy Vehicles (%)	1%	5%	4%	5%	5%	6%
Adj. Flow (vph)	142	1271	1229	87	106	363
Shared Lane Traffic (%)						
Lane Group Flow (vph)	142	1271	1229	87	106	363
Enter Blocked Intersection	No	No	No	No	No	No
Lane Alignment	Left	Left	Left	Right	Left	Right
Median Width(ft)		24	24		12	
Link Offset(ft)		0	0		0	
Crosswalk Width(ft)		16	16		16	
Two way Left Turn Lane						
Headway Factor	1.00	1.00	1.00	1.00	1.00	1.00
Turning Speed (mph)	15			9	15	9
Turn Type	Prot	NA	NA	Perm	Prot	Perm
Protected Phases	1	6	2		3	
Permitted Phases				2		3
Detector Phase	1	6	2	2	3	3
Switch Phase						
Minimum Initial (s)	6.0	15.0	15.0	15.0	6.0	6.0
Minimum Split (s)	10.7	21.4	21.4	21.4	11.8	11.8
Total Split (s)	20.0	65.0	45.0	45.0	40.0	40.0
Total Split (%)	19.0%	61.9%	42.9%	42.9%	38.1%	38.1%
Maximum Green (s)	15.3	58.6	38.6	38.6	34.2	34.2
Yellow Time (s)	3.2	5.0	5.0	5.0	3.2	3.2
All-Red Time (s)	1.5	1.4	1.4	1.4	2.6	2.6
Lost Time Adjust (s)	0.0	0.0	0.0	0.0	0.0	0.0
Total Lost Time (s)	4.7	6.4	6.4	6.4	5.8	5.8
Lead/Lag	Lead		Lag	Lag		
Lead-Lag Optimize?	Yes		Yes	Yes		
Vehicle Extension (s)	3.0	3.0	3.0	3.0	3.0	3.0
Recall Mode	None	Min	Min	Min	None	None

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

Lane Group	EBL	EBT	WBT	WBR	SBL	SBR
Walk Time (s)			7.0	7.0		
Flash Dont Walk (s)			15.0	15.0		
Pedestrian Calls (#/hr)			0	0		
Act Effct Green (s)	8.5	46.9	33.6	33.6	10.0	10.0
Actuated g/C Ratio	0.12	0.68	0.48	0.48	0.14	0.14
v/c Ratio	0.33	0.54	0.73	0.11	0.42	0.52
Control Delay (s/veh)	32.1	6.9	17.7	5.9	34.4	6.5
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay (s/veh)	32.1	6.9	17.7	5.9	34.4	6.5
LOS	C	A	B	A	C	A
Approach Delay (s/veh)		9.5	17.0		12.8	
Approach LOS		A	B		B	
Queue Length 50th (ft)	29	118	204	7	43	0
Queue Length 95th (ft)	56	180	296	29	86	28
Internal Link Dist (ft)		484	506		530	
Turn Bay Length (ft)	205			150		210
Base Capacity (vph)	778	2912	1965	892	862	1526
Starvation Cap Reductn	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0
Reduced v/c Ratio	0.18	0.44	0.63	0.10	0.12	0.24

Intersection Summary			
Area Type:	Other		
Cycle Length: 105			
Actuated Cycle Length: 69.4			
Natural Cycle: 60			
Control Type: Actuated-Uncoordinated			
Maximum v/c Ratio: 0.73			
Intersection Signal Delay (s/veh): 13.1		Intersection LOS: B	
Intersection Capacity Utilization 52.6%		ICU Level of Service A	
Analysis Period (min) 15			

Splits and Phases: 6: N French Rd & Crosspoint Pkwy



Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)



Lane Group	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Traffic Volume (vph)	2	13	8	190	394	3
Future Volume (vph)	2	13	8	190	394	3
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Lane Util. Factor	1.00	1.00	0.95	0.95	0.95	0.95
Frt	0.882				0.999	
Flt Protected	0.994			0.998		
Satd. Flow (prot)	1666	0	0	3407	3251	0
Flt Permitted	0.994			0.998		
Satd. Flow (perm)	1666	0	0	3407	3251	0
Link Speed (mph)	30			30	30	
Link Distance (ft)	544			610	380	
Travel Time (s)	12.4			13.9	8.6	
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92
Heavy Vehicles (%)	0%	0%	0%	6%	11%	0%
Adj. Flow (vph)	2	14	9	207	428	3
Shared Lane Traffic (%)						
Lane Group Flow (vph)	16	0	0	216	431	0
Enter Blocked Intersection	No	No	No	No	No	No
Lane Alignment	Left	Right	Left	Left	Left	Right
Median Width(ft)	12			0	0	
Link Offset(ft)	0			0	0	
Crosswalk Width(ft)	16			16	16	
Two way Left Turn Lane						
Headway Factor	1.00	1.00	1.00	1.00	1.00	1.00
Turning Speed (mph)	15	9	15			9
Sign Control	Stop			Free	Free	

Intersection Summary			
Area Type:	Other		
Control Type: Unsignalized			
Intersection Capacity Utilization 21.1%		ICU Level of Service A	
Analysis Period (min) 15			

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

Intersection	
Int Delay, s/veh	0.4

Movement	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Traffic Vol, veh/h	2	13	8	190	394	3
Future Vol, veh/h	2	13	8	190	394	3
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	-	-	-	-	-
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	0	0	0	6	11	0
Mvmt Flow	2	14	9	207	428	3

Major/Minor	Minor2		Major1		Major2	
Conflicting Flow All	551	216	432	0	-	0
Stage 1	430	-	-	-	-	-
Stage 2	121	-	-	-	-	-
Critical Hdwy	6.8	6.9	4.1	-	-	-
Critical Hdwy Stg 1	5.8	-	-	-	-	-
Critical Hdwy Stg 2	5.8	-	-	-	-	-
Follow-up Hdwy	3.5	3.3	2.2	-	-	-
Pot Cap-1 Maneuver	470	795	1139	-	-	-
Stage 1	630	-	-	-	-	-
Stage 2	898	-	-	-	-	-
Platoon blocked, %				-	-	-
Mov Cap-1 Maneuver	466	795	1139	-	-	-
Mov Cap-2 Maneuver	466	-	-	-	-	-
Stage 1	624	-	-	-	-	-
Stage 2	898	-	-	-	-	-

Approach	EB	NB	SB
HCM Control Delay, s/v	10.07	0.39	0
HCM LOS	B		

Minor Lane/Major Mvmt	NBL	NBT	EBLn1	SBT	SBR
Capacity (veh/h)	145	-	727	-	-
HCM Lane V/C Ratio	0.008	-	0.022	-	-
HCM Control Delay (s/veh)	8.2	0.1	10.1	-	-
HCM Lane LOS	A	A	B	-	-
HCM 95th %tile Q(veh)	0	-	0.1	-	-

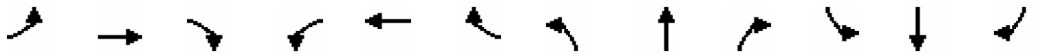
Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

APPENDIX F: LOS CALCULATIONS – FULL BUILD CONDITIONS WITH MITIGATION

Lanes, Volumes, Timings
1: I-990 SB Ramps & N French Rd

2027 Full-Build AM RIRO MIT
08/27/2024



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (vph)	0	721	428	464	540	0	0	0	0	1	0	55
Future Volume (vph)	0	721	428	464	540	0	0	0	0	1	0	55
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Storage Length (ft)	0		300	0		0	0		0	0		0
Storage Lanes	0		1	2		0	0		0	0		0
Taper Length (ft)	25			25			25			25		
Lane Util. Factor	1.00	0.95	1.00	0.97	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Frt			0.850								0.867	
Flt Protected				0.950							0.999	
Satd. Flow (prot)	0	3471	1495	3400	1712	0	0	0	0	0	1554	0
Flt Permitted				0.950							0.999	
Satd. Flow (perm)	0	3471	1495	3400	1712	0	0	0	0	0	1554	0
Right Turn on Red			Yes			Yes			Yes			Yes
Satd. Flow (RTOR)			266								147	
Link Speed (mph)		45			45			30			30	
Link Distance (ft)		612			440			428			410	
Travel Time (s)		9.3			6.7			9.7			9.3	
Peak Hour Factor	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
Heavy Vehicles (%)	0%	4%	8%	3%	11%	0%	0%	0%	0%	0%	0%	6%
Adj. Flow (vph)	0	767	455	494	574	0	0	0	0	1	0	59
Shared Lane Traffic (%)												
Lane Group Flow (vph)	0	767	455	494	574	0	0	0	0	0	60	0
Enter Blocked Intersection	No	No	No	No	No	No	No	No	No	No	No	No
Lane Alignment	Left	Left	Right	Left	Left	Right	Left	Left	Right	Left	Left	Right
Median Width(ft)		24			24			0			0	
Link Offset(ft)		0			0			0			0	
Crosswalk Width(ft)		16			16			16			16	
Two way Left Turn Lane												
Headway Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Turning Speed (mph)	15		9	15		9	15		9	15		9
Turn Type		NA	Perm	Prot	NA					Perm	NA	
Protected Phases		2 3 7		1	1 2 3 7						4	
Permitted Phases			2 3 7							4		
Detector Phase		2 3 7	2 3 7	1	1 2 3 7					4	4	
Switch Phase												
Minimum Initial (s)				10.0						6.0	6.0	
Minimum Split (s)				15.7						12.2	12.2	
Total Split (s)				40.0						15.0	15.0	
Total Split (%)				25.8%						9.7%	9.7%	
Maximum Green (s)				34.3						8.8	8.8	
Yellow Time (s)				4.3						3.6	3.6	
All-Red Time (s)				1.4						2.6	2.6	
Lost Time Adjust (s)				0.0							0.0	
Total Lost Time (s)				5.7							6.2	
Lead/Lag				Lead						Lag	Lag	
Lead-Lag Optimize?				Yes						Yes	Yes	
Vehicle Extension (s)				3.0						3.0	3.0	
Recall Mode				None						None	None	

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

Lane Group	Ø2	Ø3	Ø7
Lane Configurations			
Traffic Volume (vph)			
Future Volume (vph)			
Ideal Flow (vphpl)			
Storage Length (ft)			
Storage Lanes			
Taper Length (ft)			
Lane Util. Factor			
Frt			
Flt Protected			
Satd. Flow (prot)			
Flt Permitted			
Satd. Flow (perm)			
Right Turn on Red			
Satd. Flow (RTOR)			
Link Speed (mph)			
Link Distance (ft)			
Travel Time (s)			
Peak Hour Factor			
Heavy Vehicles (%)			
Adj. Flow (vph)			
Shared Lane Traffic (%)			
Lane Group Flow (vph)			
Enter Blocked Intersection			
Lane Alignment			
Median Width(ft)			
Link Offset(ft)			
Crosswalk Width(ft)			
Two way Left Turn Lane			
Headway Factor			
Turning Speed (mph)			
Turn Type			
Protected Phases	2	3	7
Permitted Phases			
Detector Phase			
Switch Phase			
Minimum Initial (s)	20.0	6.0	10.0
Minimum Split (s)	45.3	12.2	15.7
Total Split (s)	37.0	48.0	15.0
Total Split (%)	24%	31%	10%
Maximum Green (s)	30.7	41.8	9.3
Yellow Time (s)	4.3	3.6	4.3
All-Red Time (s)	2.0	2.6	1.4
Lost Time Adjust (s)			
Total Lost Time (s)			
Lead/Lag	Lag	Lead	
Lead-Lag Optimize?	Yes	Yes	
Vehicle Extension (s)	2.0	4.0	5.0
Recall Mode	Min	None	None

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

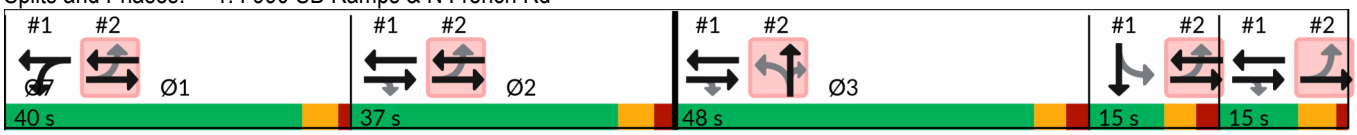
Lanes, Volumes, Timings
1: I-990 SB Ramps & N French Rd

2027 Full-Build AM RIRO MIT
08/27/2024

Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Walk Time (s)												
Flash Dont Walk (s)												
Pedestrian Calls (#/hr)												
Act Effct Green (s)		84.3	84.3	33.3	130.2						8.8	
Actuated g/C Ratio		0.56	0.56	0.22	0.86						0.06	
v/c Ratio		0.39	0.47	0.65	0.38						0.26	
Control Delay (s/veh)		11.3	6.0	49.1	4.6						2.7	
Queue Delay		0.0	0.0	0.4	0.2						0.0	
Total Delay (s/veh)		11.3	6.0	49.5	4.8						2.7	
LOS		B	A	D	A						A	
Approach Delay (s/veh)		9.4			25.5						2.8	
Approach LOS		A			C						A	
Queue Length 50th (ft)		145	61	244	179						0	
Queue Length 95th (ft)		176	115	307	179						0	
Internal Link Dist (ft)		532			360			348			330	
Turn Bay Length (ft)			300									
Base Capacity (vph)		1943	953	774	1478						228	
Starvation Cap Reductn		0	0	55	299						0	
Spillback Cap Reductn		0	0	0	0						0	
Storage Cap Reductn		0	0	0	0						0	
Reduced v/c Ratio		0.39	0.48	0.69	0.49						0.26	

Intersection Summary			
Area Type:	Other		
Cycle Length: 155			
Actuated Cycle Length: 151			
Natural Cycle: 115			
Control Type: Actuated-Uncoordinated			
Maximum v/c Ratio: 0.66			
Intersection Signal Delay (s/veh): 16.5		Intersection LOS: B	
Intersection Capacity Utilization 59.9%		ICU Level of Service B	
Analysis Period (min) 15			

Splits and Phases: 1: I-990 SB Ramps & N French Rd



Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

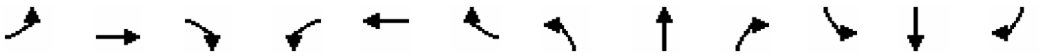
Lane Group	Ø2	Ø3	Ø7
Walk Time (s)	7.0	7.0	
Flash Dont Walk (s)	32.0	32.0	
Pedestrian Calls (#/hr)	0	0	
Act Effct Green (s)			
Actuated g/C Ratio			
v/c Ratio			
Control Delay (s/veh)			
Queue Delay			
Total Delay (s/veh)			
LOS			
Approach Delay (s/veh)			
Approach LOS			
Queue Length 50th (ft)			
Queue Length 95th (ft)			
Internal Link Dist (ft)			
Turn Bay Length (ft)			
Base Capacity (vph)			
Starvation Cap Reductn			
Spillback Cap Reductn			
Storage Cap Reductn			
Reduced v/c Ratio			

Intersection Summary

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

Lanes, Volumes, Timings
2: I-990 NB Ramps & N French Rd

2027 Full-Build AM RIRO MIT
08/27/2024



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (vph)	53	669	0	0	837	0	168	1	730	0	0	0
Future Volume (vph)	53	669	0	0	837	0	168	1	730	0	0	0
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Storage Length (ft)	0		0	250		0	0		0	0		0
Storage Lanes	0		0	1		0	1		1	0		0
Taper Length (ft)	25			25			25			25		
Lane Util. Factor	0.95	0.95	1.00	1.00	0.91	0.91	1.00	0.95	0.95	1.00	1.00	1.00
Frt								0.850	0.850			
Flt Protected		0.996					0.950					
Satd. Flow (prot)	0	3457	0	0	5036	0	1543	1475	1475	0	0	0
Flt Permitted		0.788					0.950					
Satd. Flow (perm)	0	2735	0	0	5036	0	1543	1475	1475	0	0	0
Right Turn on Red			Yes			Yes			Yes			Yes
Satd. Flow (RTOR)								264	264			
Link Speed (mph)		45			45			30			30	
Link Distance (ft)		440			356			515			456	
Travel Time (s)		6.7			5.4			11.7			10.4	
Peak Hour Factor	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
Heavy Vehicles (%)	4%	4%	0%	0%	3%	0%	17%	0%	4%	0%	0%	0%
Adj. Flow (vph)	56	712	0	0	890	0	179	1	777	0	0	0
Shared Lane Traffic (%)									50%			
Lane Group Flow (vph)	0	768	0	0	890	0	179	390	388	0	0	0
Enter Blocked Intersection	No	No	No	No	No	No	No	No	No	No	No	No
Lane Alignment	Left	Left	Right	Left	Left	Right	Left	Left	Right	Left	Left	Right
Median Width(ft)		0			0			12			12	
Link Offset(ft)		0			0			0			0	
Crosswalk Width(ft)		16			16			16			16	
Two way Left Turn Lane												
Headway Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Turning Speed (mph)	15		9	15		9	15		9	15		9
Turn Type	Perm	NA			NA		Perm	NA	Perm			
Protected Phases		1 2 4 7			1 2 4			3				
Permitted Phases	1 2 4 7						3		3			
Detector Phase	1 2 4 7	1 2 4 7			1 2 4		3	3	3			
Switch Phase												
Minimum Initial (s)							6.0	6.0	6.0			
Minimum Split (s)							12.2	12.2	12.2			
Total Split (s)							48.0	48.0	48.0			
Total Split (%)							31.0%	31.0%	31.0%			
Maximum Green (s)							41.8	41.8	41.8			
Yellow Time (s)							3.6	3.6	3.6			
All-Red Time (s)							2.6	2.6	2.6			
Lost Time Adjust (s)							0.0	0.0	0.0			
Total Lost Time (s)							6.2	6.2	6.2			
Lead/Lag							Lead	Lead	Lead			
Lead-Lag Optimize?							Yes	Yes	Yes			
Vehicle Extension (s)							4.0	4.0	4.0			
Recall Mode							None	None	None			

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

Lane Group	Ø1	Ø2	Ø4	Ø7
Lane Configurations				
Traffic Volume (vph)				
Future Volume (vph)				
Ideal Flow (vphpl)				
Storage Length (ft)				
Storage Lanes				
Taper Length (ft)				
Lane Util. Factor				
Frt				
Flt Protected				
Satd. Flow (prot)				
Flt Permitted				
Satd. Flow (perm)				
Right Turn on Red				
Satd. Flow (RTOR)				
Link Speed (mph)				
Link Distance (ft)				
Travel Time (s)				
Peak Hour Factor				
Heavy Vehicles (%)				
Adj. Flow (vph)				
Shared Lane Traffic (%)				
Lane Group Flow (vph)				
Enter Blocked Intersection				
Lane Alignment				
Median Width(ft)				
Link Offset(ft)				
Crosswalk Width(ft)				
Two way Left Turn Lane				
Headway Factor				
Turning Speed (mph)				
Turn Type				
Protected Phases	1	2	4	7
Permitted Phases				
Detector Phase				
Switch Phase				
Minimum Initial (s)	10.0	20.0	6.0	10.0
Minimum Split (s)	15.7	45.3	12.2	15.7
Total Split (s)	40.0	37.0	15.0	15.0
Total Split (%)	26%	24%	10%	10%
Maximum Green (s)	34.3	30.7	8.8	9.3
Yellow Time (s)	4.3	4.3	3.6	4.3
All-Red Time (s)	1.4	2.0	2.6	1.4
Lost Time Adjust (s)				
Total Lost Time (s)				
Lead/Lag	Lead	Lag	Lag	
Lead-Lag Optimize?	Yes	Yes	Yes	
Vehicle Extension (s)	3.0	2.0	3.0	5.0
Recall Mode	None	Min	None	None

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

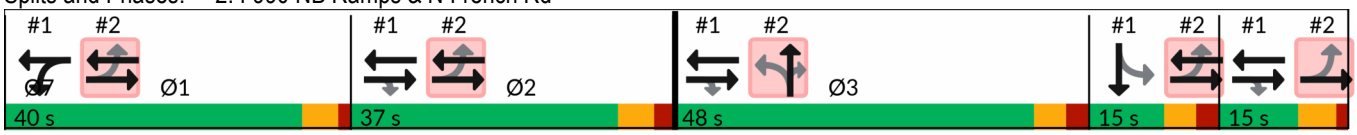
Lanes, Volumes, Timings
2: I-990 NB Ramps & N French Rd

2027 Full-Build AM RIRO MIT
08/27/2024

Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Walk Time (s)							7.0	7.0	7.0			
Flash Dont Walk (s)							32.0	32.0	32.0			
Pedestrian Calls (#/hr)							0	0	0			
Act Effct Green (s)		98.3			77.6		40.7	40.7	40.7			
Actuated g/C Ratio		0.65			0.51		0.27	0.27	0.27			
v/c Ratio		0.43			0.34		0.43	0.66	0.65			
Control Delay (s/veh)		13.5			15.1		50.0	21.4	21.2			
Queue Delay		0.8			0.0		0.0	0.0	0.0			
Total Delay (s/veh)		14.4			15.1		50.0	21.4	21.2			
LOS		B			B		D	C	C			
Approach Delay (s/veh)		14.4			15.1			26.7				
Approach LOS		B			B			C				
Queue Length 50th (ft)		152			131		151	118	116			
Queue Length 95th (ft)		176			154		230	250	248			
Internal Link Dist (ft)		360			276			435			376	
Turn Bay Length (ft)												
Base Capacity (vph)		1817			2653		428	600	600			
Starvation Cap Reductn		704			0		0	0	0			
Spillback Cap Reductn		0			0		0	0	0			
Storage Cap Reductn		0			0		0	0	0			
Reduced v/c Ratio		0.69			0.34		0.42	0.65	0.65			

Intersection Summary			
Area Type:	Other		
Cycle Length: 155			
Actuated Cycle Length: 151			
Natural Cycle: 115			
Control Type: Actuated-Uncoordinated			
Maximum v/c Ratio: 0.66			
Intersection Signal Delay (s/veh): 19.2		Intersection LOS: B	
Intersection Capacity Utilization 66.0%		ICU Level of Service C	
Analysis Period (min) 15			

Splits and Phases: 2: I-990 NB Ramps & N French Rd

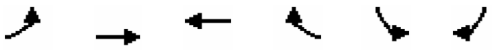


Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

Lane Group	Ø1	Ø2	Ø4	Ø7
Walk Time (s)		7.0		
Flash Dont Walk (s)		32.0		
Pedestrian Calls (#/hr)		0		
Act Effct Green (s)				
Actuated g/C Ratio				
v/c Ratio				
Control Delay (s/veh)				
Queue Delay				
Total Delay (s/veh)				
LOS				
Approach Delay (s/veh)				
Approach LOS				
Queue Length 50th (ft)				
Queue Length 95th (ft)				
Internal Link Dist (ft)				
Turn Bay Length (ft)				
Base Capacity (vph)				
Starvation Cap Reductn				
Spillback Cap Reductn				
Storage Cap Reductn				
Reduced v/c Ratio				

Intersection Summary

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)



Lane Group	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Volume (vph)	0	1399	807	1	0	30
Future Volume (vph)	0	1399	807	1	0	30
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Lane Util. Factor	1.00	0.95	0.95	0.95	1.00	1.00
Frt						0.865
Flt Protected						
Satd. Flow (prot)	0	3343	3505	0	0	1644
Flt Permitted						
Satd. Flow (perm)	0	3343	3505	0	0	1644
Link Speed (mph)		45	45		30	
Link Distance (ft)		356	974		610	
Travel Time (s)		7.3	12.9		13.9	
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92
Heavy Vehicles (%)	0%	8%	3%	0%	0%	0%
Adj. Flow (vph)	0	1521	877	1	0	33
Shared Lane Traffic (%)						
Lane Group Flow (vph)	0	1521	878	0	0	33
Enter Blocked Intersection	No	No	No	No	No	No
Lane Alignment	Left	Left	Left	Right	Left	Right
Median Width(ft)		12	12		12	
Link Offset(ft)		0	0		0	
Crosswalk Width(ft)		16	16		16	
Two way Left Turn Lane						
Headway Factor	1.00	1.00	1.00	1.00	1.00	1.00
Turning Speed (mph)	15			9	15	9
Sign Control		Free	Free		Stop	

Intersection Summary			
Area Type:	Other		
Control Type: Unsignalized			
Intersection Capacity Utilization	42.0%	ICU Level of Service	A
Analysis Period (min)	15		

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

Intersection	
Int Delay, s/veh	0.2

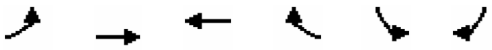
Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Vol, veh/h	0	1399	807	1	0	30
Future Vol, veh/h	0	1399	807	1	0	30
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	0	-
Veh in Median Storage, #	-	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	0	8	3	0	0	0
Mvmt Flow	0	1521	877	1	0	33

Major/Minor	Major1		Major2		Minor2	
Conflicting Flow All	-	0	-	0	-	439
Stage 1	-	-	-	-	-	-
Stage 2	-	-	-	-	-	-
Critical Hdwy	-	-	-	-	-	6.9
Critical Hdwy Stg 1	-	-	-	-	-	-
Critical Hdwy Stg 2	-	-	-	-	-	-
Follow-up Hdwy	-	-	-	-	-	3.3
Pot Cap-1 Maneuver	0	-	-	-	0	571
Stage 1	0	-	-	-	0	-
Stage 2	0	-	-	-	0	-
Platoon blocked, %		-	-	-		
Mov Cap-1 Maneuver	-	-	-	-	-	571
Mov Cap-2 Maneuver	-	-	-	-	-	-
Stage 1	-	-	-	-	-	-
Stage 2	-	-	-	-	-	-

Approach	EB	WB	SB
HCM Control Delay, s/v	0	0	11.68
HCM LOS			B

Minor Lane/Major Mvmt	EBT	WBT	WBR	SBLn1
Capacity (veh/h)	-	-	-	571
HCM Lane V/C Ratio	-	-	-	0.057
HCM Control Delay (s/veh)	-	-	-	11.7
HCM Lane LOS	-	-	-	B
HCM 95th %tile Q(veh)	-	-	-	0.2

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)



Lane Group	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Volume (vph)	14	1385	796	7	25	12
Future Volume (vph)	14	1385	796	7	25	12
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Storage Length (ft)	150			0	0	0
Storage Lanes	1			0	1	0
Taper Length (ft)	25				25	
Lane Util. Factor	1.00	0.95	0.95	0.95	1.00	1.00
Frt			0.999			0.850
Flt Protected	0.950				0.950	
Satd. Flow (prot)	1805	3343	3502	0	1805	1615
Flt Permitted	0.950				0.950	
Satd. Flow (perm)	1805	3343	3502	0	1805	1615
Link Speed (mph)		45	45		30	
Link Distance (ft)		974	336		642	
Travel Time (s)		12.9	5.1		14.6	
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92
Heavy Vehicles (%)	0%	8%	3%	0%	0%	0%
Adj. Flow (vph)	15	1505	865	8	27	13
Shared Lane Traffic (%)						
Lane Group Flow (vph)	15	1505	873	0	27	13
Enter Blocked Intersection	No	No	No	No	No	No
Lane Alignment	Left	Left	Left	Right	Left	Right
Median Width(ft)		0	0		12	
Link Offset(ft)		0	0		0	
Crosswalk Width(ft)		16	16		16	
Two way Left Turn Lane			Yes			
Headway Factor	1.00	1.00	1.00	1.00	1.00	1.00
Turning Speed (mph)	15			9	15	9
Sign Control		Free	Free		Stop	

Intersection Summary			
Area Type:	Other		
Control Type: Unsignalized			
Intersection Capacity Utilization	48.3%	ICU Level of Service	A
Analysis Period (min)	15		

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

Intersection	
Int Delay, s/veh	0.4

Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Vol, veh/h	14	1385	796	7	25	12
Future Vol, veh/h	14	1385	796	7	25	12
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	150	-	-	-	0	-
Veh in Median Storage, #	-	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	0	8	3	0	0	0
Mvmt Flow	15	1505	865	8	27	13

Major/Minor	Major1		Major2		Minor2	
Conflicting Flow All	873	0	-	0	1652	436
Stage 1	-	-	-	-	869	-
Stage 2	-	-	-	-	783	-
Critical Hdwy	4.1	-	-	-	6.8	6.9
Critical Hdwy Stg 1	-	-	-	-	5.8	-
Critical Hdwy Stg 2	-	-	-	-	5.8	-
Follow-up Hdwy	2.2	-	-	-	3.5	3.3
Pot Cap-1 Maneuver	781	-	-	-	91	573
Stage 1	-	-	-	-	376	-
Stage 2	-	-	-	-	416	-
Platoon blocked, %		-	-	-		
Mov Cap-1 Maneuver	781	-	-	-	89	573
Mov Cap-2 Maneuver	-	-	-	-	219	-
Stage 1	-	-	-	-	368	-
Stage 2	-	-	-	-	416	-

Approach	EB	WB	SB
HCM Control Delay, s/v	0.1	0	19.76
HCM LOS			C

Minor Lane/Major Mvmt	EBL	EBT	WBT	WBR	SBLn1	SBLn2
Capacity (veh/h)	781	-	-	-	219	573
HCM Lane V/C Ratio	0.019	-	-	-	0.124	0.023
HCM Control Delay (s/veh)	9.7	-	-	-	23.8	11.4
HCM Lane LOS	A	-	-	-	C	B
HCM 95th %tile Q(veh)	0.1	-	-	-	0.4	0.1

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)



Lane Group	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Traffic Volume (vph)	1393	17	3	785	18	3
Future Volume (vph)	1393	17	3	785	18	3
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Lane Util. Factor	0.95	0.95	0.95	0.95	1.00	1.00
Frt	0.998				0.982	
Flt Protected					0.958	
Satd. Flow (prot)	3530	0	0	3505	1699	0
Flt Permitted					0.958	
Satd. Flow (perm)	3530	0	0	3505	1699	0
Link Speed (mph)	45			45	35	
Link Distance (ft)	336			564	623	
Travel Time (s)	25.2			8.5	12.1	
Peak Hour Factor	0.90	0.90	0.90	0.90	0.90	0.90
Heavy Vehicles (%)	2%	6%	0%	3%	6%	0%
Adj. Flow (vph)	1548	19	3	872	20	3
Shared Lane Traffic (%)						
Lane Group Flow (vph)	1567	0	0	875	23	0
Enter Blocked Intersection	No	No	No	No	No	No
Lane Alignment	Left	Right	Left	Left	Left	Right
Median Width(ft)	24			24	12	
Link Offset(ft)	0			0	0	
Crosswalk Width(ft)	16			16	16	
Two way Left Turn Lane	Yes					
Headway Factor	1.00	1.00	1.00	1.00	1.00	1.00
Turning Speed (mph)		9	15		15	9
Sign Control	Free			Free	Stop	

Intersection Summary			
Area Type:	Other		
Control Type: Unsignalized			
Intersection Capacity Utilization 49.0%		ICU Level of Service A	
Analysis Period (min) 15			

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

Intersection	
Int Delay, s/veh	0.4

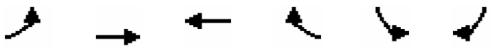
Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Traffic Vol, veh/h	1393	17	3	785	18	3
Future Vol, veh/h	1393	17	3	785	18	3
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	0	-
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	90	90	90	90	90	90
Heavy Vehicles, %	2	6	0	3	6	0
Mvmt Flow	1548	19	3	872	20	3

Major/Minor	Major1		Major2		Minor1	
Conflicting Flow All	0	0	1567	0	2000	783
Stage 1	-	-	-	-	1557	-
Stage 2	-	-	-	-	443	-
Critical Hdwy	-	-	4.1	-	6.92	6.9
Critical Hdwy Stg 1	-	-	-	-	5.92	-
Critical Hdwy Stg 2	-	-	-	-	5.92	-
Follow-up Hdwy	-	-	2.2	-	3.56	3.3
Pot Cap-1 Maneuver	-	-	427	-	50	341
Stage 1	-	-	-	-	153	-
Stage 2	-	-	-	-	603	-
Platoon blocked, %	-	-		-		
Mov Cap-1 Maneuver	-	-	427	-	49	341
Mov Cap-2 Maneuver	-	-	-	-	125	-
Stage 1	-	-	-	-	153	-
Stage 2	-	-	-	-	597	-

Approach	EB	WB	NB
HCM Control Delay, s/v	0	0.19	36.59
HCM LOS			E

Minor Lane/Major Mvmt	NBLn1	EBT	EBR	WBL	WBT
Capacity (veh/h)	137	-	-	14	-
HCM Lane V/C Ratio	0.17	-	-	0.008	-
HCM Control Delay (s/veh)	36.6	-	-	13.5	0.1
HCM Lane LOS	E	-	-	B	A
HCM 95th %tile Q(veh)	0.6	-	-	0	-

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)



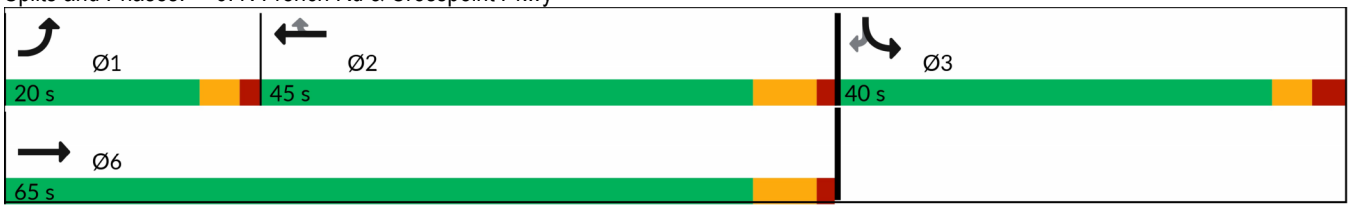
Lane Group	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Volume (vph)	382	1014	700	95	47	88
Future Volume (vph)	382	1014	700	95	47	88
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Storage Length (ft)	205			150	0	210
Storage Lanes	2			1	1	1
Taper Length (ft)	25				25	
Lane Util. Factor	0.97	0.95	0.95	1.00	1.00	0.88
Frt				0.850		0.850
Flt Protected	0.950				0.950	
Satd. Flow (prot)	3467	3438	3471	1538	1719	2682
Flt Permitted	0.950				0.950	
Satd. Flow (perm)	3467	3438	3471	1538	1719	2682
Right Turn on Red				Yes		Yes
Satd. Flow (RTOR)				98		105
Link Speed (mph)		45	45		30	
Link Distance (ft)		564	586		610	
Travel Time (s)		8.5	8.9		13.9	
Peak Hour Factor	0.84	0.84	0.84	0.84	0.84	0.84
Heavy Vehicles (%)	1%	5%	4%	5%	5%	6%
Adj. Flow (vph)	455	1207	833	113	56	105
Shared Lane Traffic (%)						
Lane Group Flow (vph)	455	1207	833	113	56	105
Enter Blocked Intersection	No	No	No	No	No	No
Lane Alignment	Left	Left	Left	Right	Left	Right
Median Width(ft)		24	24		12	
Link Offset(ft)		0	0		0	
Crosswalk Width(ft)		16	16		16	
Two way Left Turn Lane						
Headway Factor	1.00	1.00	1.00	1.00	1.00	1.00
Turning Speed (mph)	15			9	15	9
Turn Type	Prot	NA	NA	Perm	Prot	Perm
Protected Phases	1	6	2		3	
Permitted Phases				2		3
Detector Phase	1	6	2	2	3	3
Switch Phase						
Minimum Initial (s)	6.0	15.0	15.0	15.0	6.0	6.0
Minimum Split (s)	10.7	21.4	21.4	21.4	11.8	11.8
Total Split (s)	20.0	65.0	45.0	45.0	40.0	40.0
Total Split (%)	19.0%	61.9%	42.9%	42.9%	38.1%	38.1%
Maximum Green (s)	15.3	58.6	38.6	38.6	34.2	34.2
Yellow Time (s)	3.2	5.0	5.0	5.0	3.2	3.2
All-Red Time (s)	1.5	1.4	1.4	1.4	2.6	2.6
Lost Time Adjust (s)	0.0	0.0	0.0	0.0	0.0	0.0
Total Lost Time (s)	4.7	6.4	6.4	6.4	5.8	5.8
Lead/Lag	Lead		Lag	Lag		
Lead-Lag Optimize?	Yes		Yes	Yes		
Vehicle Extension (s)	3.0	3.0	3.0	3.0	3.0	3.0
Recall Mode	None	Min	Min	Min	None	None

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

Lane Group	EBL	EBT	WBT	WBR	SBL	SBR
Walk Time (s)			7.0	7.0		
Flash Dont Walk (s)			15.0	15.0		
Pedestrian Calls (#/hr)			0	0		
Act Effct Green (s)	14.1	42.3	21.2	21.2	8.0	8.0
Actuated g/C Ratio	0.25	0.74	0.37	0.37	0.14	0.14
v/c Ratio	0.53	0.47	0.64	0.17	0.23	0.22
Control Delay (s/veh)	23.5	5.4	18.8	5.2	28.0	7.9
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay (s/veh)	23.5	5.4	18.8	5.2	28.0	7.9
LOS	C	A	B	A	C	A
Approach Delay (s/veh)		10.4	17.3		15.0	
Approach LOS		B	B		B	
Queue Length 50th (ft)	74	94	135	4	19	0
Queue Length 95th (ft)	126	136	184	28	49	18
Internal Link Dist (ft)		484	506		530	
Turn Bay Length (ft)	205			150		210
Base Capacity (vph)	975	3233	2417	1101	1081	1725
Starvation Cap Reductn	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0
Reduced v/c Ratio	0.47	0.37	0.34	0.10	0.05	0.06

Intersection Summary			
Area Type:	Other		
Cycle Length: 105			
Actuated Cycle Length: 57.4			
Natural Cycle: 55			
Control Type: Actuated-Uncoordinated			
Maximum v/c Ratio: 0.65			
Intersection Signal Delay (s/veh): 13.0		Intersection LOS: B	
Intersection Capacity Utilization 49.3%		ICU Level of Service A	
Analysis Period (min) 15			

Splits and Phases: 6: N French Rd & Crosspoint Pkwy



Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)



Lane Group	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Traffic Volume (vph)	2	13	3	481	136	1
Future Volume (vph)	2	13	3	481	136	1
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Lane Util. Factor	1.00	1.00	0.95	0.95	0.95	0.95
Frt	0.882				0.999	
Flt Protected	0.994					
Satd. Flow (prot)	1633	0	0	3539	3536	0
Flt Permitted	0.994					
Satd. Flow (perm)	1633	0	0	3539	3536	0
Link Speed (mph)	30			30	30	
Link Distance (ft)	544			610	380	
Travel Time (s)	12.4			13.9	8.6	
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92
Adj. Flow (vph)	2	14	3	523	148	1
Shared Lane Traffic (%)						
Lane Group Flow (vph)	16	0	0	526	149	0
Enter Blocked Intersection	No	No	No	No	No	No
Lane Alignment	Left	Right	Left	Left	Left	Right
Median Width(ft)	12			0	0	
Link Offset(ft)	0			0	0	
Crosswalk Width(ft)	16			16	16	
Two way Left Turn Lane						
Headway Factor	1.00	1.00	1.00	1.00	1.00	1.00
Turning Speed (mph)	15	9	15			9
Sign Control	Stop			Free	Free	

Intersection Summary			
Area Type:	Other		
Control Type: Unsignalized			
Intersection Capacity Utilization 25.4%		ICU Level of Service A	
Analysis Period (min) 15			

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

Intersection	
Int Delay, s/veh	0.3

Movement	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Traffic Vol, veh/h	2	13	3	481	136	1
Future Vol, veh/h	2	13	3	481	136	1
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	-	-	-	-	-
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	2	14	3	523	148	1

Major/Minor	Minor2		Major1		Major2	
Conflicting Flow All	416	74	149	0	-	0
Stage 1	148	-	-	-	-	-
Stage 2	268	-	-	-	-	-
Critical Hdwy	6.84	6.94	4.14	-	-	-
Critical Hdwy Stg 1	5.84	-	-	-	-	-
Critical Hdwy Stg 2	5.84	-	-	-	-	-
Follow-up Hdwy	3.52	3.32	2.22	-	-	-
Pot Cap-1 Maneuver	564	972	1430	-	-	-
Stage 1	864	-	-	-	-	-
Stage 2	753	-	-	-	-	-
Platoon blocked, %				-	-	-
Mov Cap-1 Maneuver	563	972	1430	-	-	-
Mov Cap-2 Maneuver	563	-	-	-	-	-
Stage 1	861	-	-	-	-	-
Stage 2	753	-	-	-	-	-

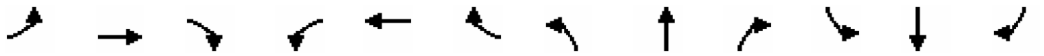
Approach	EB	NB	SB
HCM Control Delay, s/v	9.14	0.07	0
HCM LOS	A		

Minor Lane/Major Mvmt	NBL	NBT	EBLn1	SBT	SBR
Capacity (veh/h)	22	-	886	-	-
HCM Lane V/C Ratio	0.002	-	0.018	-	-
HCM Control Delay (s/veh)	7.5	0	9.1	-	-
HCM Lane LOS	A	A	A	-	-
HCM 95th %tile Q(veh)	0	-	0.1	-	-

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

Lanes, Volumes, Timings
1: I-990 SB Ramps & N French Rd

2027 Full-Build PM RIRO MIT
08/27/2024



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (vph)	0	693	225	660	1041	0	0	0	0	4	0	47
Future Volume (vph)	0	693	225	660	1041	0	0	0	0	4	0	47
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Storage Length (ft)	0		300	0		0	0		0	0		0
Storage Lanes	0		1	2		0	0		0	0		0
Taper Length (ft)	25			25			25			25		
Lane Util. Factor	1.00	0.95	1.00	0.97	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Frt			0.850								0.875	
Flt Protected				0.950							0.996	
Satd. Flow (prot)	0	3471	1495	3400	1712	0	0	0	0	0	1569	0
Flt Permitted				0.950							0.996	
Satd. Flow (perm)	0	3471	1495	3400	1712	0	0	0	0	0	1569	0
Right Turn on Red			Yes			Yes			Yes			Yes
Satd. Flow (RTOR)			234								147	
Link Speed (mph)		45			45			30			30	
Link Distance (ft)		612			440			428			410	
Travel Time (s)		9.3			6.7			9.7			9.3	
Peak Hour Factor	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
Heavy Vehicles (%)	0%	4%	8%	3%	11%	0%	0%	0%	0%	0%	0%	6%
Adj. Flow (vph)	0	737	239	702	1107	0	0	0	0	4	0	50
Shared Lane Traffic (%)												
Lane Group Flow (vph)	0	737	239	702	1107	0	0	0	0	0	54	0
Enter Blocked Intersection	No	No	No	No	No	No	No	No	No	No	No	No
Lane Alignment	Left	Left	Right	Left	Left	Right	Left	Left	Right	Left	Left	Right
Median Width(ft)		24			24			0			0	
Link Offset(ft)		0			0			0			0	
Crosswalk Width(ft)		16			16			16			16	
Two way Left Turn Lane												
Headway Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Turning Speed (mph)	15		9	15		9	15		9	15		9
Turn Type		NA	Perm	Prot	NA					Perm	NA	
Protected Phases		2 3 7		1	1 2 3 7						4	
Permitted Phases			2 3 7							4		
Detector Phase		2 3 7	2 3 7	1	1 2 3 7					4	4	
Switch Phase												
Minimum Initial (s)				10.0						6.0	6.0	
Minimum Split (s)				15.7						12.2	12.2	
Total Split (s)				40.0						15.0	15.0	
Total Split (%)				25.8%						9.7%	9.7%	
Maximum Green (s)				34.3						8.8	8.8	
Yellow Time (s)				4.3						3.6	3.6	
All-Red Time (s)				1.4						2.6	2.6	
Lost Time Adjust (s)				0.0							0.0	
Total Lost Time (s)				5.7							6.2	
Lead/Lag				Lead						Lag	Lag	
Lead-Lag Optimize?				Yes						Yes	Yes	
Vehicle Extension (s)				3.0						3.0	3.0	
Recall Mode				None						None	None	

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

Lane Group	Ø2	Ø3	Ø7
Lane Configurations			
Traffic Volume (vph)			
Future Volume (vph)			
Ideal Flow (vphpl)			
Storage Length (ft)			
Storage Lanes			
Taper Length (ft)			
Lane Util. Factor			
Frt			
Flt Protected			
Satd. Flow (prot)			
Flt Permitted			
Satd. Flow (perm)			
Right Turn on Red			
Satd. Flow (RTOR)			
Link Speed (mph)			
Link Distance (ft)			
Travel Time (s)			
Peak Hour Factor			
Heavy Vehicles (%)			
Adj. Flow (vph)			
Shared Lane Traffic (%)			
Lane Group Flow (vph)			
Enter Blocked Intersection			
Lane Alignment			
Median Width(ft)			
Link Offset(ft)			
Crosswalk Width(ft)			
Two way Left Turn Lane			
Headway Factor			
Turning Speed (mph)			
Turn Type			
Protected Phases	2	3	7
Permitted Phases			
Detector Phase			
Switch Phase			
Minimum Initial (s)	20.0	6.0	10.0
Minimum Split (s)	45.3	12.2	15.7
Total Split (s)	36.0	49.0	15.0
Total Split (%)	23%	32%	10%
Maximum Green (s)	29.7	42.8	9.3
Yellow Time (s)	4.3	3.6	4.3
All-Red Time (s)	2.0	2.6	1.4
Lost Time Adjust (s)			
Total Lost Time (s)			
Lead/Lag	Lag	Lead	
Lead-Lag Optimize?	Yes	Yes	
Vehicle Extension (s)	2.0	4.0	5.0
Recall Mode	Min	None	None

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

Lanes, Volumes, Timings
1: I-990 SB Ramps & N French Rd

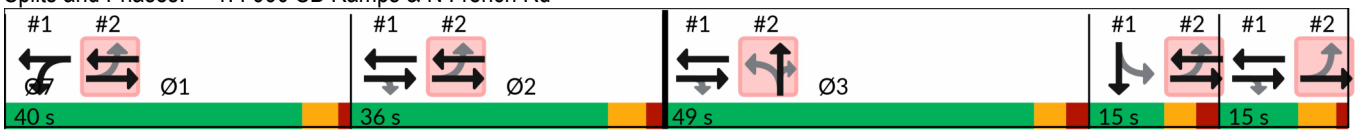
2027 Full-Build PM RIRO MIT
08/27/2024

Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Walk Time (s)												
Flash Dont Walk (s)												
Pedestrian Calls (#/hr)												
Act Effct Green (s)		87.4	87.4	34.3	134.3						8.8	
Actuated g/C Ratio		0.56	0.56	0.22	0.87						0.06	
v/c Ratio		0.37	0.25	0.93	0.74						0.23	
Control Delay (s/veh)		11.2	1.7	61.6	10.4						2.4	
Queue Delay		0.0	0.0	8.3	2.5						0.0	
Total Delay (s/veh)		11.2	1.7	70.0	13.0						2.4	
LOS		B	A	E	B						A	
Approach Delay (s/veh)		8.9			35.1						2.5	
Approach LOS		A			D						A	
Queue Length 50th (ft)		137	1	336	328						0	
Queue Length 95th (ft)		167	27	m#458	467						0	
Internal Link Dist (ft)		532			360			348			330	
Turn Bay Length (ft)			300									
Base Capacity (vph)		1957	945	752	1483						227	
Starvation Cap Reductn		0	0	43	251						0	
Spillback Cap Reductn		0	0	0	0						0	
Storage Cap Reductn		0	0	0	0						0	
Reduced v/c Ratio		0.38	0.25	0.99	0.90						0.24	

Intersection Summary			
Area Type:	Other		
Cycle Length: 155			
Actuated Cycle Length: 155			
Natural Cycle: 145			
Control Type: Actuated-Uncoordinated			
Maximum v/c Ratio: 0.93			
Intersection Signal Delay (s/veh): 25.5		Intersection LOS: C	
Intersection Capacity Utilization 69.7%		ICU Level of Service C	
Analysis Period (min) 15			

\# 95th percentile volume exceeds capacity, queue may be longer.
Queue shown is maximum after two cycles.
m Volume for 95th percentile queue is metered by upstream signal.

Splits and Phases: 1: I-990 SB Ramps & N French Rd



Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

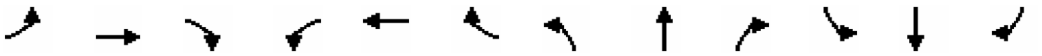
Lane Group	Ø2	Ø3	Ø7
Walk Time (s)	7.0	7.0	
Flash Dont Walk (s)	32.0	32.0	
Pedestrian Calls (#/hr)	0	0	
Act Effct Green (s)			
Actuated g/C Ratio			
v/c Ratio			
Control Delay (s/veh)			
Queue Delay			
Total Delay (s/veh)			
LOS			
Approach Delay (s/veh)			
Approach LOS			
Queue Length 50th (ft)			
Queue Length 95th (ft)			
Internal Link Dist (ft)			
Turn Bay Length (ft)			
Base Capacity (vph)			
Starvation Cap Reductn			
Spillback Cap Reductn			
Storage Cap Reductn			
Reduced v/c Ratio			

Intersection Summary

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

Lanes, Volumes, Timings
2: I-990 NB Ramps & N French Rd

2027 Full-Build PM RIRO MIT
08/27/2024



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (vph)	48	650	0	0	1345	0	354	1	596	0	0	0
Future Volume (vph)	48	650	0	0	1345	0	354	1	596	0	0	0
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Storage Length (ft)	0		0	250		0	0		0	0		0
Storage Lanes	0		0	1		0	1		1	0		0
Taper Length (ft)	25			25			25			25		
Lane Util. Factor	0.95	0.95	1.00	1.00	0.91	0.91	1.00	0.95	0.95	1.00	1.00	1.00
Frt								0.850	0.850			
Flt Protected		0.997					0.950					
Satd. Flow (prot)	0	3461	0	0	5036	0	1543	1475	1475	0	0	0
Flt Permitted		0.707					0.950					
Satd. Flow (perm)	0	2454	0	0	5036	0	1543	1475	1475	0	0	0
Right Turn on Red			Yes			Yes			Yes			Yes
Satd. Flow (RTOR)								272	272			
Link Speed (mph)		45			45			30			30	
Link Distance (ft)		440			373			515			456	
Travel Time (s)		6.7			5.7			11.7			10.4	
Peak Hour Factor	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
Heavy Vehicles (%)	4%	4%	0%	0%	3%	0%	17%	0%	4%	0%	0%	0%
Adj. Flow (vph)	51	691	0	0	1431	0	377	1	634	0	0	0
Shared Lane Traffic (%)									50%			
Lane Group Flow (vph)	0	742	0	0	1431	0	377	318	317	0	0	0
Enter Blocked Intersection	No	No	No	No	No	No	No	No	No	No	No	No
Lane Alignment	Left	Left	Right	Left	Left	Right	Left	Left	Right	Left	Left	Right
Median Width(ft)		0			0			12			12	
Link Offset(ft)		0			0			0			0	
Crosswalk Width(ft)		16			16			16			16	
Two way Left Turn Lane												
Headway Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Turning Speed (mph)	15		9	15		9	15		9	15		9
Turn Type	Perm	NA			NA		Perm	NA	Perm			
Protected Phases		1 2 4 7			1 2 4			3				
Permitted Phases	1 2 4 7						3		3			
Detector Phase	1 2 4 7	1 2 4 7			1 2 4		3	3	3			
Switch Phase												
Minimum Initial (s)							6.0	6.0	6.0			
Minimum Split (s)							12.2	12.2	12.2			
Total Split (s)							49.0	49.0	49.0			
Total Split (%)							31.6%	31.6%	31.6%			
Maximum Green (s)							42.8	42.8	42.8			
Yellow Time (s)							3.6	3.6	3.6			
All-Red Time (s)							2.6	2.6	2.6			
Lost Time Adjust (s)							0.0	0.0	0.0			
Total Lost Time (s)							6.2	6.2	6.2			
Lead/Lag							Lead	Lead	Lead			
Lead-Lag Optimize?							Yes	Yes	Yes			
Vehicle Extension (s)							4.0	4.0	4.0			
Recall Mode							None	None	None			

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

Lane Group	Ø1	Ø2	Ø4	Ø7
Lane Configurations				
Traffic Volume (vph)				
Future Volume (vph)				
Ideal Flow (vphpl)				
Storage Length (ft)				
Storage Lanes				
Taper Length (ft)				
Lane Util. Factor				
Frt				
Flt Protected				
Satd. Flow (prot)				
Flt Permitted				
Satd. Flow (perm)				
Right Turn on Red				
Satd. Flow (RTOR)				
Link Speed (mph)				
Link Distance (ft)				
Travel Time (s)				
Peak Hour Factor				
Heavy Vehicles (%)				
Adj. Flow (vph)				
Shared Lane Traffic (%)				
Lane Group Flow (vph)				
Enter Blocked Intersection				
Lane Alignment				
Median Width(ft)				
Link Offset(ft)				
Crosswalk Width(ft)				
Two way Left Turn Lane				
Headway Factor				
Turning Speed (mph)				
Turn Type				
Protected Phases	1	2	4	7
Permitted Phases				
Detector Phase				
Switch Phase				
Minimum Initial (s)	10.0	20.0	6.0	10.0
Minimum Split (s)	15.7	45.3	12.2	15.7
Total Split (s)	40.0	36.0	15.0	15.0
Total Split (%)	26%	23%	10%	10%
Maximum Green (s)	34.3	29.7	8.8	9.3
Yellow Time (s)	4.3	4.3	3.6	4.3
All-Red Time (s)	1.4	2.0	2.6	1.4
Lost Time Adjust (s)				
Total Lost Time (s)				
Lead/Lag	Lead	Lag	Lag	
Lead-Lag Optimize?	Yes	Yes	Yes	
Vehicle Extension (s)	3.0	2.0	3.0	5.0
Recall Mode	None	Min	None	None

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

Lanes, Volumes, Timings
2: I-990 NB Ramps & N French Rd

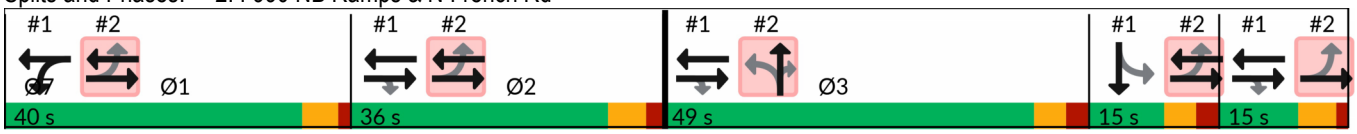
2027 Full-Build PM RIRO MIT
08/27/2024

Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Walk Time (s)							7.0	7.0	7.0			
Flash Dont Walk (s)							32.0	32.0	32.0			
Pedestrian Calls (#/hr)							0	0	0			
Act Effct Green (s)		100.3			79.6		42.8	42.8	42.8			
Actuated g/C Ratio		0.65			0.51		0.28	0.28	0.28			
v/c Ratio		0.46			0.55		0.88	0.52	0.52			
Control Delay (s/veh)		15.8			22.2		76.5	11.5	11.4			
Queue Delay		1.0			0.0		0.0	0.0	0.0			
Total Delay (s/veh)		16.9			22.3		76.5	11.5	11.4			
LOS		B			C		E	B	B			
Approach Delay (s/veh)		16.9			22.3			35.8				
Approach LOS		B			C			D				
Queue Length 50th (ft)		150			247		368	36	35			
Queue Length 95th (ft)		181			279		#556	135	134			
Internal Link Dist (ft)		360			293			435			376	
Turn Bay Length (ft)												
Base Capacity (vph)		1587			2586		426	604	604			
Starvation Cap Reductn		562			0		0	0	0			
Spillback Cap Reductn		0			146		0	0	0			
Storage Cap Reductn		0			0		0	0	0			
Reduced v/c Ratio		0.72			0.59		0.88	0.53	0.52			

Intersection Summary			
Area Type:	Other		
Cycle Length: 155			
Actuated Cycle Length: 155			
Natural Cycle: 145			
Control Type: Actuated-Uncoordinated			
Maximum v/c Ratio: 0.93			
Intersection Signal Delay (s/veh): 25.3		Intersection LOS: C	
Intersection Capacity Utilization 79.6%		ICU Level of Service D	
Analysis Period (min) 15			

95th percentile volume exceeds capacity, queue may be longer.
Queue shown is maximum after two cycles.

Splits and Phases: 2: I-990 NB Ramps & N French Rd

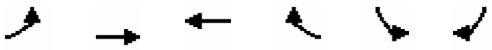


Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

Lane Group	Ø1	Ø2	Ø4	Ø7
Walk Time (s)		7.0		
Flash Dont Walk (s)		32.0		
Pedestrian Calls (#/hr)		0		
Act Effct Green (s)				
Actuated g/C Ratio				
v/c Ratio				
Control Delay (s/veh)				
Queue Delay				
Total Delay (s/veh)				
LOS				
Approach Delay (s/veh)				
Approach LOS				
Queue Length 50th (ft)				
Queue Length 95th (ft)				
Internal Link Dist (ft)				
Turn Bay Length (ft)				
Base Capacity (vph)				
Starvation Cap Reductn				
Spillback Cap Reductn				
Storage Cap Reductn				
Reduced v/c Ratio				

Intersection Summary

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)



Lane Group	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Volume (vph)	0	1246	1327	4	0	18
Future Volume (vph)	0	1246	1327	4	0	18
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Lane Util. Factor	1.00	0.95	0.95	0.95	1.00	1.00
Frt						0.865
Flt Protected						
Satd. Flow (prot)	0	3343	3313	0	0	1644
Flt Permitted						
Satd. Flow (perm)	0	3343	3313	0	0	1644
Link Speed (mph)		45	45		30	
Link Distance (ft)		373	958		610	
Travel Time (s)		7.3	12.9		13.9	
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92
Heavy Vehicles (%)	0%	8%	9%	0%	0%	0%
Adj. Flow (vph)	0	1354	1442	4	0	20
Shared Lane Traffic (%)						
Lane Group Flow (vph)	0	1354	1446	0	0	20
Enter Blocked Intersection	No	No	No	No	No	No
Lane Alignment	Left	Left	Left	Right	Left	Right
Median Width(ft)		12	12		12	
Link Offset(ft)		0	0		0	
Crosswalk Width(ft)		16	16		16	
Two way Left Turn Lane						
Headway Factor	1.00	1.00	1.00	1.00	1.00	1.00
Turning Speed (mph)	15			9	15	9
Sign Control		Free	Free		Stop	

Intersection Summary			
Area Type:	Other		
Control Type: Unsignalized			
Intersection Capacity Utilization 46.8%		ICU Level of Service A	
Analysis Period (min) 15			

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

Intersection	
Int Delay, s/veh	0.1

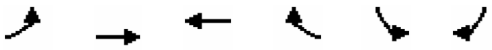
Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Vol, veh/h	0	1246	1327	4	0	18
Future Vol, veh/h	0	1246	1327	4	0	18
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	0	-
Veh in Median Storage, #	-	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	0	8	9	0	0	0
Mvmt Flow	0	1354	1442	4	0	20

Major/Minor	Major1		Major2		Minor2	
Conflicting Flow All	-	0	-	0	-	723
Stage 1	-	-	-	-	-	-
Stage 2	-	-	-	-	-	-
Critical Hdwy	-	-	-	-	-	6.9
Critical Hdwy Stg 1	-	-	-	-	-	-
Critical Hdwy Stg 2	-	-	-	-	-	-
Follow-up Hdwy	-	-	-	-	-	3.3
Pot Cap-1 Maneuver	0	-	-	-	0	373
Stage 1	0	-	-	-	0	-
Stage 2	0	-	-	-	0	-
Platoon blocked, %		-	-	-		
Mov Cap-1 Maneuver	-	-	-	-	-	373
Mov Cap-2 Maneuver	-	-	-	-	-	-
Stage 1	-	-	-	-	-	-
Stage 2	-	-	-	-	-	-

Approach	EB	WB	SB
HCM Control Delay, s/v	0	0	15.18
HCM LOS			C

Minor Lane/Major Mvmt	EBT	WBT	WBR	SBLn1
Capacity (veh/h)	-	-	-	373
HCM Lane V/C Ratio	-	-	-	0.052
HCM Control Delay (s/veh)	-	-	-	15.2
HCM Lane LOS	-	-	-	C
HCM 95th %tile Q(veh)	-	-	-	0.2

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)



Lane Group	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Volume (vph)	40	1206	1324	20	15	7
Future Volume (vph)	40	1206	1324	20	15	7
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Storage Length (ft)	150			0	0	0
Storage Lanes	1			0	1	0
Taper Length (ft)	25				25	
Lane Util. Factor	1.00	0.95	0.95	0.95	1.00	1.00
Frt			0.998			0.850
Flt Protected	0.950				0.950	
Satd. Flow (prot)	1805	3343	3309	0	1805	1615
Flt Permitted	0.950				0.950	
Satd. Flow (perm)	1805	3343	3309	0	1805	1615
Link Speed (mph)		45	45		30	
Link Distance (ft)		958	336		642	
Travel Time (s)		12.9	5.1		14.6	
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92
Heavy Vehicles (%)	0%	8%	9%	0%	0%	0%
Adj. Flow (vph)	43	1311	1439	22	16	8
Shared Lane Traffic (%)						
Lane Group Flow (vph)	43	1311	1461	0	16	8
Enter Blocked Intersection	No	No	No	No	No	No
Lane Alignment	Left	Left	Left	Right	Left	Right
Median Width(ft)		0	0		12	
Link Offset(ft)		0	0		0	
Crosswalk Width(ft)		16	16		16	
Two way Left Turn Lane			Yes			
Headway Factor	1.00	1.00	1.00	1.00	1.00	1.00
Turning Speed (mph)	15			9	15	9
Sign Control		Free	Free		Stop	

Intersection Summary			
Area Type:	Other		
Control Type: Unsignalized			
Intersection Capacity Utilization	47.2%	ICU Level of Service	A
Analysis Period (min)	15		

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

Intersection	
Int Delay, s/veh	0.5

Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Vol, veh/h	40	1206	1324	20	15	7
Future Vol, veh/h	40	1206	1324	20	15	7
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	150	-	-	-	0	-
Veh in Median Storage, #	-	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	0	8	9	0	0	0
Mvmt Flow	43	1311	1439	22	16	8

Major/Minor	Major1		Major2		Minor2	
Conflicting Flow All	1461	0	-	0	2192	730
Stage 1	-	-	-	-	1450	-
Stage 2	-	-	-	-	742	-
Critical Hdwy	4.1	-	-	-	6.8	6.9
Critical Hdwy Stg 1	-	-	-	-	5.8	-
Critical Hdwy Stg 2	-	-	-	-	5.8	-
Follow-up Hdwy	2.2	-	-	-	3.5	3.3
Pot Cap-1 Maneuver	469	-	-	-	40	369
Stage 1	-	-	-	-	186	-
Stage 2	-	-	-	-	437	-
Platoon blocked, %		-	-	-		
Mov Cap-1 Maneuver	469	-	-	-	36	369
Mov Cap-2 Maneuver	-	-	-	-	124	-
Stage 1	-	-	-	-	168	-
Stage 2	-	-	-	-	437	-

Approach	EB	WB	SB
HCM Control Delay, s/v	0.43	0	31.01
HCM LOS			D

Minor Lane/Major Mvmt	EBL	EBT	WBT	WBR	SBLn1	SBLn2
Capacity (veh/h)	469	-	-	-	124	369
HCM Lane V/C Ratio	0.093	-	-	-	0.132	0.021
HCM Control Delay (s/veh)	13.5	-	-	-	38.5	15
HCM Lane LOS	B	-	-	-	E	B
HCM 95th %tile Q(veh)	0.3	-	-	-	0.4	0.1

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

Lane Group	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Traffic Volume (vph)	1183	37	11	1327	17	4
Future Volume (vph)	1183	37	11	1327	17	4
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Lane Util. Factor	0.95	0.95	0.95	0.95	1.00	1.00
Frt	0.995				0.977	
Flt Protected					0.960	
Satd. Flow (prot)	3517	0	0	3506	1698	0
Flt Permitted					0.960	
Satd. Flow (perm)	3517	0	0	3506	1698	0
Link Speed (mph)	45			45	35	
Link Distance (ft)	336			564	623	
Travel Time (s)	25.2			8.5	12.1	
Peak Hour Factor	0.90	0.90	0.90	0.90	0.90	0.90
Heavy Vehicles (%)	2%	6%	0%	3%	6%	0%
Adj. Flow (vph)	1314	41	12	1474	19	4
Shared Lane Traffic (%)						
Lane Group Flow (vph)	1355	0	0	1486	23	0
Enter Blocked Intersection	No	No	No	No	No	No
Lane Alignment	Left	Right	Left	Left	Left	Right
Median Width(ft)	24			24	12	
Link Offset(ft)	0			0	0	
Crosswalk Width(ft)	16			16	16	
Two way Left Turn Lane	Yes					
Headway Factor	1.00	1.00	1.00	1.00	1.00	1.00
Turning Speed (mph)		9	15		15	9
Sign Control	Free			Free	Stop	

Intersection Summary			
Area Type:	Other		
Control Type: Unsignalized			
Intersection Capacity Utilization 54.4%		ICU Level of Service A	
Analysis Period (min) 15			

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

Intersection	
Int Delay, s/veh	0.6

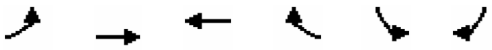
Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Traffic Vol, veh/h	1183	37	11	1327	17	4
Future Vol, veh/h	1183	37	11	1327	17	4
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	0	-
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	90	90	90	90	90	90
Heavy Vehicles, %	2	6	0	3	6	0
Mvmt Flow	1314	41	12	1474	19	4

Major/Minor	Major1		Major2		Minor1	
Conflicting Flow All	0	0	1356	0	2097	678
Stage 1	-	-	-	-	1335	-
Stage 2	-	-	-	-	762	-
Critical Hdwy	-	-	4.1	-	6.92	6.9
Critical Hdwy Stg 1	-	-	-	-	5.92	-
Critical Hdwy Stg 2	-	-	-	-	5.92	-
Follow-up Hdwy	-	-	2.2	-	3.56	3.3
Pot Cap-1 Maneuver	-	-	514	-	43	400
Stage 1	-	-	-	-	203	-
Stage 2	-	-	-	-	411	-
Platoon blocked, %	-	-		-		
Mov Cap-1 Maneuver	-	-	514	-	41	400
Mov Cap-2 Maneuver	-	-	-	-	139	-
Stage 1	-	-	-	-	203	-
Stage 2	-	-	-	-	395	-

Approach	EB	WB	NB
HCM Control Delay, s/v	0	0.58	31.61
HCM LOS			D

Minor Lane/Major Mvmt	NBLn1	EBT	EBR	WBL	WBT
Capacity (veh/h)	158	-	-	30	-
HCM Lane V/C Ratio	0.147	-	-	0.024	-
HCM Control Delay (s/veh)	31.6	-	-	12.2	0.5
HCM Lane LOS	D	-	-	B	A
HCM 95th %tile Q(veh)	0.5	-	-	0.1	-

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)



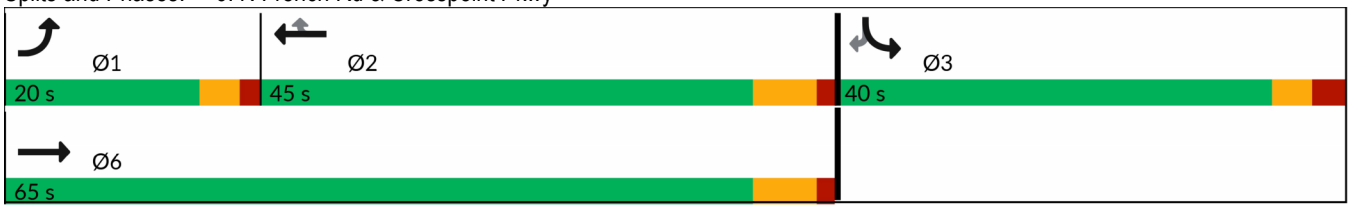
Lane Group	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Volume (vph)	119	1068	1032	73	89	305
Future Volume (vph)	119	1068	1032	73	89	305
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Storage Length (ft)	205			150	0	210
Storage Lanes	2			1	1	1
Taper Length (ft)	25				25	
Lane Util. Factor	0.97	0.95	0.95	1.00	1.00	0.88
Frt				0.850		0.850
Flt Protected	0.950				0.950	
Satd. Flow (prot)	3467	3438	3471	1538	1719	2682
Flt Permitted	0.950				0.950	
Satd. Flow (perm)	3467	3438	3471	1538	1719	2682
Right Turn on Red				Yes		Yes
Satd. Flow (RTOR)				51		363
Link Speed (mph)		45	45		30	
Link Distance (ft)		564	586		610	
Travel Time (s)		8.5	8.9		13.9	
Peak Hour Factor	0.84	0.84	0.84	0.84	0.84	0.84
Heavy Vehicles (%)	1%	5%	4%	5%	5%	6%
Adj. Flow (vph)	142	1271	1229	87	106	363
Shared Lane Traffic (%)						
Lane Group Flow (vph)	142	1271	1229	87	106	363
Enter Blocked Intersection	No	No	No	No	No	No
Lane Alignment	Left	Left	Left	Right	Left	Right
Median Width(ft)		24	24		12	
Link Offset(ft)		0	0		0	
Crosswalk Width(ft)		16	16		16	
Two way Left Turn Lane						
Headway Factor	1.00	1.00	1.00	1.00	1.00	1.00
Turning Speed (mph)	15			9	15	9
Turn Type	Prot	NA	NA	Perm	Prot	Perm
Protected Phases	1	6	2		3	
Permitted Phases				2		3
Detector Phase	1	6	2	2	3	3
Switch Phase						
Minimum Initial (s)	6.0	15.0	15.0	15.0	6.0	6.0
Minimum Split (s)	10.7	21.4	21.4	21.4	11.8	11.8
Total Split (s)	20.0	65.0	45.0	45.0	40.0	40.0
Total Split (%)	19.0%	61.9%	42.9%	42.9%	38.1%	38.1%
Maximum Green (s)	15.3	58.6	38.6	38.6	34.2	34.2
Yellow Time (s)	3.2	5.0	5.0	5.0	3.2	3.2
All-Red Time (s)	1.5	1.4	1.4	1.4	2.6	2.6
Lost Time Adjust (s)	0.0	0.0	0.0	0.0	0.0	0.0
Total Lost Time (s)	4.7	6.4	6.4	6.4	5.8	5.8
Lead/Lag	Lead		Lag	Lag		
Lead-Lag Optimize?	Yes		Yes	Yes		
Vehicle Extension (s)	3.0	3.0	3.0	3.0	3.0	3.0
Recall Mode	None	Min	Min	Min	None	None

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

Lane Group	EBL	EBT	WBT	WBR	SBL	SBR
Walk Time (s)			7.0	7.0		
Flash Dont Walk (s)			15.0	15.0		
Pedestrian Calls (#/hr)			0	0		
Act Effct Green (s)	8.5	46.9	33.6	33.6	10.0	10.0
Actuated g/C Ratio	0.12	0.68	0.48	0.48	0.14	0.14
v/c Ratio	0.33	0.54	0.73	0.11	0.42	0.52
Control Delay (s/veh)	32.1	6.9	17.7	5.9	34.4	6.5
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay (s/veh)	32.1	6.9	17.7	5.9	34.4	6.5
LOS	C	A	B	A	C	A
Approach Delay (s/veh)		9.5	17.0		12.8	
Approach LOS		A	B		B	
Queue Length 50th (ft)	29	118	204	7	43	0
Queue Length 95th (ft)	56	180	296	29	86	28
Internal Link Dist (ft)		484	506		530	
Turn Bay Length (ft)	205			150		210
Base Capacity (vph)	778	2912	1965	892	862	1526
Starvation Cap Reductn	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0
Reduced v/c Ratio	0.18	0.44	0.63	0.10	0.12	0.24

Intersection Summary			
Area Type:	Other		
Cycle Length: 105			
Actuated Cycle Length: 69.4			
Natural Cycle: 60			
Control Type: Actuated-Uncoordinated			
Maximum v/c Ratio: 0.73			
Intersection Signal Delay (s/veh): 13.1		Intersection LOS: B	
Intersection Capacity Utilization 52.6%		ICU Level of Service A	
Analysis Period (min) 15			

Splits and Phases: 6: N French Rd & Crosspoint Pkwy



Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)



Lane Group	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Traffic Volume (vph)	2	13	8	190	394	3
Future Volume (vph)	2	13	8	190	394	3
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Lane Util. Factor	1.00	1.00	0.95	0.95	0.95	0.95
Frt	0.882				0.999	
Flt Protected	0.994			0.998		
Satd. Flow (prot)	1666	0	0	3407	3251	0
Flt Permitted	0.994			0.998		
Satd. Flow (perm)	1666	0	0	3407	3251	0
Link Speed (mph)	30			30	30	
Link Distance (ft)	544			610	380	
Travel Time (s)	12.4			13.9	8.6	
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92
Heavy Vehicles (%)	0%	0%	0%	6%	11%	0%
Adj. Flow (vph)	2	14	9	207	428	3
Shared Lane Traffic (%)						
Lane Group Flow (vph)	16	0	0	216	431	0
Enter Blocked Intersection	No	No	No	No	No	No
Lane Alignment	Left	Right	Left	Left	Left	Right
Median Width(ft)	12			0	0	
Link Offset(ft)	0			0	0	
Crosswalk Width(ft)	16			16	16	
Two way Left Turn Lane						
Headway Factor	1.00	1.00	1.00	1.00	1.00	1.00
Turning Speed (mph)	15	9	15			9
Sign Control	Stop			Free	Free	

Intersection Summary			
Area Type:	Other		
Control Type: Unsignalized			
Intersection Capacity Utilization 21.1%		ICU Level of Service A	
Analysis Period (min) 15			

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

Intersection	
Int Delay, s/veh	0.4

Movement	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Traffic Vol, veh/h	2	13	8	190	394	3
Future Vol, veh/h	2	13	8	190	394	3
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	-	-	-	-	-
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	0	0	0	6	11	0
Mvmt Flow	2	14	9	207	428	3

Major/Minor	Minor2		Major1		Major2	
Conflicting Flow All	551	216	432	0	-	0
Stage 1	430	-	-	-	-	-
Stage 2	121	-	-	-	-	-
Critical Hdwy	6.8	6.9	4.1	-	-	-
Critical Hdwy Stg 1	5.8	-	-	-	-	-
Critical Hdwy Stg 2	5.8	-	-	-	-	-
Follow-up Hdwy	3.5	3.3	2.2	-	-	-
Pot Cap-1 Maneuver	470	795	1139	-	-	-
Stage 1	630	-	-	-	-	-
Stage 2	898	-	-	-	-	-
Platoon blocked, %				-	-	-
Mov Cap-1 Maneuver	466	795	1139	-	-	-
Mov Cap-2 Maneuver	466	-	-	-	-	-
Stage 1	624	-	-	-	-	-
Stage 2	898	-	-	-	-	-

Approach	EB	NB	SB
HCM Control Delay, s/v	10.07	0.39	0
HCM LOS	B		

Minor Lane/Major Mvmt	NBL	NBT	EBLn1	SBT	SBR
Capacity (veh/h)	145	-	727	-	-
HCM Lane V/C Ratio	0.008	-	0.022	-	-
HCM Control Delay (s/veh)	8.2	0.1	10.1	-	-
HCM Lane LOS	A	A	B	-	-
HCM 95th %tile Q(veh)	0	-	0.1	-	-

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

Wetland and Waterbodies Delineation Report

for

SBLC

Town of Amherst

Erie County, New York

for

Cimato Enterprises

EARTH DIMENSIONS, INC.

Soils Investigations • Wetland Delineations

August 26, 2024
EDI Project Code: **W23E07a**

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

REPORT SUMMARIZING
THE RESULTS OF
A WETLAND DELINEATION SURVEY OF

SBLC

Prepared for Submission to:

U.S. ARMY CORPS OF ENGINEERS
478 MAIN STREET
BUFFALO, NEW YORK 14202

AND

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
700 DELAWARE AVENUE
BUFFALO, NEW YORK 14209

Prepared By:

EARTH DIMENSIONS, INC.
1091 JAMISON ROAD
ELMA, NEW YORK 14059

Prepared For:

FRED CIMATO
CIMATO ENTERPRISES
9220 TRANSIT ROAD
EAST AMHERST, NEW YORK 14051
CIMATOENTERPRISES5647@GMAIL.COM
(716) 861-3529

REPORT DATE: August 26, 2024

EDI PROJECT CODE: W23E07a

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

PROJECT INFORMATION

Project Name	SBLC
Street Address	1790 & 1860 North French Road, 999 Campbell Blvd
SBL Number	27.00-2-29; 27.04-1-16.1; 27.04-1-12
Town	Amherst
County	Erie
State	New York
Latitude/Longitude (NAD83)	43.03831°N, -78.75525°W
Investigation Area	65.64± Acres
USGS 7.5 Minute Topographical Map	Tonawanda East Quadrangle
Waterway	UNT to Erie Canal
Hydrologic Unit Code	04120104
Date of Delineation	April 11, 2023, July 29, 2024
Consultant	Earth Dimensions, Inc. 1091 Jamison Road Elma, New York 14059
Point of Contact	Scott Livingstone (716)655-1717 slivingstone@earthdimensions.com
Engineer	Carmina Wood Morris
Property Owner	SBLC Development Corp; Anthony Cimato
Authority	Section 404, Article 24
Permit/Letter Being Requested	Jurisdictional Determination

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

TABLE OF CONTENTS

Executive Summary ii
Table 1: Wetland Summary ii
Table 2: Stream & Drainage Summary iii
Section I: Introduction 1
Section II: Site Description 2
Section III: Preliminary Data Review 3
A. SUMMARY OF FINDINGS 3
1. USGS 7.5 Minute Topographical Map 3
2. USFWS National Wetlands Inventory Map 3
3. Natural Resources Conservation Service Soils Map 4
4. NYSDEC Freshwater Wetlands Map 5
B. RESULTS OF AGENCY INFORMATION REVIEW 5
Section IV: Field Investigation Procedures 7
Wetlands: 7
Streams & Drainages: 10
Section V: Results And Conclusions 12
Section VI: Recommendations 18
Appendix A - Figures
Figure 1: USGS 7.5 Minute Topographical Map
Figure 2: National Wetlands Inventory Map
Figure 3: NRCS Soil Survey Map
Figure 4: NYSDEC Environmental Resource Mapper
Figure 5: General Vegetation Map
Figure 6: Wetland Delineation Map
Figure 7: Drainage Map
Figure 8: Site Aerial Photograph
Figure 9: Aerial Photo with wetlands
Figure 10: Soil Map with Wetlands
Figure 11: FEMA Floodplain Map
Appendix B – Data Sheets
Appendix C - Site Photographs
Appendix D - References
Appendix E - Wetland Investigation Personnel

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

EXECUTIVE SUMMARY

Cimato Enterprises has proposed the development of a 65.64± acre parcel located along the north side of North French Road in the Town of Amherst, County of Erie, and State of New York. Cimato Enterprises has retained Earth Dimensions, Inc. (EDI) to complete a wetland delineation report that would allow the U.S. Army Corps of Engineers (USACE) and New York State Department of Environmental Conservation (NYSDEC) to determine their jurisdictional authority over the investigation area, pursuant to Section 404 of the Clean Water Act and Articles 15 (Protection of Waters) and 24 (Freshwater Wetlands) of the New York State Environmental Conservation Law. The proposed project does not qualify for Bipartisan Infrastructure Law (BIL) funding.

A preliminary review of available information pertaining to vegetation, soils, and hydrology in the project area was implemented prior to conducting a field investigation at the site. Sources of information included the United States Geological Survey (USGS), Natural Resources Conservation Service (NRCS), National Wetland Inventory (NWI), and NYSDEC Freshwater Wetland maps. The USGS, NRCS and NWI maps indicate the potential for wetlands under federal jurisdiction. The NYSDEC map indicates the potential for wetland under state jurisdiction.

EDI applied methodology specified by the Corps of Engineers Wetlands Delineation Manual (January 1987) and Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Northcentral and Northeast Region Version 2.0 (January 2012) to perform a delineation of Federal jurisdictional wetlands within the site. EDI identified nine (9) wetland areas totaling 18.943± acres and three (3) streams within the investigation area. The identification number of the wetlands, their acreage and boundary flags are as follows:

TABLE 1: WETLAND SUMMARY

Wetland Identification #	Geographic Center (WGS84)		Boundary Flag #	Total Acreage On-site	Wetland Type (Cowardin)	Wetland Type (Reschke)
	Latitude	Longitude				
Wetland 1	43.03512	-78.75783	W1-1 through W1-6	0.152±	PFO	Hardwood Swamp
Wetland 2	43.04035	-78.75641	W2-1 through W2-146	9.82±	PSS	Scrub-shrub Swamp
Wetland 3	43.03948	-78.75333	W3-1 through W3-63	8.46±	PFO	Hardwood Swamp
Wetland 4	43.03718	-78.75781	W4-1 through W4-4	0.012±	PEM	Wet Meadow

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

Wetland 5	43.03850	-78.75732	W5-1 through W5-6	0.101±	PEM	Wet Meadow
Wetland 6	43.03941	-78.75672	W6-1 through W6-6	0.094±	PEM	Shallow Emergent Marsh
Wetland 7	43.03961	-78.75511	W7-1 through W7-3	0.010±	PEM	Farmed Wetland
Wetland 8	43.04096	-78.75644	W8-1 through W8-8	0.068±	PEM	Wet Meadow
Wetland 9	43.03747	-78.75538	W9-1 through W9-6	0.226±	PEM	Farmed Wetland
Total Wetland Acreage:				18.943±		

TABLE 2: STREAM & DRAINAGE SUMMARY

Stream Identification #	Geographic Center (WGS84)		Waterway	DEC Class	Linear Feet On-site	Highwater Width (Ft)	Flow Regime	Substrate	Classification (Cowardin)	Jurisdiction Determinati
	Latitude	Longitude								
Stream 1	43.03956	-78.75280	UNT to Erie Canal	C	110 feet	2 to 3	Perennial	Silt	R4SB6	Jurisdiction
Stream 2	43.03899	-78.75604	UNT to Erie Canal	C	3,794 feet	4 to 10	Perennial	Silt, Veg	R5UBH	Jurisdiction
Stream 3	43.04048	-78.75677	UNT to Erie Canal	N/A	231 feet	6 to 8	Intermittent	Silt	R4SB6	Jurisdiction

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

SECTION I: INTRODUCTION

Cimato Enterprises has proposed the development of a 65.64± acre parcel on the north side of North French Road in the Town of Amherst, County of Erie, and State of New York. The project has been given the name SBLC and is located on USGS 7.5-minute quadrangle map indexed as Tonawanda East (Figure 1). The field work was completed on April 11, 2023 and July 29, 2024 using a handheld Trimble Geo 7X GPS and Trimble 650 TDC GPS to locate wetland and drainage boundaries.

Cimato Enterprises has retained Earth Dimensions, Inc. (EDI) to complete a wetland delineation study at this site. The investigation was designed to facilitate a determination of the extent of USACE and NYSDEC jurisdiction over the project area pursuant to Section 404 of the Clean Water Act and Articles 15 (Protection of Waters) and 24 (Freshwater Wetlands) of the New York State Environmental Conservation Law.

EDI has performed a wetland delineation study at the site under guidelines specified by the *Corps of Engineers Wetlands Delineation Manual*, dated January 1987 (referred to hereafter as the Corps Manual) and the *Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Northcentral and Northeast Region version 2.0* (January 2012) (referred to hereafter as the Northcentral and Northeast Regional Supplement). The purpose of this report is to present EDI's methods, results, conclusions and recommendations with respect to the SBLC project site.

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

SECTION II: SITE DESCRIPTION

The SBLC project area is comprised of a 65.64± acre investigation area on the north side of North French Road, east of Interstate 990 and west of Crosspoint Parkway. The investigation area is comprised of 4 individual parcels, including a National Grid right-of-way. The investigation area is outlined on Figure 1 and depicted on the Wetland Delineation Map included in Appendix A (Figure 6).

The natural topography of the SBLC site is flat to gently sloping. The upland within the investigation area consisted of brushy cleared land, agricultural field, successional old field, successional shrubland and successional northern hardwood communities. The wetland areas were found to consist of farmed wetland, wet meadow, shallow emergent marsh, scrub-shrub swamp and hardwood swamp communities. The vegetative communities of the investigation area are described according to *Ecological Communities of New York State* (Edinger et al. 2014).

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

SECTION III: PRELIMINARY DATA REVIEW

A. SUMMARY OF FINDINGS

Several sources of information may be reviewed to facilitate the completion of a wetland delineation study. In some cases, it is even possible to make a preliminary office wetland determination based upon available vegetation, soils, and hydrologic information for a project area. EDI completed a preliminary review of several data sources at the onset of this study. The results of the review are summarized as follows:

1. USGS 7.5 MINUTE TOPOGRAPHICAL MAP

Figure 1 depicts the SBLC project site on the Tonawanda East quadrangle map. The figure depicts the flat to gently sloping topography of the site. An unnamed tributary to the Erie Canal is shown flowing northerly through the investigation area.

2. USFWS NATIONAL WETLANDS INVENTORY MAP

The National Wetlands Inventory (NWI) map obtained from the USFWS Wetland Mapper http://www.fws.gov/wetlands/Data/Mapper.html displays seven (7) wetland types, PFO1C, PFO1Bd, PEM1Cd, R2UBH, R4SBC, R2UBHx, and PUBHx within the investigation area. The wetlands can be decoded as:

[P] Palustrine, [FO] Forested, [1] Broad leaved-deciduous, [C] Seasonally flooded

[P] Palustrine, [FO] Forested, [1] Broad leaved-deciduous, [1] Broad leaved-deciduous, [B] Seasonally saturated, [d] Partially drained

[P] Palustrine, [EM] Emergent, [1] Persistent, [C] Seasonally flooded, [d] Partially drained/ditched

[R] Riverine, [2] Lower perennial, [UB] Unconsolidated bottom, [H] Permanently flooded

[R] Riverine, [4] Intermittent, [SB] Streambed, [C] Seasonally flooded

[R] Riverine, [2] Lower perennial, [UB] Unconsolidated bottom, [H] Permanently flooded, [x] Excavated

[P] Palustrine, [UB] Unconsolidated bottom, [H] Permanently flooded, [x] Excavated

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

3. NATURAL RESOURCES CONSERVATION SERVICE SOILS MAP

Figure 3 presents the project area outlined on a copy of the Erie County Soil Survey map from the National Cooperative Soil Survey. As shown on that figure, the site has the following soil types:

Soil Conservation Service Legend

Map Unit Symbol	Map Unit Name	Hydric Rating
Ge	Getzville silt loam	85
Lc	Lamson very fine sandy loam	90
Sw	Swormville clay loam	10
Wd	Wayland silt loam, 0 to 3% slopes, frequently flooded	90

Getzville Series: The Getzville series consists of deep, poorly drained and very poorly drained soils formed in silty lacustrine sediments that overlie sandy lacustrine sediments. These nearly level soils occupy slight depressional areas on lake plains. Permeability is moderate to moderately slow in the solum and moderately rapid in the substratum. Slope ranges from 0 to 3 percent. Mean annual temperature is 49°F and mean annual precipitation is 36 inches.

Lamson Series: The Lamson series consists of very deep, poorly drained and very poorly drained soils formed in glacio-fluvial, glacio-lacustrine and deltaic deposits. They are level and nearly level soils in low areas on glacial lake plains. Slope ranges from 0 to 3 percent but is mostly less than 2 percent. Saturated hydraulic conductivity is moderately high through high in the mineral soil. Mean annual air temperature is 49°F and mean annual precipitation is 37 inches.

Swormville Series: The Swormville series consists of very deep, somewhat poorly drained soils formed in silty glacio-lacustrine sediments overlying sandy glacio-lacustrine deposits. These soils are in moderately low areas on lake plains. Permeability is moderately slow or slow in the surface layer and upper part of the subsoil and moderately rapid in the underlying horizons. Slope ranges from 0 to 3 percent. Mean annual temperature is 49°F and mean annual precipitation is 38 inches.

Wayland Series: The Wayland series consists of very deep, poorly drained and very poorly drained, nearly level soils formed in recent alluvium. These soils are in low areas or slackwater areas on flood plains. Saturated hydraulic conductivity is moderately high or high in the mineral soil. Slope ranges

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

from 0 through 3 percent. Mean annual temperature is about 46°F and mean annual precipitation is about 42.5 inches.

The U.S. Department of Agriculture's National Technical Committee for Hydric Soils Criteria has developed a list of soils that often display hydric soil characteristics. Hydric soil typically forms in places of the landscape where surface water periodically collects for some time and/or where groundwater discharges sufficient to create waterlogged or anaerobic soils. Such anaerobic soils can support the growth and survival of hydrophytic vegetation that is tolerant of such conditions. The Hydric Rating indicates the proportion of map units that meets the criteria for hydric soils. Soil units are designated as "hydric," "predominantly hydric," "partially hydric," "predominantly nonhydric," or "nonhydric" depending on the hydric rating of its respective components. "Hydric" means that all components listed for a given map unit are rated as being hydric. "Predominantly hydric" means components that comprise 66 to 99 percent of the map unit are rated as hydric. "Partially hydric" means components that comprise 33 to 66 percent of the map unit are rated as hydric. "Predominantly nonhydric" means components that comprise up to 33 percent of the map unit are rated as hydric. "Nonhydric" means that none of the components are rated as hydric. Wetland hydrologic conditions, hydric soils, and hydrophytic vegetation are the three criteria of a wetland.

4. NYSDEC Freshwater Wetlands Map

The NYSDEC Freshwater Wetlands map obtained from the online NYSDEC Environmental Resource Mapper displays state jurisdictional Freshwater Wetlands TE-18 and TE-19 within and adjacent to the investigation area. A Class C stream is depicted in the eastern and northern portions of the site.

B. RESULTS OF AGENCY INFORMATION REVIEW

The preliminary data review revealed that the Corps may have jurisdiction over wetlands at the project location. The evidence consisted of potential federally regulated wetlands on the NWI map (Figure 2) and hydric soils and soils with possible inclusions depicted within the project area as shown on the NRCS map (Figure 3). The preliminary data review indicated that NYSDEC may have jurisdiction over wetlands on site as depicted on the NYSDEC Resource Mapper (Figure 4). Therefore, it was considered necessary to perform a field investigation at the site in order to determine the presence of federal and state protected wetlands. The methods specified in the Corps of Engineers Wetlands Delineation Manual (January 1987) and Northcentral and Northeast Regional Supplement Version 2.0

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

(January 2012) were employed during the field investigation. Procedures, results, and conclusions of the wetland delineation study are presented in the remainder of this report.

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

SECTION IV: FIELD INVESTIGATION PROCEDURES

WETLANDS:

Step 1

EDI applied methodology specified by the 1987 Corps of Engineers Wetlands Delineation Manual and Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Northcentral and Northeast Region to perform a delineation of Federal jurisdictional wetlands within the site. EDI used the Level 2 Routine Determination method (on-site inspection necessary) since insufficient information was available for making a determination for the entire project area. This methodology is consistent with Part IV, Section D of the Corps Manual.

Step 2

EDI's initial evaluation of the project area revealed that no atypical situations existed. If an atypical situation had existed, EDI would have used methodology outlined in Part IV, Section F of the Corps manual and/or Section 5 of the Northcentral and Northeast Supplement.

Step 3

EDI made the determination that normal environmental conditions were present, as the area was not lacking hydrophytic vegetation or hydrologic indicators due to annual, seasonal or long-term fluctuations in precipitation, surface water, or groundwater levels. The Northcentral and Northeast Supplement defines the growing season as beginning when one of the following indicators of biological activity are evident in a given year: (1) above-ground growth and development of vascular plants and/or (2) soil temperature measured at 12" below ground surface reaches 41ºF. The end of the growing season is defined as the point at which deciduous species lose their leaves or the last herbaceous plants cease flowering and their leaves become dry or brown, whichever comes latest.

Step 4

In order to accurately identify the limits of various vegetative communities and extent of wetlands on-site, a routine determination method was used. As depicted in Appendix A and included in Appendix B, thirty-six (36) data points were used to characterize the site.

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

Step 5

The plant community inhabiting each observation point was characterized in accordance with methods specified in the Northcentral and Northeast Regional Supplement. Dominant plant species were identified within four vegetative strata (i.e. herb, sapling/shrub, tree and liana (woody vines) at each sampling point. The Northcentral and Northeast Regional Supplement defines the vegetative strata in the following manner:

Herb – A non-woody individual of a macrophytic species. Seedlings of woody plants (including vines) that are less than 3.28 feet in height are considered to be herbs.

Sapling/Shrub – A layer of vegetation composed of woody plants < 3.0 inches in diameter at breast height but greater than 3.28 feet in height, exclusive of woody vines.

Tree – A woody plant > 3.0 inches in diameter at breast height, regardless of height (exclusive of woody vines)

Liana – A layer of vegetation in forested plant communities that consist of woody vines greater than 3.28 feet in height.

As outlined in the manual, the quadrant sizes used for the vegetative strata were (i) a 3.28-foot radius for herbs; (ii) a ten-foot radius for saplings/shrubs and woody vines; and (iii) a 30-foot radius for trees. Dominant plant species were estimated using aerial coverage methods. Dominant species are defined in the Corps Manual as the most abundant plant species that when ranked in descending order of abundance and cumulatively totaled immediately exceed 50 percent of the total dominance measure for the stratum, plus any additional species comprising 20 percent or more of the total dominance measure.

The wetland indicator status (OBL, FACW, FAC, FACU, or UPL) listed for each identified species by the U.S. Fish and Wildlife Service in the National List of Plant Species that Occur in Wetlands: Northeast (Region 1) was recorded. The U.S. Fish and Wildlife wetland indicator status listings are defined as follows:

OBL – Plants that occur almost always (estimated probability >99 percent) in wetlands under natural conditions, but which may also occur rarely (estimated probability < 1 percent) in nonwetlands.

FACW – Plants that occur usually (estimated probability >67 percent to 99 percent) in wetlands, but also occur (estimated probability 1 percent to 33 percent) in nonwetlands.

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

FAC – Plants with a similar likelihood (estimated probability 33 percent to 67 percent) of occurring in both wetlands and nonwetlands.

FACU – Plants that occur sometimes (estimated probability 1 percent to <33 percent) in wetlands but occur more often (estimated probability >67 percent to 99 percent) in nonwetlands.

UPL – Plants that occur rarely (estimated probability < 1 percent) in wetlands but occur almost always (estimated probability >99 percent) in nonwetlands under natural conditions.

The plant community data was summarized on the data forms provided in the Northcentral and Northeast Regional Supplement included in this report as Appendix B.

Step 6

Plant data from each observation point were tested against the hydrophytic vegetation criterion specified in the Corps Manual and Northcentral and Northeast Regional Supplement. The Northcentral and Northeast Regional Supplement identifies a four-tiered approach for making a determination of whether or not the hydrophytic vegetation criteria is met for a sample plot. Indicator 1 (Rapid Test for Hydrophytic Vegetation) was first applied to determine if all dominant species across all strata are rated OBL and/or FACW. If Indicator 1 did not meet the hydrophytic vegetation criteria, Indicator 2 was then applied (dominance test); if greater than 50% of all plant species across all strata were rated OBL, FACW, or FAC, the hydrophytic vegetation criteria was considered met. In rare cases, when Indicators 1 and 2 did not meet the hydrophytic vegetation criteria but soils and hydrology criteria were met, Indicators 3 (Prevalence Index) and 4 (Morphological Adaptations) were used to make a final determination. All observation points that met the hydrophytic vegetation criterion were considered potential wetlands. Soils were then characterized.

Step 7

The Corps Manual specifies that soils need not be characterized (and are assumed hydric soils) at sampling points meeting the hydrophytic vegetation criterion if: (i) all dominant plant species have an indicator status of OBL, or (ii) all dominant species have an indicator status of OBL and/or FACW, and the wetland boundary is abrupt (at least one dominant OBL species must be present). All observation points sampled during this field investigation were examined directly for soil and hydrologic characteristics.

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

Step 8

At observation points requiring a soil evaluation, soil borings were performed by an EDI Soil Scientist using methods specified in the Northcentral and Northeast Regional Supplement. Soil pits were dug using a tile spade. Testpits were generally dug to a depth of 20 inches below ground surface. Soils were examined for any of the hydric soil indicators, as outlined in the Field Indicators of Hydric Soils in the United States. A determination was made as to whether or not the hydric soil criterion was met. Soils data was recorded on the data forms included in Appendix B of this report.

Step 9

EDI's Soil Scientist examined hydrologic indicators using methods specified by the Northcentral and Northeast Regional Supplement at each observation point. The wetland hydrology criterion was met if: (i) one or more primary field indicators was materially present, (ii) available hydrologic records provided necessary evidence, or (iii) two or more secondary indicators were present. Results were recorded on data forms taken from the Corps Manual and are included in this report as Appendix B.

Step 10

A wetland determination was made for every observation point. If a sample plot met the hydrophytic vegetation, hydric soil, and wetland hydrology criteria, the area was considered to be wetland.

Step 11

Based on the results of the transected data, wetland boundaries were established for each identified wetland using survey ribbon labeled “wetland delineation” and numbered consecutively along each wetland boundary. As outlined in the Corps Manual, the placement of flags was based on the limits of areas where all three parameters were met. Wetland flags were labeled W1-1 through W1-6, W2-1 through W2-146, W3-1 through W3-63, W4-1 through W4-4, W5-1 through W5-6, W6-1 through W6-6, W7-1 through W7-3, W8-1 through W8-8 and W9-1 through W9-6.

STREAMS & DRAINAGES:

The federally regulated Ordinary High Water (OHW) mark of streams within the Project

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

area were delineated utilizing the definitional criteria as presented in Title 33, Code of Federal Regulations, Part 328, and the USACE Regulatory Guidance Letter 05-05 – Guidance on Ordinary High Water Mark Identification. Each stream is categorized in regard to its flow regime as perennial, intermittent, or ephemeral, as defined by the USACE. The Ordinary High Water (OHW) mark for each stream is surveyed using the Trimble Geo 7X GPS and Trimble 650 TDC GPS. Each stream is assigned a letter designation, and survey points are numbered consecutively. Substrate characteristics and water depth are noted. Streams classified as AA, A, B, C, C(t), C(ts) and D in the State of New York are regulated by NYSDEC under Article 15 Use and Protection of Waters. Streams are given classifications which designate the level of protection afforded to each waterbody. Class AA and A are assigned to sources of drinking water. Class B streams are best suited for swimming and other contact recreation, but not drinking water. Class C streams identify waters that support fishing and non-contact activities. A classification with (t) designated a stream with the potential to support trout populations. A classification of (ts) identifies waters that may support trout spawning. Class D waters are the lowest classification and are often highly imperiled.

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

SECTION V: RESULTS AND CONCLUSIONS

Earth Dimensions, Inc. (EDI) has completed a wetland delineation study at the SBLC site located in the Town of Amherst, County of Erie, and State of New York. A field investigation was conducted by a Soil Scientist and a Wetland Ecologist from EDI. The wetland delineation study identified nine (9) wetlands totaling 18.943± acres and three (3) streams present within the SBLC site. No waterbodies were identified within the investigation area.

Figure 5 depicts the vegetative communities as they existed at the time of the investigation. . The upland within the investigation area consisted of brushy cleared land, agricultural field, successional old field, successional shrubland and successional northern hardwood communities. The wetland areas were found to consist of farmed wetland, wet meadow, shallow emergent marsh, scrub-shrub swamp and hardwood swamp communities. The vegetative communities of the investigation area are described according to Ecological Communities of New York State (Edinger et al. 2014).

The brushy cleared land dominates the upland portions of the site. This community has been brush-hogged. Very sparse vegetation is present. The community was dominated by the following species: perennial rye (*Lolium perenne*), annual bluegrass (*Poa annua*) and lambs quarters (*Chenopodium album*).

The successional shrubland community was dominated by the following species: Tatarian honeysuckle (*Lonicera tatarica*), gray dogwood (*Cornus racemosa*), white ash (*Fraxinus americana*), multiflora rose (*Rosa multiflora*), Canada bluegrass (*Poa compressa*), Canada goldenrod (*Solidago canadensis*), garlic mustard (*Alliaria petiolata*), Allegheny blackberry (*Rubus allegheniensis*) and summer grape (*Vitis aestivalis*).

The successional old field community was dominated by the following species: Canada goldenrod (*Solidago canadensis),* showy goldenrod (*Solidago specioso),* wrinkled goldenrod (*Solidago rugosa),* flat topped goldenrod (*Euthamia graminifolia),* spotted knapweed (*Centaurea stoebe),* teasel (*Dipsacus fullonum),* birdsfoot trefoil (*Lotus corniculatus),* garden vetch (*Vicia sativa),* green ash (*Fraxinus pennsylvanica),* Canada thistle (*Cirsium arvensis),* soybeans (*Glycine max),* burnweed (*Erechtites hieracifolia),* devil's beggar ticks (*Bidens frondosa),* sheep sorrel (*Rumex acetosa),* galliant

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soldier (*Galinsoga quadriradiata),* poke weed (*Phytolacca americana),* common sorrel (*Oxalis corniculatus),* common red raspberry (*Rubus idaeus),* spreading bentgrass (*Agrostis stolonifera)* and barnyard grass (*Echinochloa crus-galli).*

The agricultural field (Row crops- Soy Beans) community was dominated by the following species: Canada goldenrod (*Solidago canadensis),* flat topped goldenrod (*Euthamia graminifolia),* Canada thistle (*Cirsium arvensis),* multiflora rose (*Rosa multiflora),* Norwegian cinquefoil (*Potentilla norvegica),* fowl manna grass (*Glyceria striata),* multiflora rose (*Rosa multiflora),* heal all (*Prunella vulgaris),* common ragweed (*Ambrosia artemisifolia),* poison ivy (*Toxicodendron radicans),* eastern cottonwood (*Populus deltoides),* black nightshade (*Solanum nigrum),* frost aster (*Symphyotrichum pilosum),* soft rush (*Juncus effusus),* summer grape (*Vitis aestivalis),* marsh seedbox (*Ludwigia palustris),* calico aster (*Symphyotrichum lateriflorum),* heal all (large leaf plantain (*Plantago major),* white vervain (*Verbena urticifolia),* soybeans (*Glycine max),* burnweed (*Erechtites hieracifolia),* devil's beggar ticks (*Bidens frondosa),* galliant soldier (*Galinsoga quadriradiata),* silver maple (*Acer saccharinum),* poke weed (*Phytolacca americana),* common sorrel (*Oxalis corniculatus),* broom sedge (*Carex scoparia),* common red raspberry (*Rubus idaeus),* spreading bentgrass (*Agrostis stolonifera)* and barnyard grass (*Echinochloa crus-galli).*

The successional northern hardwood community was dominated by the following species: black cherry (*Prunus serotina*), northern red oak (*Quercus rubra*), white ash (*Fraxinus americana*), Tatarian honeysuckle (*Lonicera tatarica*), multiflora rose (*Rosa multiflora*), Allegheny blackberry (*Rubus allegheniensis*), garlic mustard (*Alliaria petiolata*), common red raspberry (*Rubus idaeus*), summer grape (*Vitis aestivalis*) and poison ivy (*Toxicodendron radicans*).

Wetland W1 is a 0.152± acre hardwood swamp dominated by red maple (*Acer rubrum*), eastern cottonwood (*Populus deltoides*), pussy willow (*Salix discolor*), silky dogwood (*Cornus amomum*) and common reed (*Phragmites australis*). Soils within wetland W1 are mapped as Swormville clay loam and had a topsoil color of 10YR3/1 with 5% 10YR5/8 mottles and a subsoil color of 10YR5/2 with 15% 10YR5/8 mottles. The texture is silt loam (fill material). This soil fits the NRCS F3 indicator (Depleted Matrix). Hydrology indicators present in Wetland W1 included surface water (A1), high water table (A2), saturation (A3), water marks (B1) and water-stained leaves (B9). Wetland W1 continues off-site to the east where it appears to flow into Stream 2, which flows off-site to the north and enters the Erie Canal.

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Wetland W2 is a 9.82± acre scrub-shrub swamp dominated by red maple (*Acer rubrum*), green ash (*Fraxinus pennsylvanica*), pussy willow (*Salix discolor*), silky dogwood (*Cornus amomum*), gray dogwood (*Cornus racemosa*), common buttonbush (*Cephalanthus occidentalis*), reed canarygrass (*Phalaris arundinacea*), common reed (*Phragmites australis*), fringed sedge (*Carex crinita*), broadleaf arrowhead (*Sagittaria latifolia*), fowl bluegrass (*Poa palustris*) and poison ivy (*Toxicodendron radicans*). Soils within wetland W2 are mapped as Wayland soils complex and Swormville clay loam and had a topsoil color of 10YR2/1-3/1 with 3 to 7% 10YR5/8 mottles and a subsoil color of 10YR2/1-5/2 with 7 to 10% 10YR5/8 mottles. The texture is silt loam, muck, and mucky silt loam. This soil fits the NRCS F3 (Depleted Matrix) and F6 (Redox Dark Surface) indicators. Hydrology indicators present in Wetland W2 included surface water (A1), high water table (A2), saturation (A3), water marks (B1), sediment deposits (B2), drift deposits (B3), algal mat or crust (B4), iron deposits (B5), inundation visible on aerial imagery (B7), water-stained leaves (B9), hydrogen sulfide odor (C1) and presence of reduced iron (C4). Wetland W2 is the riparian edge and floodplain to Stream 2. Wetland 2 continues off site to the west and north. Stream 2 flows off-site to the north and eventually empties into the Erie Canal. It is also EDI's professional opinion that wetland W2 is part of NYSDEC Freshwater Wetlands TE-18 and TE-19 and is subject to Article 24 regulations.

Wetland W3 is a 8.46± acre hardwood swamp and farmed wetland dominated by red maple (*Acer rubrum*), white meadowsweet (*Spiraea alba*), soft rush (*Juncus effusus),* broadleaf cattail (*Typha latifolia),* reed canary grass (*Phalaris arundinacea),* toad rush (*Juncus bufonius),* gray dogwood (*Cornus racemosa*), green ash (*Fraxinus pennsylvanica*), fringed sedge (*Carex crinita*), fowl bluegrass (*Poa palustris*), calico aster (*Symphyotrichum lateriflorum*), poison ivy (*Toxicodendron radicans*), soybeans (*Glycine max),* beaked spike rush (*Eleocharis rostellata),* and summer grape (*Vitis aestivalis*). Soils within wetland W3 are mapped as Swormville clay loam and had a topsoil colors of 10YR3/1 with 10% 10YR5/8 mottles and 10YR3/1 with 3% 10YR5/8 mottles. The subsoil had colors of 10YR5/2 with 30% 10YR5/8 mottles and 10YR6/1 with 7% 10YR5/8 mottles. The texture is silt loam and silty clay loam. This soil fits the NRCS F3 (Depleted Matrix) and F6 (Redox Dark Surface) indicators. Hydrology indicators present in Wetland W3 included saturation (A3) and water-stained leaves (B9).

Wetland W4 is a 0.012± acre wet meadow wetland dominated by reed canary grass (*Phalaris arundinacea),* soft rush (*Juncus effusus),* purple loosestrife (*Lythrum salicaria)* and Canada rush

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(*Juncus canadensis)*, red maple (*Acer rubrum*), eastern cottonwood (*Populus deltoides*), pussy willow (*Salix discolor*), silky dogwood (*Cornus amomum*) and common reed (*Phragmites australis*). Soils within wetland W4 are mapped as Swormville clay loam and had a topsoil color of 10YR6/1 with 15% 10YR5/8 mottles and a subsoil color of 7.5YR5/6 with 15% 10YR6/1 mottles. The texture is silty clay loam. This soil fits the NRCS F3 indicator (Depleted Matrix). Hydrology indicators present in Wetland W4 included water-stained leaves (B9).

Wetland W5 is a 0.101± acre shallow emergent marsh dominated by soft rush (*Juncus effusus)*, purple loosestrife (*Lythrum salicaria)*, narrow leaf cattail (*Typha angustifolia)*, sorrel (*Oxalis corniculatus)*, broom sedge (*Carex scoparia)*, Canada goldenrod (*Solidago canadensis)*, soybeans (*Glycine max)* and eastern cottonwood (*Populus deltoides*). Soils within wetland W5 are mapped as Swormville clay loam and had a topsoil color of 10YR4/1 with 15% 10YR5/8 mottles and a subsoil color of 10YR5/1 with 25% 10YR5/8 mottles. The texture is silt loam and silty clay loam. This soil fits the NRCS F3 indicator (Depleted Matrix). Hydrology indicators present in Wetland W5 included water-stained leaves (B9).

Wetland W6 is a 0.094± acre shallow emergent marsh dominated by rice cut grass (*Leersia oryzoides)*, broadleaf cattail (*Typha latifolia)*, barnyard grass (*Echinochloa crus-galli)*, purple leaf willowherb (*Epilobium coloratum)*, blue vervain (*Verbena hastata)*, marsh seed box (*Ludwigia palustris)*, fowl mannagrass (*Glyceria striata)*, soft rush (*Juncus effusus)* and soybeans (*Glycine max)*. Soils within wetland W6 are mapped as Swormville clay loam and had a topsoil color of 10YR3/1 with 5% 10YR5/8 mottles and a subsoil color of 10YR5/1 with 15% 10YR5/8 mottles. The texture is silt loam and silty clay loam. This soil fits the NRCS F3 (Depleted Matrix) and F6 (Redox Dark Surface) indicators. Hydrology indicators present in Wetland W6 included saturation (A3) and water-stained leaves (B9).

Wetland W7 is a 0.010± acre farmed wetland dominated by marsh seed box (*Ludwigia palustris)*, fowl mannagrass (*Glyceria striata)*, reed canary grass (*Phalaris arundinacea)*, devil's beggar ticks (*Bidens frondosa)*, soft rush (*Juncus effusus)*, broom sedge (*Carex scoparia)*, burn weed (*Erechtites hieracifolia)* and soybeans (*Glycine max)*. Soils within wetland W7 are mapped as Swormville clay loam and had a topsoil color of 10YR4/1 with 3% 10YR5/8 mottles and a subsoil color of 10YR6/1 with 10% 10YR5/6 mottles. The texture is silt loam and loam. This soil fits the

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NRCS F3 (Depleted Matrix) indicator. Hydrology indicators present in Wetland W7 included water-stained leaves (B9).

Wetland W8 is a 0.068± acre shallow emergent marsh dominated by broadleaf cattail (*Typha latifolia),* fowl mannagrass (*Glyceria striata),* devil's beggar ticks (*Bidens frondosa),* pussy willow (*Salix discolor),* soft rush (*Juncus effusus),* purple loosestrife (*Lythrum salicaria),* yellow rocket (*Barbarea vulgaris),* fowl bluegrass (*Poa palustris),* wool grass (*Scirpus cyperinus)* and yellow avens (*Geum aleppicum).* Soils within wetland W8 are mapped as Wayland Soils complex and had a topsoil color of 10YR4/1 with 5% 10YR5/8 mottles and a subsoil color of 10YR5/1 with 15% 10YR5/8 mottles. The texture is silt loam and silty clay loam. This soil fits the NRCS F3 (Depleted Matrix) indicator. Hydrology indicators present in Wetland W8 included surface water (A1), high water table (A2), saturation (A3) and water-stained leaves (B9).

Wetland W9 is a 0.226± acre farmed wetland dominated by broadleaf cattail (*Typha latifolia),* path rush (*Juncus tenuis),* marsh seed box (*Ludwigia palustris),* devil's beggar ticks (*Bidens frondosa),* soft rush (*Juncus effusus),* soybeans (*Glycine max)* and eastern cottonwood (*Populus deltoides*). Soils within wetland W9 are mapped as Swormville Clay loam and had a topsoil color of 10YR3/1 with 4% 10YR5/8 mottles and a subsoil color of 10YR5/1 with 10% 10YR5/8 mottles. The texture is silty clay loam. This soil fits the NRCS F3 (Depleted Matrix) indicator. Hydrology indicators present in Wetland W9 included water-stained leaves (B9).

Stream 1 is identified as an unnamed tributary to the Erie Canal and flows northerly along the eastern limits of the investigation area. Most of the stream is off-site; the on-site portions are through the right-of-way access to Crosspoint Parkway and in the northern portion of the site. This perennial channel is identified as a Class C stream by NYSDEC standards. The substrate consists of silt, and the banks have been historically maintained. Within the project area, Stream 1 is approximately 2 to 3 feet wide with an average water depth of 2 to 3 feet. The banks are steep and uniform with moderately dense shrubby vegetation along the banks.

Stream 2 is identified as an unnamed tributary to the Erie Canal and flows northerly through the investigation area. The stream enters the site via a culvert under North French Road and flows off-site via a culvert under Interstate 990. This Perennial channel is identified as a Class C stream by NYSDEC standards. The substrate consists of silt and vegetation, with moderately dense shrubby vegetation

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

along the banks. Within the project area, Stream 2 is approximately 4 to 10 feet wide with an average water depth of 1 to 4 feet. Bank height ranges from 6 inches to 2 feet, with numerous overflow areas identified.

Stream 3 is identified as an unnamed tributary to the Erie Canal and flows easterly from the western property line. This intermittent channel is not a classified stream by NYSDEC standards. The substrate consists of silt, with moderately dense shrubby and herbaceous vegetation along the banks. Within the project area, Stream 3 is approximately 6 to 8 feet wide with an average water depth of 6 to 8 inches. Stream 3 enters the site via a culvert under Interstate 990 and empties into Stream 2.

A map which depicts the site boundaries and the location of all observation points established during the field survey is included as Figure 6 in Appendix A of this report. Data forms are included as Appendix B. Appendix C includes representative photographs of the project area. Appendix D notes the references used during the preparation of this report and during the field investigation. Appendix E provides the names, addresses and phone numbers of the survey personnel involved in the wetland delineation study.

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SECTION VI: RECOMMENDATIONS

Nine (9) wetland areas and three (3) streams were identified during the course of a field investigation based upon the three parameter technique (vegetation, soils, and hydrology) outlined in the Corps Manual and Northcentral and Northeast Regional Supplement. It is also EDI's opinion that wetland W2 is part of Freshwater Wetlands TE-18 and TE-19 and is regulated by NYSDEC under Article 24 of the New York Conservation Law. USACE and NYSDEC approach their regulatory analyses by first considering avoidance of wetlands and minimization of wetland losses. EDI recommends the following:

(1) Submit this report to USACE and NYSDEC with a request for a wetland boundary confirmation and jurisdictional determination.

(2) If no impacts are proposed to federal or state regulated wetlands, state regulated 100-foot adjacent area or regulated streams based on the outcome of the jurisdictional determination, it is the professional opinion of EDI that the project may proceed without the need for Section 404 or Article 24 Permits.

(3) If any NYSDEC regulated upland adjacent area or federal or state jurisdictional wetland or stream impacts are proposed, it is EDI’s recommendation that a Joint Application for Permit and supporting documentation be submitted to the USACE and NYSDEC with a request for a Section 404 Permit, Section 401 Water Quality Certification and/or an Article 24 Permit.

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APPENDIX A - FIGURES

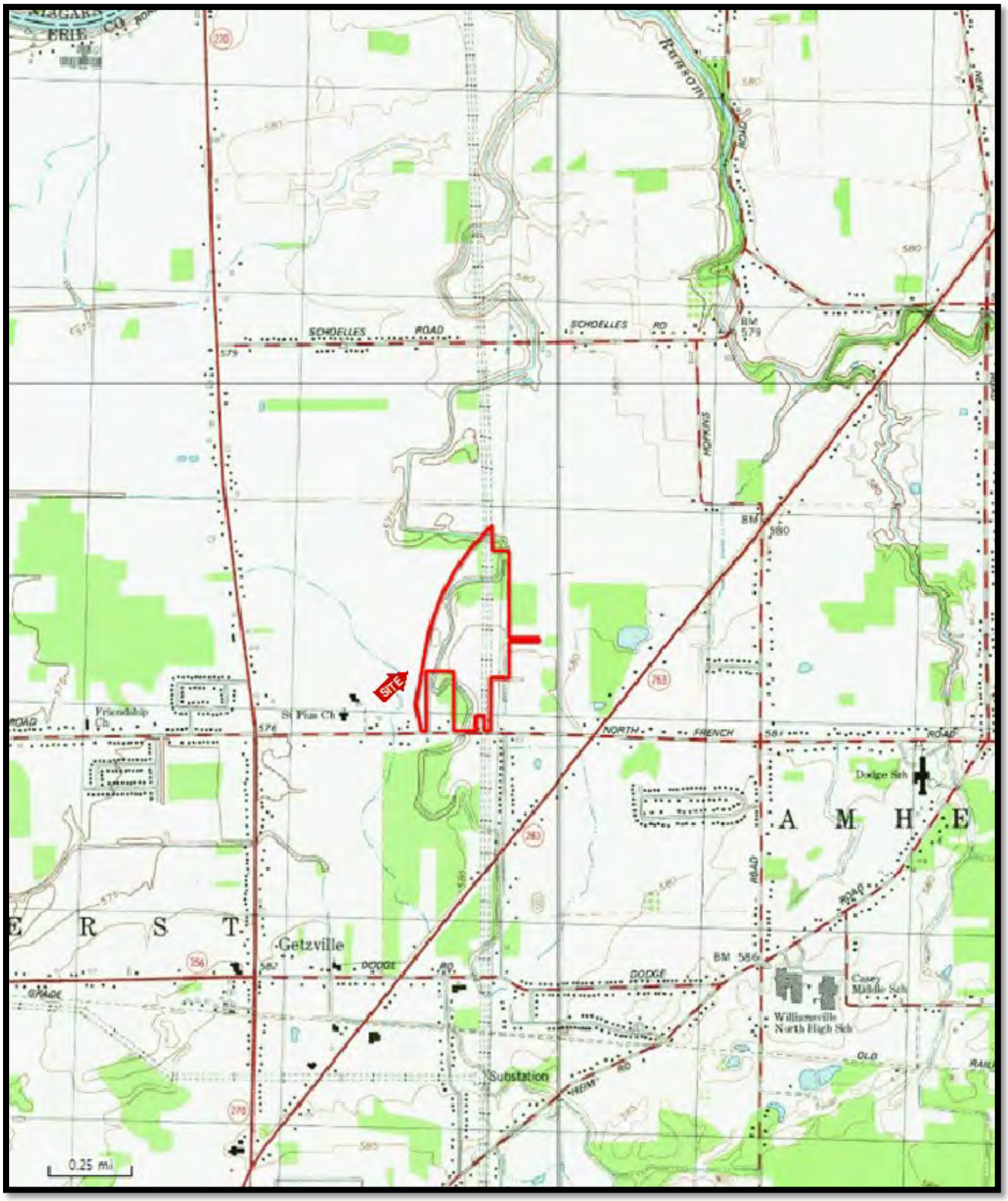

FIGURE 1: USGS 7.5 MINUTE TOPOGRAPHICAL MAP

Tonawanda East Quadrangle / U.S. Geological Survey

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Town of Amherst, Erie County, New York

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FIGURE 2: NATIONAL WETLANDS INVENTORY MAP

http://www.fws.gov/wetlands/data/mapper.HTML (Visited 4/13/23)

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FIGURE 3: NRCS SOIL SURVEY MAP

http://websoilsurvey.sc.egov.usda.gov/App/WebSoilSurvey.aspx (Visited 4/13/23)

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Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

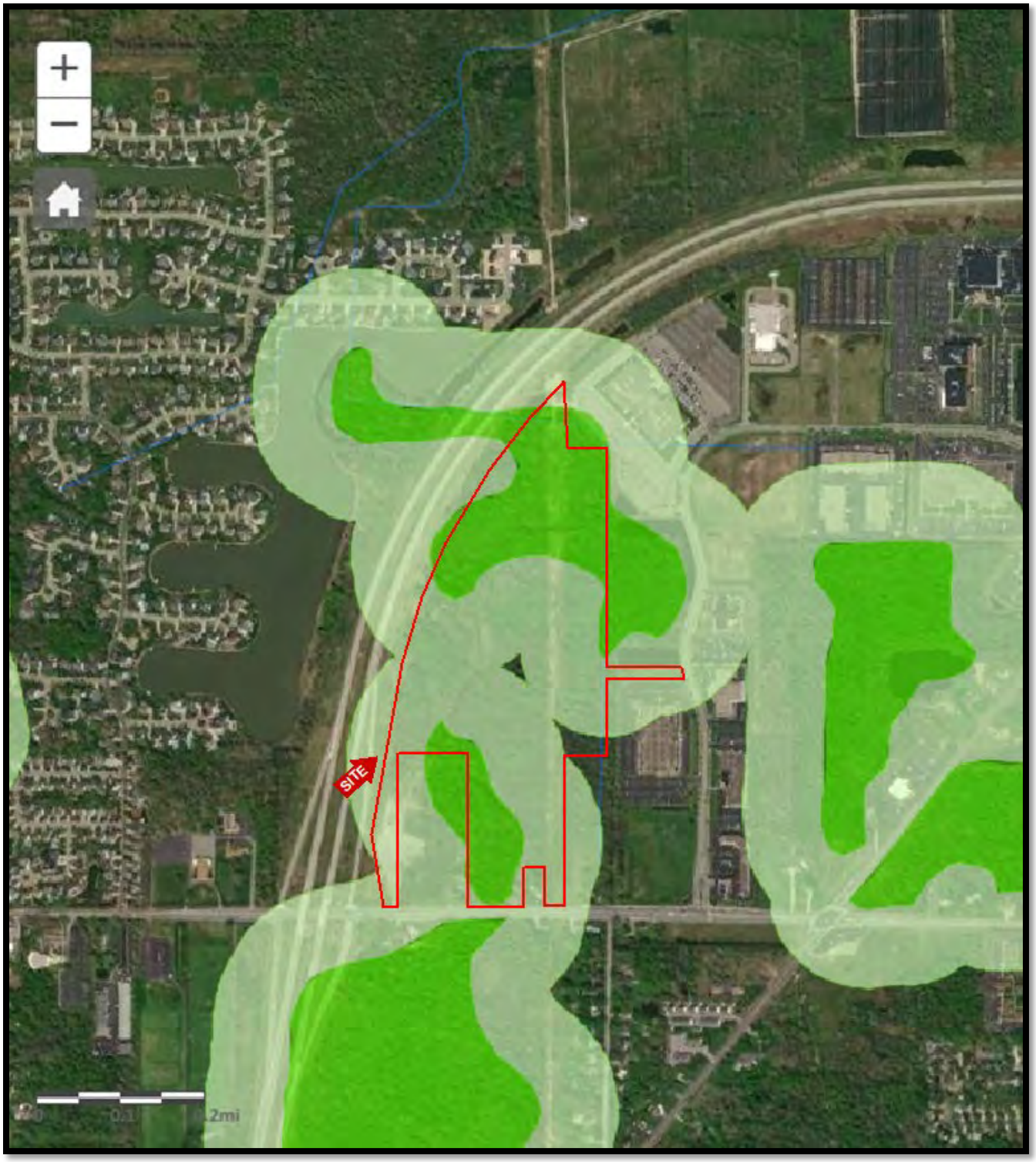

FIGURE 4: NYSDEC ENVIRONMENTAL RESOURCE MAPPER

https://gisservices.dec.ny.gov/gis/erm/ (Visited 4/13/23)

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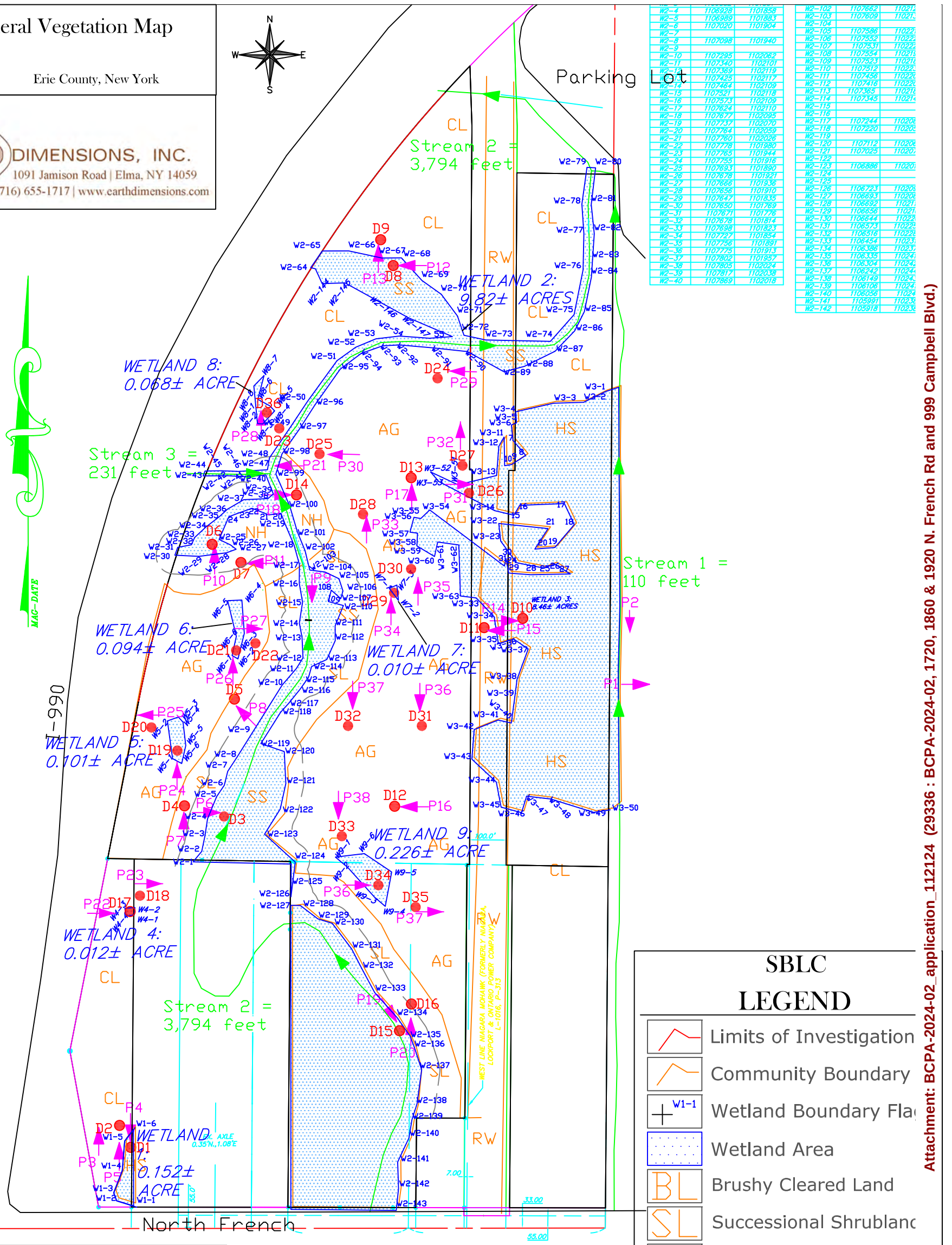
Figure 5 - General Vegetation Map

Town of Amherst Erie County, New York

EARTH DIMENSIONS, INC.
1091 Jamison Road | Elma, NY 14059
(716) 655-1717 | www.earthdimensions.com



Scale: 0 200′ 400′
Map Date: August 26, 2024 JMC/EDI Revised:
Base Map Provided By: Trimble Geo 7X
File Name: Delineation Map.dwg
EDI Project Code: W23E07a

SBLC LEGEND

- Limits of Investigation
- Community Boundary
- W1-1 Wetland Boundary Fla
- Wetland Area
- BL Brushy Cleared Land
- SL Successional Shrublanc
- NH Successional N. Hardwo
- RW Right-of-Way
- SS Scrub-shrub
- HS Hardwood Swamp
- AG Agricultural Field

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

Figure 6 - Wetland Delineation Map

Town of Amherst Erie County, New York

EARTH DIMENSIONS, INC.
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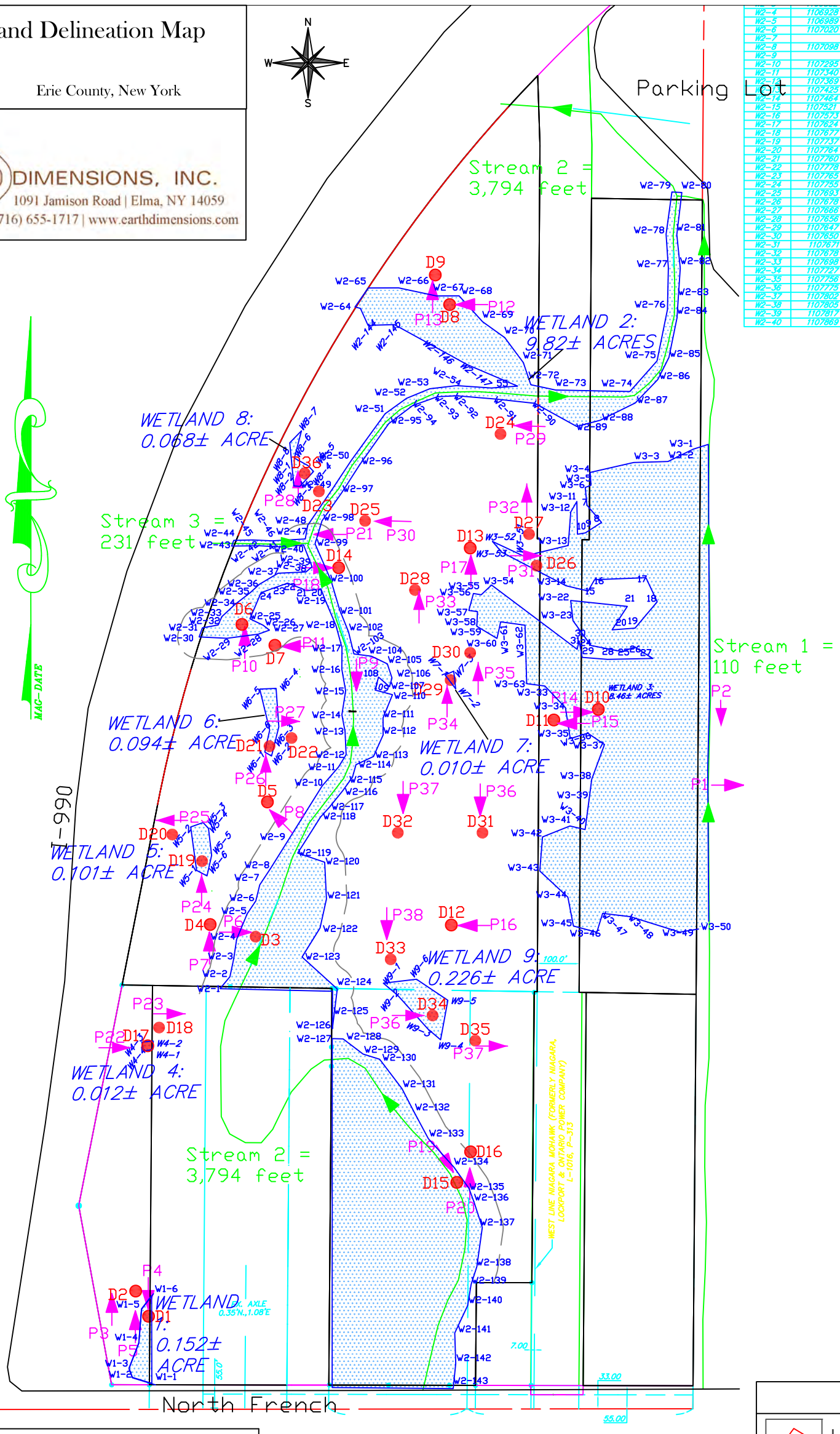
(716) 655-1717 | www.earthdimensions.com



W2-4	1106928	1101858
W2-5	1106989	1101883
W2-6	1107020	1101904
W2-7		
W2-8	1107098	1101940
W2-9		
W2-10	1107295	1102062
W2-11	1107340	1102101
W2-12	1107369	1102119
W2-13	1107425	1102117
W2-14	1107464	1102109
W2-15	1107521	1102118
W2-16	1107573	1102109
W2-17	1107624	1102110
W2-18	1107677	1102095
W2-19	1107737	1102070
W2-20	1107764	1102059
W2-21	1107760	1102026
W2-22	1107778	1101980
W2-23	1107765	1101944
W2-24	1107755	1101916
W2-25	1107693	1101890
W2-26	1107678	1101921
W2-27	1107666	1101936
W2-28	1107656	1101910
W2-29	1107647	1101835
W2-30	1107650	1101769
W2-31	1107671	1101776
W2-32	1107678	1101814
W2-33	1107698	1101823
W2-34	1107727	1101854
W2-35	1107756	1101891
W2-36	1107775	1101913
W2-37	1107802	1101957
W2-38	1107805	1102024
W2-39	1107817	1102038
W2-40	1107869	1102018

W2-102	1107662	110
W2-103	1107609	110
W2-104		
W2-105	1107586	110
W2-106	1107552	110
W2-107	1107531	110
W2-108	1107554	110
W2-109	1107523	110
W2-110	1107512	110
W2-111	1107456	110
W2-112	1107416	110
W2-113	1107365	110
W2-114	1107345	110
W2-115		
W2-116		
W2-117	1107244	110
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W2-142	1105918	110

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Map Date: AUGUST 21, 2024 JMC/EDI Revised:	
Base Map Provided By: Trimble Geo 7X	
File Name: Delineation Map.dwg	
EDI Project Code: W23E07a	

SBLC LEGEND

- Limits of Investigation
- Streams
- W1-1 Wetland Boundary Fla
- Wetland Area
- P1 Photo Location
- D1 Data Point Location

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

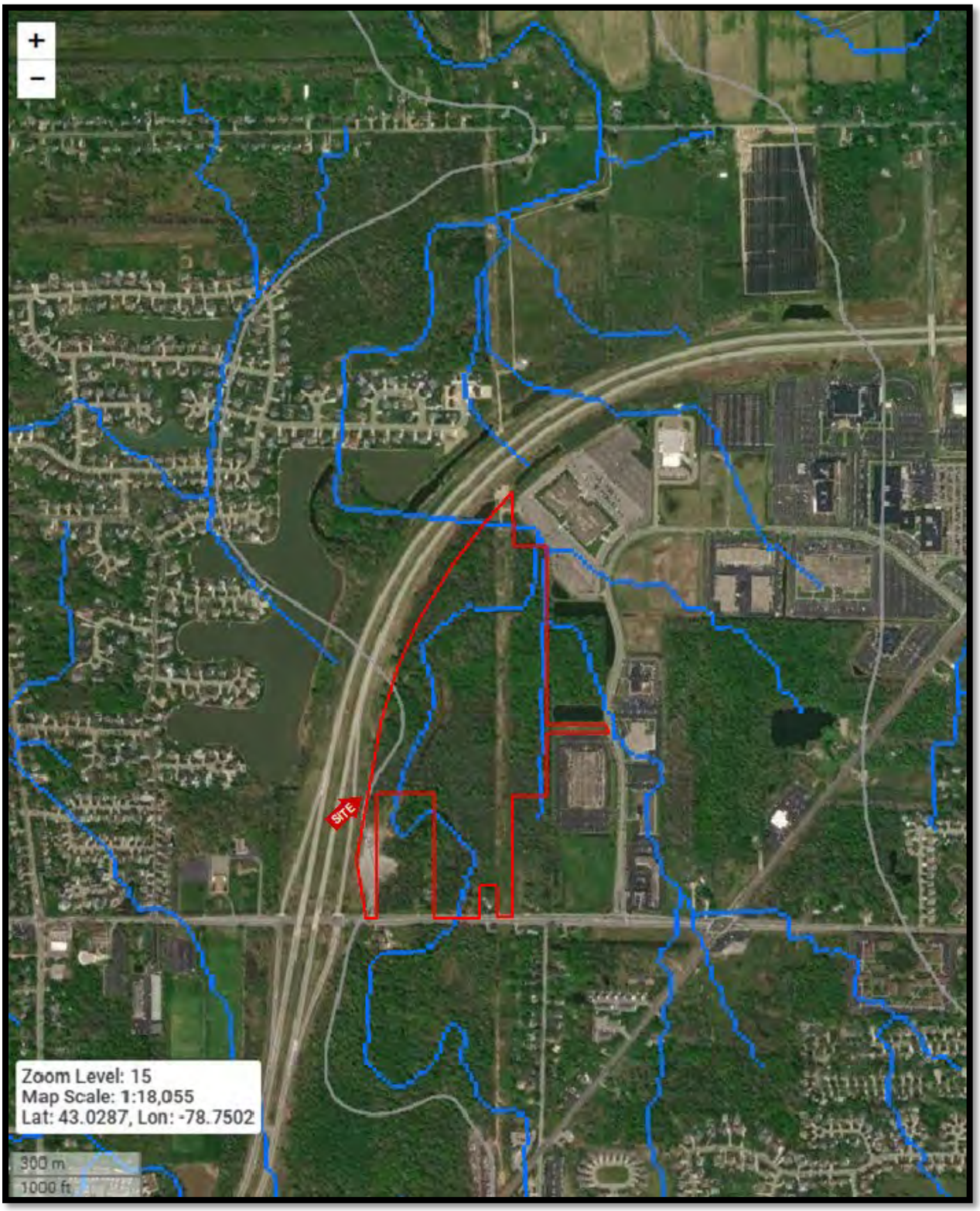

FIGURE 7: DRAINAGE MAP

https://streamstats.usgs.gov/ss/ (Visited 4/13/23)

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Town of Amherst, Erie County, New York

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

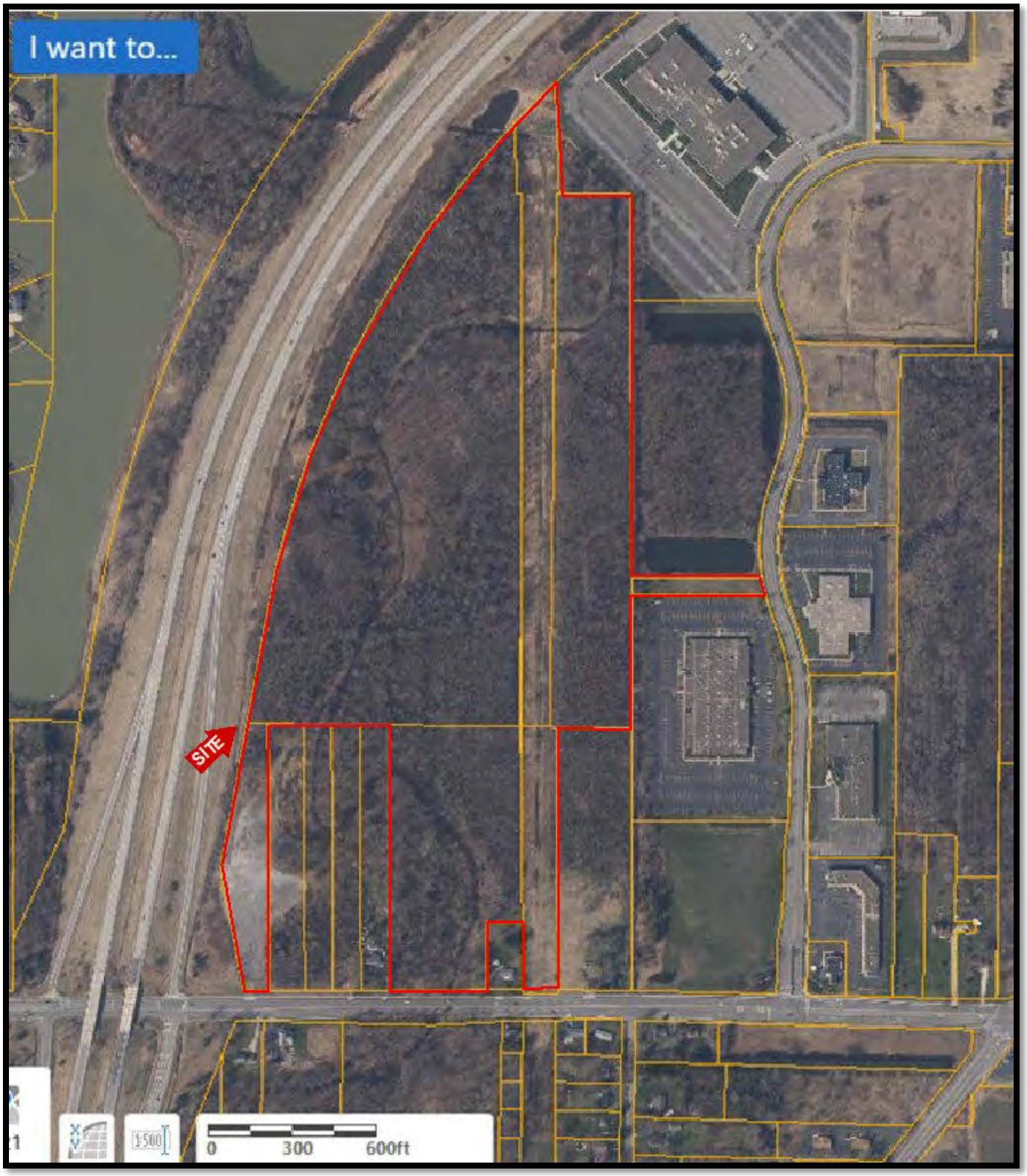

FIGURE 8: SITE AERIAL PHOTOGRAPH

https://gis.erie.gov/Html5Viewer133/index.html?viewer=ErieCountyNY.HTML5_2_11_0

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Town of Amherst, Erie County, New York

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

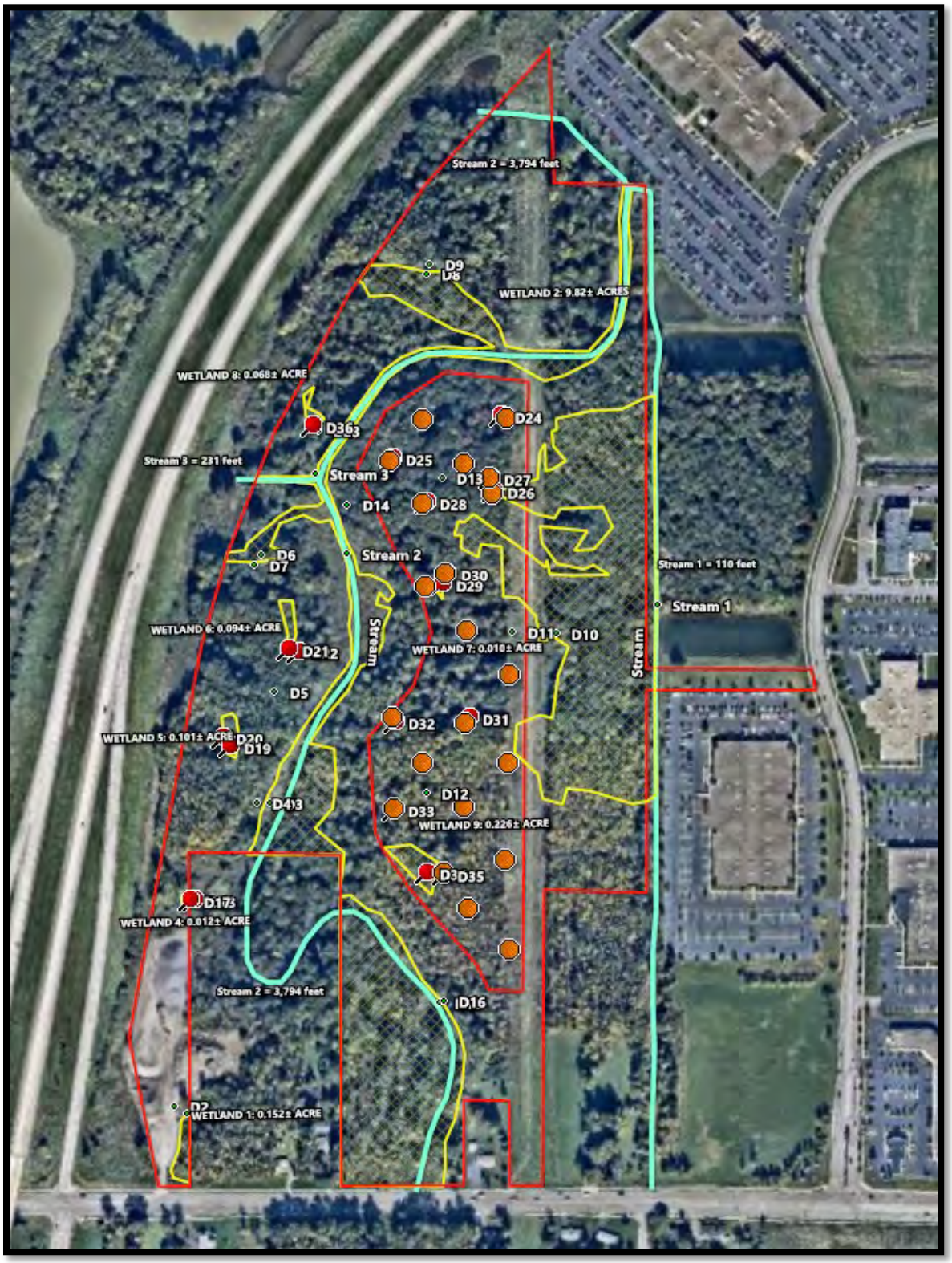

FIGURE 9: AERIAL PHOTO WITH WETLANDS

https://earth.google.com/web/

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Town of Clarence, Erie County, New York

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

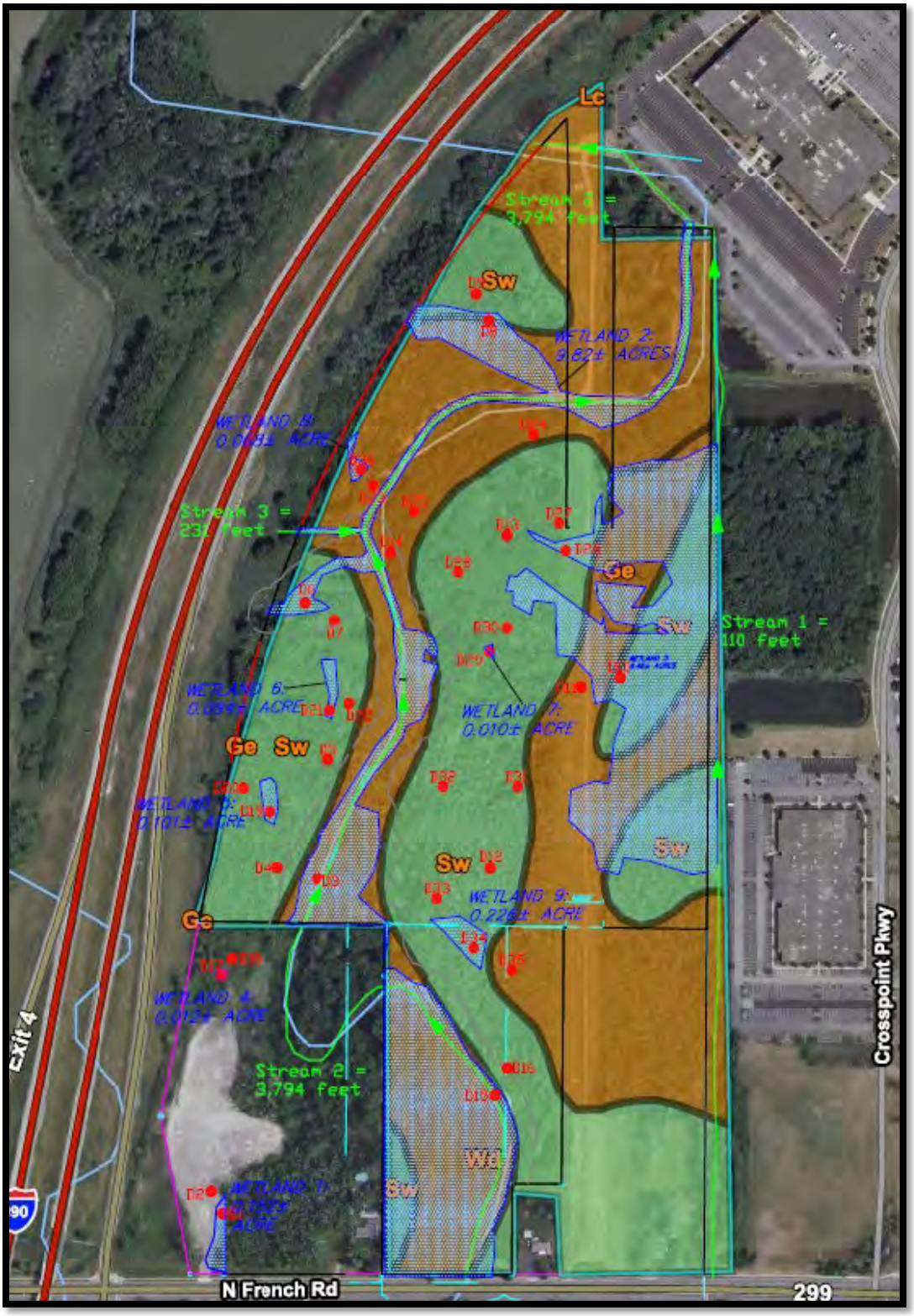

FIGURE 10: SOIL MAP WITH WETLANDS

https://earth.google.com/web/

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Town of Clarence, Erie County, New York

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

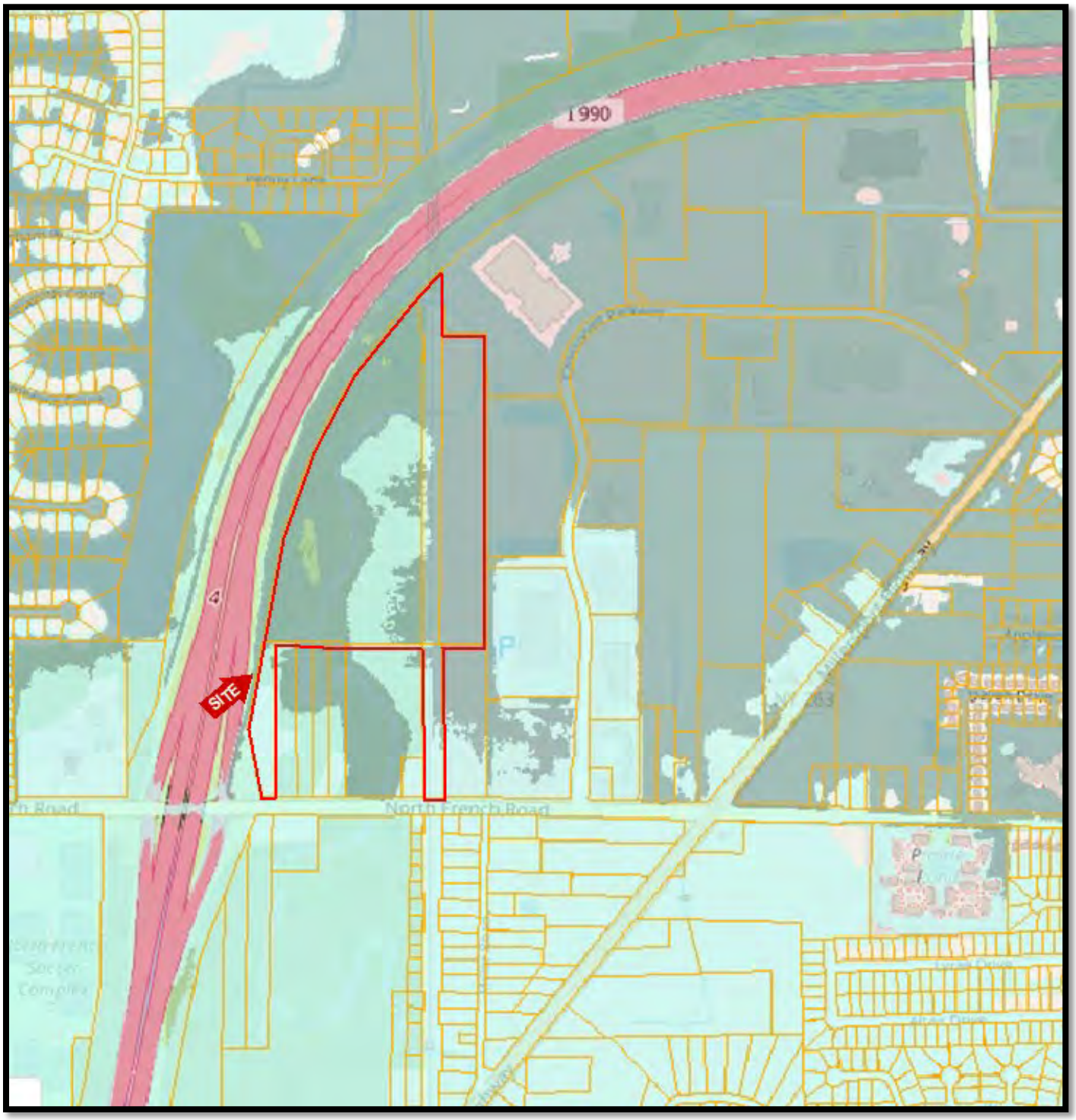

FIGURE 11: FEMA FLOODPLAIN MAP

https://hazards-fema.maps.arcgis.com/apps/webappviewer/index.html?id=8b0adb51996444d4879338b5529aa9cd

(Visited 4/13/23)

SBLC

Town of Amherst, Erie County, New York

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

SBLC

APPENDIX B – DATA SHEETS

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

Project Code: W23E07a

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: SBLC – 999 Campbell Blvd & 1860 & 1920 N. French Road Town/County: Amherst/Erie County Sampling Date: April 11, 2023

Applicant/Owner: Cimato Enterprises State: New York Sampling Point: D1

Investigator(s): Scott Livingstone & Tom Somerville Section, Township, Range: 27.00-2-29; 27.04-1-20 & 27.04-1-16.1

Landform (hillslope, terrace, etc.): Depression Local relief (concave, convex, none): CONCAVE Slope (%): 0

Subregion (LRR or MLRA) LRRL Lat: 43.03551° N Long: -78.75778° W Datum: NAD83

Soil Map Unit Name: SWORMVILLE CLAY LOAM NWI classification: PFO

Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No ____ (If no, explain in Remarks.)

Are Vegetation ____, Soil ____, or Hydrology ____ significantly disturbed? Are "Normal Circumstances" present? Yes X No ____

Are Vegetation ____, Soil ____, or Hydrology ____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS : Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes X	No ____	**Is the Sampled Area within a Wetland?** Yes X No ____
Hydric Soil Present?	Yes X	No ____	
Wetland Hydrology Present?	Yes X	No ____	If yes, optional Wetland Site ID: W1

Remarks: (Explain alternative procedures here or in a separate report.)

• W1-1 → W1-6 (OPEN)

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- X Surface Water (A1)
- X High Water Table (A2)
- X Saturation (A3)
- X Water Marks (B1)
- ___ Sediment Deposits (B2)
- ___ Drift Deposits (B3)
- ___ Algal Mat or Crust (B4)
- ___ Iron Deposits (B5)
- ___ Inundation Visible on Aerial Imagery (B7)
- ___ Sparsely Vegetated Concave Surface (B8)
- X Water-Stained Leaves (B9)
- ___ Aquatic Fauna (B13)
- ___ Marl Deposits (B15)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres on Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ___ Surface Soil Cracks (B6)
- ___ Drainage Patterns (B10)
- ___ Moss Trim Lines (B16)
- ___ Dry-Season Water Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Stunted or Stressed Plants (D1)
- ___ Geomorphic Position (D2)
- ___ Shallow Aquitard (D3)
- ___ Microtopographic Relief (D4)
- ___ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present?	Yes X	No ____	Depth (inches): 6"
Water Table Present?	Yes X	No ____	Depth (inches): INUNDATED
Saturation Present? (includes capillary fringe)	Yes X	No ____	Depth (inches): INUNDATED

Wetland Hydrology Present? Yes X No ____

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

Project Code: W23E07a

VEGETATION : Use scientific names of plants. Sampling Point: D1

Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status
1. Acer rubrum	40	Y	FAC
2. Populus deltoides	20	Y	FAC
3.			
4.			
5.			
6.			
7.			
	60	= Total Cover	

Sapling/Shrub Stratum (Plot size: 15')			
1. Salix discolor	30	Y	FACW
2. Cornus amomum	12	Y	FACW
3. Populus deltoides	10	N	FAC
4. Cornus serilea	5	N	FACW
5.			
6.			
7.			
	57	= Total Cover	

Herb Stratum (Plot size: 5')			
1. Phragmites australis	18	Y	FACW
2.			
3.			
4.			
5.			
6.			
7.			
8.			
9.			
10.			
11.			
12.			
	18	= Total Cover	

Woody Vine Stratum (Plot size: 30')			
1.			
2.			
3.			
4.			
		= Total Cover	

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 5 (A)

Total Number of Dominant Species Across All Strata: 5 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 100% (A/B)

Prevalence Index worksheet:

Total % Cover of:	Multiply by:
OBL species	x 1 =
FACW species	x 2 =
FAC species	x 3 =
FACU species	x 4 =
UPL species	x 5 =
Column Totals: (A)	(B)

Prevalence Index = B/A =

Hydrophytic Vegetation Indicators:

- ___ 1 - Rapid Test for Hydrophytic Vegetation
- X 2 - Dominance Test is >50%
- ___ 3 - Prevalence Index is < 3.0[1]
- ___ 4 - Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)
- ___ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Definitions of Vegetation Strata:

Tree - Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft (1 m) tall.

Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vines - All woody vines greater than 3.28 ft in height.

Community Type: Hardwood Swamp PFO2B

Hydrophytic Vegetation Present? Yes X No ___

Remarks: (Include photo numbers here or on a separate sheet.)

Photo # P4 **Direction of Photo** South

- alot of dead ash

Wetland W1

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

SOIL

Sampling Point: D1

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-2	10YR3/1	95	10YR5/8	5	C	M	S; L	F.11
2-7	10YR5/2	85	10YR5/6	15	C	M	S; L+	F.11

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Dark Surface (S7) **(LRR R, MLRA 149B)**
- ___ Polyvalue Below Surface (S8) **(LRR R, MLRA 149B)**
- ___ Thin Dark Surface (S9) **(LRR R, MLRA 149B)**
- ___ Loamy Mucky Mineral (F1) **(LRR K, L)**
- ___ Loamy Gleyed Matrix (F2)
- X Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ___ 2 cm Muck (A10) **(LRR K, L, MLRA 149B)**
- ___ Coast Prairie Redox (A16) **(LRR K, L, R)**
- ___ 5 cm Mucky Peat or Peat (S3) **(LRR K, L, R)**
- ___ Dark Surface (S7) **(LRR K, L, M)**
- ___ Polyvalue Below Surface (S8) **(LRR K, L)**
- ___ Thin Dark Surface (S9) **(LRR K, L)**
- ___ Iron-Manganese Masses (F12) **(LRR K, L, R)**
- ___ Piedmont Floodplain Soils (F19) **(MLRA 149B)**
- ___ Mesic Spodic (TA6) **(MLRA 144A, 145, 149B)**
- ___ Red Parent Material (TF2)
- ___ Very Shallow Dark Surface (TF12)
- ___ Other (Explain in Remarks)

[3] Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: HARD FILL

Depth (inches): 7"

Hydric Soil Present? Yes X No ___

Remarks:

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

Project Code: W23E07a

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: SBLC – 999 Campbell Blvd & 1860 & 1920 N. French Road Town/County: Amherst/Erie County Sampling Date: April 11, 2023

Applicant/Owner: Cimato Enterprises State: New York Sampling Point: DZ

Investigator(s): Scott Livingstone & Tom Somerville Section, Township, Range: 27.00-2-29; 27.04-1-20 & 27.04-1-16.1

Landform (hillslope, terrace, etc.): FILL PAD Local relief (concave, convex, none): NONE Slope (%): 2

Subregion (LRR or MLRA) LRRL Lat: 43.03557°N Long: -78.75792°W Datum: NAD83

Soil Map Unit Name: SWORMVILLE CLAY LOAM NW I classification: N/A

Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No ____ (If no, explain in Remarks.)

Are Vegetation X, Soil X, or Hydrology X significantly disturbed? Are "Normal Circumstances" present? Yes X No ___

Are Vegetation ____, Soil ____, or Hydrology ____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS : Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes ____	No X	**Is the Sampled Area within a Wetland?** Yes ____ No X
Hydric Soil Present?	Yes ____	No X	
Wetland Hydrology Present?	Yes ____	No X	If yes, optional Wetland Site ID: N/A

Remarks: (Explain alternative procedures here or in a separate report.)

GRAVEL STAGING AREA

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ___ Surface Water (A1)
- ___ High Water Table (A2)
- ___ Saturation (A3)
- ___ Water Marks (B1)
- ___ Sediment Deposits (B2)
- ___ Drift Deposits (B3)
- ___ Algal Mat or Crust (B4)
- ___ Iron Deposits (B5)
- ___ Inundation Visible on Aerial Imagery (B7)
- ___ Sparsely Vegetated Concave Surface (B8)
- ___ Water-Stained Leaves (B9)
- ___ Aquatic Fauna (B13)
- ___ Marl Deposits (B15)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres on Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ___ Surface Soil Cracks (B6)
- ___ Drainage Patterns (B10)
- ___ Moss Trim Lines (B16)
- ___ Dry-Season W ater Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Stunted or Stressed Plants (D1)
- ___ Geomorphic Position (D2)
- ___ Shallow Aquitard (D3)
- ___ Microtopographic Relief (D4)
- ___ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present?	Yes ____	No X	Depth (inches): N/A
Water Table Present?	Yes ____	No X	Depth (inches): N/A
Saturation Present? (includes capillary fringe)	Yes ____	No X	Depth (inches): N/A

Wetland Hydrology Present? Yes ____ No X

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

Project Code: W23E07a

VEGETATION : Use scientific names of plants. Sampling Point: D2

Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status
1. N/A			
2.			
3.			
4.			
5.			
6.			
7.			
	0 = Total Cover		

Sapling/Shrub Stratum (Plot size: 15')			
1. N/A			
2.			
3.			
4.			
5.			
6.			
7.			
	0 = Total Cover		

Herb Stratum (Plot size: 5')			
1. N/A			
2.			
3.			
4.			
5.			
6.			
7.			
8.			
9.			
10.			
11.			
12.			
	0 = Total Cover		

Woody Vine Stratum (Plot size: 30')			
1. N/A			
2.			
3.			
4.			
	0 = Total Cover		

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 0 (A)

Total Number of Dominant Species Across All Strata: 0 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 0 (A/B)

Prevalence Index worksheet:

Total % Cover of:	Multiply by:
OBL species	x 1 =
FACW species	x 2 =
FAC species	x 3 =
FACU species	x 4 =
UPL species	x 5 =
Column Totals: (A)	(B)

Prevalence Index = B/A = 0

Hydrophytic Vegetation Indicators:

__ 1 - Rapid Test for Hydrophytic Vegetation

__ 2 - Dominance Test is >50%

__ 3 - Prevalence Index is < 3.0[1]

__ 4 - Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)

__ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Definitions of Vegetation Strata:

Tree - Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft (1 m) tall.

Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vines - All woody vines greater than 3.28 ft in height.

Community Type: Brushy Cleared Land

Hydrophytic Vegetation Present? Yes ____ No X

Remarks: (Include photo numbers here or on a separate sheet.)

Photo # PS **Direction of Photo** North

- brush-hogged & clear cut, no vegetation

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

Project Code: W23E07a

SOIL

Sampling Point: D2

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
N/A								GRAVEL FILL PAD

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Dark Surface (S7) **(LRR R, MLRA 149B)**
- ___ Polyvalue Below Surface (S8) **(LRR R, MLRA 149B)**
- ___ Thin Dark Surface (S9) **(LRR R, MLRA 149B)**
- ___ Loamy Mucky Mineral (F1) **(LRR K, L)**
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ___ 2 cm Muck (A10) **(LRR K, L, MLRA 149B)**
- ___ Coast Prairie Redox (A16) **(LRR K, L, R)**
- ___ 5 cm Mucky Peat or Peat (S3) **(LRR K, L, R)**
- ___ Dark Surface (S7) **(LRR K, L, M)**
- ___ Polyvalue Below Surface (S8) **(LRR K, L)**
- ___ Thin Dark Surface (S9) **(LRR K, L)**
- ___ Iron-Manganese Masses (F12) **(LRR K, L, R)**
- ___ Piedmont Floodplain Soils (F19) **(MLRA 149B)**
- ___ Mesic Spodic (TA6) **(MLRA 144A, 145, 149B)**
- ___ Red Parent Material (TF2)
- ___ Very Shallow Dark Surface (TF12)
- ___ Other (Explain in Remarks)

[3] Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: FILL PAD

Depth (inches): SURFACE

Hydric Soil Present? Yes ____ No X

Remarks:

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

Project Code: W23E07a

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: SBLC – 999 Campbell Blvd & 1860 & 1920 N. French Road Town/County: Amherst/Erie County Sampling Date: April 11, 2023

Applicant/Owner: Cimato Enterprises State: New York Sampling Point: D3

Investigator(s): Scott Livingstone & Tom Somerville Section, Township, Range: 27.00-2-29; 27.04-1-20 & 27.04-1-16.1

Landform (hillslope, terrace, etc.): Depression Local relief (concave, convex, none): CONCAVE Slope (%): <1

Subregion (LRR or MLRA) LRRL Lat: 43.03794°N Long: -78.75691°W Datum: NAD83

Soil Map Unit Name: WAYLAND SOILS COMPLEX, 0-3% SLOPES NWI classification: PSS

Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No ____ (If no, explain in Remarks.)

Are Vegetation ____, Soil ____, or Hydrology ____ significantly disturbed? Are "Normal Circumstances" present? Yes X No ____

Are Vegetation ____, Soil ____, or Hydrology ____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS : Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes X No ____	**Is the Sampled Area within a Wetland?**	Yes X No ____
Hydric Soil Present?	Yes X No ____		
Wetland Hydrology Present?	Yes X No ____	If yes, optional Wetland Site ID:	W2

Remarks: (Explain alternative procedures here or in a separate report.)

• W2-1 → W2-143 (OPEN)

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- X Surface Water (A1)
- X High Water Table (A2)
- X Saturation (A3)
- X Water Marks (B1)
- X Sediment Deposits (B2)
- X Drift Deposits (B3)
- X Algal Mat or Crust (B4)
- ___ Iron Deposits (B5)
- X Inundation Visible on Aerial Imagery (B7)
- ___ Sparsely Vegetated Concave Surface (B8)
- X Water-Stained Leaves (B9)
- ___ Aquatic Fauna (B13)
- ___ Marl Deposits (B15)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres on Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ___ Surface Soil Cracks (B6)
- ___ Drainage Patterns (B10)
- ___ Moss Trim Lines (B16)
- ___ Dry-Season W ater Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Stunted or Stressed Plants (D1)
- ___ Geomorphic Position (D2)
- ___ Shallow Aquitard (D3)
- ___ Microtopographic Relief (D4)
- ___ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present?	Yes X No ____	Depth (inches):	6+"
Water Table Present?	Yes X No ____	Depth (inches):	INUNDATED
Saturation Present? (includes capillary fringe)	Yes X No ____	Depth (inches):	INUNDATED

Wetland Hydrology Present? Yes X No ____

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

Project Code: W23E07a

VEGETATION : Use scientific names of plants. Sampling Point: D3

Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status
1. Acer rubrum	10	Y	FAC
2.			
3.			
4.			
5.			
6.			
7.			
	10 = Total Cover		

Sapling/Shrub Stratum (Plot size: 15')			
1. Cephalanthus occidentalis	60	Y	OBL
2. Salix discolor	10	N	FACW
3.			
4.			
5.			
6.			
7.			
	70 = Total Cover		

Herb Stratum (Plot size: 5')			
1. Phalaris arundinacea	15	Y	FACW
2. Poa palustris	12	Y	FACW
3. Juncus effusus	8	N	OBL
4. Lythrum Salicaria	5	N	FACW
5. Scirpus cyperinus	3	N	OBL
6.			
7.			
8.			
9.			
10.			
11.			
12.			
	43 = Total Cover		

Woody Vine Stratum (Plot size: 30')			
1.			
2.			
3.			
4.			
	= Total Cover		

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 4 (A)

Total Number of Dominant Species Across All Strata: 4 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 100% (A/B)

Prevalence Index worksheet:

Total % Cover of:	Multiply by:
OBL species	x 1 =
FACW species	x 2 =
FAC species	x 3 =
FACU species	x 4 =
UPL species	x 5 =
Column Totals: (A)	(B)

Prevalence Index = B/A =

Hydrophytic Vegetation Indicators:

- ___ 1 - Rapid Test for Hydrophytic Vegetation
- X 2 - Dominance Test is >50%
- ___ 3 - Prevalence Index is < 3.0[1]
- ___ 4 - Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)
- ___ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Definitions of Vegetation Strata:

Tree - Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft (1 m) tall.

Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vines - All woody vines greater than 3.28 ft in height.

Community Type: Scrub-Shrub Swamp PSSZE

Hydrophytic Vegetation Present? Yes X No ___

Remarks: (Include photo numbers here or on a separate sheet.)

Photo # P6 **Direction of Photo** East

- Perennial Stream present

- Wetland W2

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

Project Code: W23E07a

SOIL Sampling Point: D3

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-8	10YR2/1	97	10YR5/8	3	C	M	MUCK	
8-20	10YR2/1	93	10YR5/8	7	C	M	MUCKY SAND	

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- X Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Dark Surface (S7) **(LRR R, MLRA 149B)**
- ___ Polyvalue Below Surface (S8) **(LRR R, MLRA 149B)**
- ___ Thin Dark Surface (S9) **(LRR R, MLRA 149B)**
- ___ Loamy Mucky Mineral (F1) **(LRR K, L)**
- ___ Loamy Gleyed Matrix (F2)
- X Depleted Matrix (F3)
- X Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ___ 2 cm Muck (A10) **(LRR K, L, MLRA 149B)**
- ___ Coast Prairie Redox (A16) **(LRR K, L, R)**
- ___ 5 cm Mucky Peat or Peat (S3) **(LRR K, L, R)**
- ___ Dark Surface (S7) **(LRR K, L, M)**
- ___ Polyvalue Below Surface (S8) **(LRR K, L)**
- ___ Thin Dark Surface (S9) **(LRR K, L)**
- ___ Iron-Manganese Masses (F12) **(LRR K, L, R)**
- ___ Piedmont Floodplain Soils (F19) **(MLRA 149B)**
- ___ Mesic Spodic (TA6) **(MLRA 144A, 145, 149B)**
- ___ Red Parent Material (TF2)
- ___ Very Shallow Dark Surface (TF12)
- ___ Other (Explain in Remarks)

[3] Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: NONE

Depth (inches): N/A

Hydric Soil Present? Yes X No ___

Remarks:

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

Project Code: W23E07a

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: SBLC – 999 Campbell Blvd & 1860 & 1920 N. French Road Town/County: Amherst/Erie County Sampling Date: April 11, 2023

Applicant/Owner: Cimato Enterprises State: New York Sampling Point: D4

Investigator(s): Scott Livingstone & Tom Somerville Section, Township, Range: 27.00-2-29; 27.04-1-20 & 27.04-1-16.1

Landform (hillslope, terrace, etc.): RIDGE Local relief (concave, convex, none): CONVEX Slope (%): 3

Subregion (LRR or MLRA) LRRL Lat: 43.03974°N Long: -78.75704°W Datum: NAD83

Soil Map Unit Name: SCHORMVILLE CLAY LOAM NWI classification: N/A

Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No ____ (If no, explain in Remarks.)

Are Vegetation ____, Soil ____, or Hydrology ____ significantly disturbed? Are "Normal Circumstances" present? Yes X No ____

Are Vegetation ____, Soil ____, or Hydrology ____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS : Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes ____	No X	**Is the Sampled Area within a Wetland?** Yes ____ No X
Hydric Soil Present?	Yes ____	No X	
Wetland Hydrology Present?	Yes ____	No X	If yes, optional Wetland Site ID: N/A

Remarks: (Explain alternative procedures here or in a separate report.)

UPLAND SCRUB/SHRUB COMMUNITY

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ___ Surface Water (A1)
- ___ High Water Table (A2)
- ___ Saturation (A3)
- ___ Water Marks (B1)
- ___ Sediment Deposits (B2)
- ___ Drift Deposits (B3)
- ___ Algal Mat or Crust (B4)
- ___ Iron Deposits (B5)
- ___ Inundation Visible on Aerial Imagery (B7)
- ___ Sparsely Vegetated Concave Surface (B8)
- ___ Water-Stained Leaves (B9)
- ___ Aquatic Fauna (B13)
- ___ Marl Deposits (B15)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres on Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ___ Surface Soil Cracks (B6)
- ___ Drainage Patterns (B10)
- ___ Moss Trim Lines (B16)
- ___ Dry-Season W ater Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Stunted or Stressed Plants (D1)
- ___ Geomorphic Position (D2)
- ___ Shallow Aquitard (D3)
- ___ Microtopographic Relief (D4)
- ___ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present?	Yes ____	No X	Depth (inches): N/A
Water Table Present?	Yes ____	No X	Depth (inches): N/A
Saturation Present? (includes capillary fringe)	Yes ____	No X	Depth (inches): N/A

Wetland Hydrology Present? Yes ____ No X

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

Project Code: W23E07a

VEGETATION : Use scientific names of plants. Sampling Point: D4

Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status
1.			
2.			
3.			
4.			
5.			
6.			
7.			
	= Total Cover		

Sapling/Shrub Stratum (Plot size: 15')			
1. Lonicera tatarica	40	Y	FACU
2. Rosa multiflora	35	Y	FACU
3. Cornus racemosa	10	N	FAC
4.			
5.			
6.			
7.			
	85 = Total Cover		

Herb Stratum (Plot size: 5')			
1. Poa compressa	18	Y	FACU
2. Solidago canadensis	12	Y	FACU
3. Alliaria petiolata	10	Y	FACU
4. Rubus allegheniensis	10	Y	FACU
5. Rubus idaeus	9	N	FACU
6. Daucus carota	6	N	FACU
7. Brassica nigra	3	N	NI
8.			
9.			
10.			
11.			
12.			
	68 = Total Cover		

Woody Vine Stratum (Plot size: 30')			
1. Vitis aestivalis	30	Y	FACU
2.			
3.			
4.			
	30 = Total Cover		

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 0 (A)

Total Number of Dominant Species Across All Strata: 7 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 0% (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	-	x 1 =	-
FACW species	-	x 2 =	-
FAC species	10	x 3 =	30
FACU species	170	x 4 =	680
UPL species	-	x 5 =	-
Column Totals:	183 (A)		710 (B)

Prevalence Index = B/A = 3.88

Hydrophytic Vegetation Indicators:

- ___ 1 - Rapid Test for Hydrophytic Vegetation
- ___ 2 - Dominance Test is >50%
- ___ 3 - Prevalence Index is < 3.0[1]
- ___ 4 - Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)
- ___ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Definitions of Vegetation Strata:

Tree - Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft (1 m) tall.

Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vines - All woody vines greater than 3.28 ft in height.

Community Type: Successional Shrubland

Hydrophytic Vegetation Present? Yes ___ No X

Remarks: (Include photo numbers here or on a separate sheet.)

Photo # P7 Direction of Photo North

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

Project Code: W23E07a

SOIL Sampling Point: D4

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-7	10YR 3/1	100					S, L	
7-20	10YR 5/3	80	10YR 5/6	20	C	M	S, L	

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Dark Surface (S7) **(LRR R, MLRA 149B)**
- ___ Polyvalue Below Surface (S8) **(LRR R, MLRA 149B)**
- ___ Thin Dark Surface (S9) **(LRR R, MLRA 149B)**
- ___ Loamy Mucky Mineral (F1) **(LRR K, L)**
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ___ 2 cm Muck (A10) **(LRR K, L, MLRA 149B)**
- ___ Coast Prairie Redox (A16) **(LRR K, L, R)**
- ___ 5 cm Mucky Peat or Peat (S3) **(LRR K, L, R)**
- ___ Dark Surface (S7) **(LRR K, L, M)**
- ___ Polyvalue Below Surface (S8) **(LRR K, L)**
- ___ Thin Dark Surface (S9) **(LRR K, L)**
- ___ Iron-Manganese Masses (F12) **(LRR K, L, R)**
- ___ Piedmont Floodplain Soils (F19) **(MLRA 149B)**
- ___ Mesic Spodic (TA6) **(MLRA 144A, 145, 149B)**
- ___ Red Parent Material (TF2)
- ___ Very Shallow Dark Surface (TF12)
- ___ Other (Explain in Remarks)

[3] Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: NONE

Depth (inches): N/A

Hydric Soil Present? Yes ____ No X

Remarks:

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

Project Code: W23E07a

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: SBLC – 999 Campbell Blvd & 1860 & 1920 N. French Road Town/County: Amherst/Erie County Sampling Date: April 11, 2023

Applicant/Owner: Cimato Enterprises State: New York Sampling Point: DS

Investigator(s): Scott Livingstone & Tom Somerville Section, Township, Range: 27.00-2-29; 27.04-1-20 & 27.04-1-16.1

Landform (hillslope, terrace, etc.): LAKE PLAIN Local relief (concave, convex, none): CONVEX Slope (%): 3

Subregion (LRR or MLRA) LRRL Lat: 43.03881°N Long: -78.75685°W Datum: NAD83

Soil Map Unit Name: SWORMVILLE CLAY LOAM NWI classification: N/A

Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No ____ (If no, explain in Remarks.)

Are Vegetation X, Soil ____, or Hydrology ____ significantly disturbed? Are "Normal Circumstances" present? Yes X No ____

Are Vegetation ____, Soil ____, or Hydrology ____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS : Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes ____	No X	**Is the Sampled Area within a Wetland?** Yes ____ No X
Hydric Soil Present?	Yes ____	No X	
Wetland Hydrology Present?	Yes ____	No X	If yes, optional Wetland Site ID: N/A

Remarks: (Explain alternative procedures here or in a separate report.)

UPLAND CLEARED BRUSHY LAND

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ___ Surface Water (A1)
- ___ High Water Table (A2)
- ___ Saturation (A3)
- ___ Water Marks (B1)
- ___ Sediment Deposits (B2)
- ___ Drift Deposits (B3)
- ___ Algal Mat or Crust (B4)
- ___ Iron Deposits (B5)
- ___ Inundation Visible on Aerial Imagery (B7)
- ___ Sparsely Vegetated Concave Surface (B8)
- ___ Water-Stained Leaves (B9)
- ___ Aquatic Fauna (B13)
- ___ Marl Deposits (B15)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres on Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ___ Surface Soil Cracks (B6)
- ___ Drainage Patterns (B10)
- ___ Moss Trim Lines (B16)
- ___ Dry-Season W ater Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Stunted or Stressed Plants (D1)
- ___ Geomorphic Position (D2)
- ___ Shallow Aquitard (D3)
- ___ Microtopographic Relief (D4)
- ___ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present?	Yes ____	No X	Depth (inches): N/A
Water Table Present?	Yes ____	No X	Depth (inches): N/A
Saturation Present? (includes capillary fringe)	Yes ____	No X	Depth (inches): N/A

Wetland Hydrology Present? Yes ____ No X

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

Project Code: W23E07a

VEGETATION : Use scientific names of plants. Sampling Point: D5

Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status
1.			
2.			
3.			
4.			
5.			
6.			
7.			
= Total Cover			

Sapling/Shrub Stratum (Plot size: 15')			
1.			
2.			
3.			
4.			
5.			
6.			
7.			
= Total Cover			

Herb Stratum (Plot size: 5')			
1. Poa annua	3	N	FACU
2. Taraxacum officinale	1	N	FACU
3. Lolium perenne	1	N	FACU
4.			
5.			
6.			
7.			
8.			
9.			
10.			
11.			
12.			
5 = Total Cover			

Woody Vine Stratum (Plot size: 30')			
1.			
2.			
3.			
4.			
= Total Cover			

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 0 (A)

Total Number of Dominant Species Across All Strata: 0 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 0 (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	-	x 1 =	-
FACW species	-	x 2 =	-
FAC species	-	x 3 =	-
FACU species	5	x 4 =	20
UPL species	-	x 5 =	-
Column Totals:	5	(A)	20 (B)

Prevalence Index = B/A = 4.0

Hydrophytic Vegetation Indicators:

- ___ 1 - Rapid Test for Hydrophytic Vegetation
- ___ 2 - Dominance Test is >50%
- ___ 3 - Prevalence Index is < 3.0[1]
- ___ 4 - Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)
- ___ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Definitions of Vegetation Strata:

Tree - Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft (1 m) tall.

Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vines - All woody vines greater than 3.28 ft in height.

Community Type: Brushy Cleared Land

Hydrophytic Vegetation Present? Yes ___ No X

Remarks: (Include photo numbers here or on a separate sheet.)

Photo # P8 **Direction of Photo** Northwest

- Recently brush hogged & clear cut

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

SOIL Sampling Point: D5

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-5	10YR 4/2	100					S.L	
5-26	10YR 5/4	100					S.L	

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Dark Surface (S7) **(LRR R, MLRA 149B)**
- ___ Polyvalue Below Surface (S8) **(LRR R, MLRA 149B)**
- ___ Thin Dark Surface (S9) **(LRR R, MLRA 149B)**
- ___ Loamy Mucky Mineral (F1) **(LRR K, L)**
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ___ 2 cm Muck (A10) **(LRR K, L, MLRA 149B)**
- ___ Coast Prairie Redox (A16) **(LRR K, L, R)**
- ___ 5 cm Mucky Peat or Peat (S3) **(LRR K, L, R)**
- ___ Dark Surface (S7) **(LRR K, L, M)**
- ___ Polyvalue Below Surface (S8) **(LRR K, L)**
- ___ Thin Dark Surface (S9) **(LRR K, L)**
- ___ Iron-Manganese Masses (F12) **(LRR K, L, R)**
- ___ Piedmont Floodplain Soils (F19) **(MLRA 149B)**
- ___ Mesic Spodic (TA6) **(MLRA 144A, 145, 149B)**
- ___ Red Parent Material (TF2)
- ___ Very Shallow Dark Surface (TF12)
- ___ Other (Explain in Remarks)

[3] Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: NONE

Depth (inches): N/A

Hydric Soil Present? Yes ____ No X

Remarks:

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

Project Code: W23E07a

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: SBLC – 999 Campbell Blvd & 1860 & 1920 N. French Road Town/County: Amherst/Erie County Sampling Date: April 11, 2023

Applicant/Owner: Cimato Enterprises State: New York Sampling Point: D6

Investigator(s): Scott Livingstone & Tom Somerville Section, Township, Range: 27.00-2-29; 27.04-1-20 & 27.04-1-16.1

Landform (hillslope, terrace, etc.): Depression Local relief (concave, convex, none): CONCAVE Slope (%): 2

Subregion (LRR or MLRA) LRRL Lat: 43.03988°N Long: -78.75699°W Datum: NAD83

Soil Map Unit Name: Swormville clay loam NWI classification: PEM

Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No ____ (If no, explain in Remarks.)

Are Vegetation ____, Soil ____, or Hydrology ____ significantly disturbed? Are "Normal Circumstances" present? Yes X No ____

Are Vegetation ____, Soil ____, or Hydrology ____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS : Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes X No ____	**Is the Sampled Area within a Wetland?**	Yes X No ____
Hydric Soil Present?	Yes X No ____		
Wetland Hydrology Present?	Yes X No ____	If yes, optional Wetland Site ID:	WZ

Remarks: (Explain alternative procedures here or in a separate report.)

• WZ-1→WZ-143 (OPEN)

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- X Surface Water (A1)
- X High Water Table (A2)
- X Saturation (A3)
- ___ Water Marks (B1)
- ___ Sediment Deposits (B2)
- ___ Drift Deposits (B3)
- ___ Algal Mat or Crust (B4)
- ___ Iron Deposits (B5)
- ___ Inundation Visible on Aerial Imagery (B7)
- ___ Sparsely Vegetated Concave Surface (B8)
- X Water-Stained Leaves (B9)
- ___ Aquatic Fauna (B13)
- ___ Marl Deposits (B15)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres on Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ___ Surface Soil Cracks (B6)
- ___ Drainage Patterns (B10)
- ___ Moss Trim Lines (B16)
- ___ Dry-Season W ater Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Stunted or Stressed Plants (D1)
- ___ Geomorphic Position (D2)
- ___ Shallow Aquitard (D3)
- ___ Microtopographic Relief (D4)
- ___ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present?	Yes X	No ____	Depth (inches): 1"
Water Table Present?	Yes X	No ____	Depth (inches): Surface
Saturation Present? (includes capillary fringe)	Yes X	No ____	Depth (inches): Surface

Wetland Hydrology Present? Yes X No ____

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

Project Code: W23E07a

VEGETATION : Use scientific names of plants. Sampling Point: D6

Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status
1. Acer rubrum	30	Y	FAC
2.			
3.			
4.			
5.			
6.			
7.			
	30	= Total Cover	

Sapling/Shrub Stratum (Plot size: 15')			
1. Fraxinus pennsylvanica	35	Y	FACW
2. Cornus amomum	15	Y	FACW
3. Acer rubrum	10	N	FAC
4.			
5.			
6.			
7.			
	60	= Total Cover	

Herb Stratum (Plot size: 5')			
1. Phragmites australis	50	Y	FACW
2. Poa palustris	9	N	FACW
3. Carex crinita	8	N	OBL
4. Onoclea sensibilis	2	N	FACW
5.			
6.			
7.			
8.			
9.			
10.			
11.			
12.			
	69	= Total Cover	

Woody Vine Stratum (Plot size: 30')			
1.			
2.			
3.			
4.			
		= Total Cover	

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 4 (A)

Total Number of Dominant Species Across All Strata: 4 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 100% (A/B)

Prevalence Index worksheet:

Total % Cover of:	Multiply by:
OBL species	x 1 =
FACW species	x 2 =
FAC species	x 3 =
FACU species	x 4 =
UPL species	x 5 =
Column Totals: (A)	(B)

Prevalence Index = B/A =

Hydrophytic Vegetation Indicators:

- ___ 1 - Rapid Test for Hydrophytic Vegetation
- X 2 - Dominance Test is >50%
- ___ 3 - Prevalence Index is < 3.0[1]
- ___ 4 - Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)
- ___ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Definitions of Vegetation Strata:

Tree - Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft (1 m) tall.

Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vines - All woody vines greater than 3.28 ft in height.

Community Type: Scrub-shrub swamp PSS7B

Hydrophytic Vegetation Present? Yes X No ___

Remarks: (Include photo numbers here or on a separate sheet.)

Photo # P10 Direction of Photo North

Wetland W2

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

Project Code: W23E07a

SOIL Sampling Point: D6

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-17	10YR 3/1	93	10YR 5/8	7	C	M	Sil	
17-20	10YR 5/2	90	10YR 5/8	10	C	M	Sil	

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Dark Surface (S7) **(LRR R, MLRA 149B)**
- ___ Polyvalue Below Surface (S8) **(LRR R, MLRA 149B)**
- ___ Thin Dark Surface (S9) **(LRR R, MLRA 149B)**
- ___ Loamy Mucky Mineral (F1) **(LRR K, L)**
- ___ Loamy Gleyed Matrix (F2)
- X Depleted Matrix (F3)
- X Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ___ 2 cm Muck (A10) **(LRR K, L, MLRA 149B)**
- ___ Coast Prairie Redox (A16) **(LRR K, L, R)**
- ___ 5 cm Mucky Peat or Peat (S3) **(LRR K, L, R)**
- ___ Dark Surface (S7) **(LRR K, L, M)**
- ___ Polyvalue Below Surface (S8) **(LRR K, L)**
- ___ Thin Dark Surface (S9) **(LRR K, L)**
- ___ Iron-Manganese Masses (F12) **(LRR K, L, R)**
- ___ Piedmont Floodplain Soils (F19) **(MLRA 149B)**
- ___ Mesic Spodic (TA6) **(MLRA 144A, 145, 149B)**
- ___ Red Parent Material (TF2)
- ___ Very Shallow Dark Surface (TF12)
- ___ Other (Explain in Remarks)

[3] Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: NONE

Depth (inches): N/A

Hydric Soil Present? Yes X No ___

Remarks:

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

Project Code: W23E07a

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: SBLC – 999 Campbell Blvd & 1860 & 1920 N. French Road Town/County: Amherst/Erie County Sampling Date: April 11, 2023

Applicant/Owner: Cimato Enterprises State: New York Sampling Point: D7

Investigator(s): Scott Livingstone & Tom Somerville Section, Township, Range: 27.00-2-29; 27.04-1-20 & 27.04-1-16.1

Landform (hillslope, terrace, etc.): RIDGE Local relief (concave, convex, none): CONVEX Slope (%): 7

Subregion (LRR or MLRA) LRRL Lat: 43.039780°N Long: -78.75707°W Datum: NAD83

Soil Map Unit Name: Swormville CLAY LOAM NWI classification: N/A

Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No ____ (If no, explain in Remarks.)

Are Vegetation ____, Soil ____, or Hydrology ____ significantly disturbed? Are "Normal Circumstances" present? Yes X No ____

Are Vegetation ____, Soil ____, or Hydrology ____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS : Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes ____	No X	**Is the Sampled Area within a Wetland?** Yes ____ No X
Hydric Soil Present?	Yes ____	No X	
Wetland Hydrology Present?	Yes ____	No X	If yes, optional Wetland Site ID: N/A

Remarks: (Explain alternative procedures here or in a separate report.)

UPLAND WOODS

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ___ Surface Water (A1)
- ___ High Water Table (A2)
- ___ Saturation (A3)
- ___ Water Marks (B1)
- ___ Sediment Deposits (B2)
- ___ Drift Deposits (B3)
- ___ Algal Mat or Crust (B4)
- ___ Iron Deposits (B5)
- ___ Inundation Visible on Aerial Imagery (B7)
- ___ Sparsely Vegetated Concave Surface (B8)
- ___ Water-Stained Leaves (B9)
- ___ Aquatic Fauna (B13)
- ___ Marl Deposits (B15)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres on Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ___ Surface Soil Cracks (B6)
- ___ Drainage Patterns (B10)
- ___ Moss Trim Lines (B16)
- ___ Dry-Season W ater Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Stunted or Stressed Plants (D1)
- ___ Geomorphic Position (D2)
- ___ Shallow Aquitard (D3)
- ___ Microtopographic Relief (D4)
- ___ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present?	Yes ____	No X	Depth (inches): N/A
Water Table Present?	Yes ____	No X	Depth (inches): N/A
Saturation Present? (includes capillary fringe)	Yes ____	No X	Depth (inches): N/A

Wetland Hydrology Present? Yes ____ No X

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

Project Code: W23E07a

VEGETATION : Use scientific names of plants. Sampling Point: D7

Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status
1. Prnus Serotina	50	Y	FACU
2. Acer negundo	10	N	FAC
3. Acer rubrum	9	N	FAC
4.			
5.			
6.			
7.			
	69	= Total Cover	

Sapling/Shrub Stratum (Plot size: 15')			
1. Lonicera tatarica	35	Y	FACU
2. Rosa multiflora	15	Y	FACU
3. Prnus Serotina	8	N	FACU
4.			
5.			
6.			
7.			
	58	= Total Cover	

Herb Stratum (Plot size: 5')			
1. Rubus allegheniensis	18	Y	FACU
2. Alliaria petiolata	15	Y	FACU
3. Rubus idaeus	12	Y	FACU
4. Rosa multiflora	10	N	FACU
5.			
6.			
7.			
8.			
9.			
10.			
11.			
12.			
	55	= Total Cover	

Woody Vine Stratum (Plot size: 30')			
1. Vitis aestivalis	20	Y	FACU
2. Toxicodendron radicans	8	Y	FAC
3.			
4.			
	28	= Total Cover	

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 1 (A)

Total Number of Dominant Species Across All Strata: 8 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 13% (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	-	x 1 =	-
FACW species	-	x 2 =	-
FAC species	27	x 3 =	81
FACU species	183	x 4 =	732
UPL species	-	x 5 =	-
Column Totals:	210 (A)		813 (B)

Prevalence Index = B/A = 3.87

Hydrophytic Vegetation Indicators:

__ 1 - Rapid Test for Hydrophytic Vegetation

__ 2 - Dominance Test is >50%

__ 3 - Prevalence Index is < 3.0[1]

__ 4 - Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)

__ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Definitions of Vegetation Strata:

Tree - Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft (1 m) tall.

Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vines - All woody vines greater than 3.28 ft in height.

Community Type: Successional N. Hardwo

Hydrophytic Vegetation Present? Yes ____ No X

Remarks: (Include photo numbers here or on a separate sheet.)

Photo # P11 **Direction of Photo** West

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

Project Code: W23E07a

SOIL

Sampling Point: D7

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-9	10YR4/2	100					s;l	
9-20	10YR5/4	95	10YR5/8	5	C	M	l	

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Dark Surface (S7) **(LRR R, MLRA 149B)**
- ___ Polyvalue Below Surface (S8) **(LRR R, MLRA 149B)**
- ___ Thin Dark Surface (S9) **(LRR R, MLRA 149B)**
- ___ Loamy Mucky Mineral (F1) **(LRR K, L)**
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ___ 2 cm Muck (A10) **(LRR K, L, MLRA 149B)**
- ___ Coast Prairie Redox (A16) **(LRR K, L, R)**
- ___ 5 cm Mucky Peat or Peat (S3) **(LRR K, L, R)**
- ___ Dark Surface (S7) **(LRR K, L, M)**
- ___ Polyvalue Below Surface (S8) **(LRR K, L)**
- ___ Thin Dark Surface (S9) **(LRR K, L)**
- ___ Iron-Manganese Masses (F12) **(LRR K, L, R)**
- ___ Piedmont Floodplain Soils (F19) **(MLRA 149B)**
- ___ Mesic Spodic (TA6) **(MLRA 144A, 145, 149B)**
- ___ Red Parent Material (TF2)
- ___ Very Shallow Dark Surface (TF12)
- ___ Other (Explain in Remarks)

[3] Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: NONE

Depth (inches): N/A

Hydric Soil Present? Yes ____ No X

Remarks:

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

Project Code: W23E07a

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: SBLC – 999 Campbell Blvd & 1860 & 1920 N. French Road Town/County: Amherst/Erie County Sampling Date: April 11, 2023

Applicant/Owner: Cimato Enterprises State: New York Sampling Point: D8

Investigator(s): Scott Livingstone & Tom Somerville Section, Township, Range: 27.00-2-29; 27.04-1-20 & 27.04-1-16.1

Landform (hillslope, terrace, etc.): Depression Local relief (concave, convex, none): CONCAVE Slope (%): C1

Subregion (LRR or MLRA) LRRL Lat: 43.04207°N Long: -78.75524°W Datum: NAD83

Soil Map Unit Name: WAYLAND SOILS COMPLEX, 0-3% Slope NWI classification: PSS

Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No ____ (If no, explain in Remarks.)

Are Vegetation ____, Soil ____, or Hydrology ____ significantly disturbed? Are "Normal Circumstances" present? Yes X No ____

Are Vegetation ____, Soil ____, or Hydrology ____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS : Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes X No ____	**Is the Sampled Area within a Wetland?**	Yes X No ____
Hydric Soil Present?	Yes X No ____		
Wetland Hydrology Present?	Yes X No ____	If yes, optional Wetland Site ID:	W2

Remarks: (Explain alternative procedures here or in a separate report.)

• W2-1 → W2-143 (OPEN)

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- X Surface Water (A1)
- X High Water Table (A2)
- X Saturation (A3)
- ___ Water Marks (B1)
- ___ Sediment Deposits (B2)
- ___ Drift Deposits (B3)
- ___ Algal Mat or Crust (B4)
- ___ Iron Deposits (B5)
- ___ Inundation Visible on Aerial Imagery (B7)
- ___ Sparsely Vegetated Concave Surface (B8)
- X Water-Stained Leaves (B9)
- ___ Aquatic Fauna (B13)
- ___ Marl Deposits (B15)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres on Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ___ Surface Soil Cracks (B6)
- ___ Drainage Patterns (B10)
- ___ Moss Trim Lines (B16)
- ___ Dry-Season W ater Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Stunted or Stressed Plants (D1)
- ___ Geomorphic Position (D2)
- ___ Shallow Aquitard (D3)
- ___ Microtopographic Relief (D4)
- ___ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present?	Yes X	No ____	Depth (inches): 1 to 4"
Water Table Present?	Yes X	No ____	Depth (inches): INUNDATED
Saturation Present? (includes capillary fringe)	Yes X	No ____	Depth (inches): INUNDATED

Wetland Hydrology Present? Yes X No ____

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

Project Code: W23E07a

VEGETATION : Use scientific names of plants.

Sampling Point: D8

Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status
1.			
2.			
3.			
4.			
5.			
6.			
7.			
= Total Cover			
Sapling/Shrub Stratum (Plot size: 15')			
1. Cornus racemosa	20	Y	FAC
2. Cornus amomum	20	Y	FACW
3. Fraxinus pennsylvanica	10	N	FACW
4. Spiraea alba	10	N	FACW
5.			
6.			
7.			
60 = Total Cover			
Herb Stratum (Plot size: 5')			
1. Poa palustris	7	Y	FACW
2. Carex crinita	5	Y	OBL
3. Lythrum Salicaria	2	N	FACW
4.			
5.			
6.			
7.			
8.			
9.			
10.			
11.			
12.			
14 = Total Cover			
Woody Vine Stratum (Plot size: 30')			
1.			
2.			
3.			
4.			
= Total Cover			

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 4 (A)

Total Number of Dominant Species Across All Strata: 4 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 100% (A/B)

Prevalence Index worksheet:

Total % Cover of:	Multiply by:
OBL species	x 1 =
FACW species	x 2 =
FAC species	x 3 =
FACU species	x 4 =
UPL species	x 5 =
Column Totals: (A)	(B)

Prevalence Index = B/A =

Hydrophytic Vegetation Indicators:

- ___ 1 - Rapid Test for Hydrophytic Vegetation
- X 2 - Dominance Test is >50%
- ___ 3 - Prevalence Index is < 3.0[1]
- ___ 4 - Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)
- ___ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Definitions of Vegetation Strata:

Tree - Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft (1 m) tall.

Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vines - All woody vines greater than 3.28 ft in height.

Community Type: Scrb-Shrb Swamp PSSZB

Hydrophytic Vegetation Present? Yes X No ___

Remarks: (Include photo numbers here or on a separate sheet.)

Photo # P12 **Direction of Photo** West

- partially brush-hogged, referred to veg next to standing trees

Wet land W2

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

Project Code: W23E07a

SOIL

Sampling Point: DP8

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-7	10YR 3/1	92	10YR 5/8	8	C	M	S. L	
7-20	10YR 5/4	80	10YR 5/8	20	C	M	S. L	

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Dark Surface (S7) **(LRR R, MLRA 149B)**
- ___ Polyvalue Below Surface (S8) **(LRR R, MLRA 149B)**
- ___ Thin Dark Surface (S9) **(LRR R, MLRA 149B)**
- ___ Loamy Mucky Mineral (F1) **(LRR K, L)**
- ___ Loamy Gleyed Matrix (F2)
- X Depleted Matrix (F3)
- X Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ___ 2 cm Muck (A10) **(LRR K, L, MLRA 149B)**
- ___ Coast Prairie Redox (A16) **(LRR K, L, R)**
- ___ 5 cm Mucky Peat or Peat (S3) **(LRR K, L, R)**
- ___ Dark Surface (S7) **(LRR K, L, M)**
- ___ Polyvalue Below Surface (S8) **(LRR K, L)**
- ___ Thin Dark Surface (S9) **(LRR K, L)**
- ___ Iron-Manganese Masses (F12) **(LRR K, L, R)**
- ___ Piedmont Floodplain Soils (F19) **(MLRA 149B)**
- ___ Mesic Spodic (TA6) **(MLRA 144A, 145, 149B)**
- ___ Red Parent Material (TF2)
- ___ Very Shallow Dark Surface (TF12)
- ___ Other (Explain in Remarks)

[3] Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: NONE

Depth (inches): N/A

Hydric Soil Present? Yes X No ___

Remarks:

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

Project Code: W23E07a

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: SBLC – 999 Campbell Blvd & 1860 & 1920 N. French Road Town/County: Amherst/Erie County Sampling Date: April 11, 2023

Applicant/Owner: Cimato Enterprises State: New York Sampling Point: D9

Investigator(s): Scott Livingstone & Tom Somerville Section, Township, Range: 27.00-2-29; 27.04-1-20 & 27.04-1-16.1

Landform (hillslope, terrace, etc.): RIDGE Local relief (concave, convex, none): CONVEX Slope (%): 8

Subregion (LRR or MLRA) LRRL Lat: 43.04215°N Long: 78.75520°W Datum: NAD83

Soil Map Unit Name: SCHORMVILLE CLAY LOAM NW I classification: N/A

Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No ____ (If no, explain in Remarks.)

Are Vegetation X, Soil ____, or Hydrology ____ significantly disturbed? Are "Normal Circumstances" present? Yes X No ____

Are Vegetation ____, Soil ____, or Hydrology ____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS : Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes ____	No X	**Is the Sampled Area within a Wetland?** Yes ____ No X
Hydric Soil Present?	Yes ____	No X	
Wetland Hydrology Present?	Yes ____	No X	If yes, optional Wetland Site ID: N/A

Remarks: (Explain alternative procedures here or in a separate report.)

UPLAND CLEARED BRUSHY LAND

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ___ Surface Water (A1)
- ___ High Water Table (A2)
- ___ Saturation (A3)
- ___ Water Marks (B1)
- ___ Sediment Deposits (B2)
- ___ Drift Deposits (B3)
- ___ Algal Mat or Crust (B4)
- ___ Iron Deposits (B5)
- ___ Inundation Visible on Aerial Imagery (B7)
- ___ Sparsely Vegetated Concave Surface (B8)
- ___ Water-Stained Leaves (B9)
- ___ Aquatic Fauna (B13)
- ___ Marl Deposits (B15)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres on Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ___ Surface Soil Cracks (B6)
- ___ Drainage Patterns (B10)
- ___ Moss Trim Lines (B16)
- ___ Dry-Season W ater Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Stunted or Stressed Plants (D1)
- ___ Geomorphic Position (D2)
- ___ Shallow Aquitard (D3)
- ___ Microtopographic Relief (D4)
- ___ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present?	Yes ____	No X	Depth (inches): N/A
Water Table Present?	Yes ____	No X	Depth (inches): N/A
Saturation Present? (includes capillary fringe)	Yes ____	No X	Depth (inches): N/A

Wetland Hydrology Present? Yes ____ No X

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

Project Code: W23E07a

VEGETATION : Use scientific names of plants. Sampling Point: D9

Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status
1.			
2.			
3.			
4.			
5.			
6.			
7.			
= Total Cover			

Sapling/Shrub Stratum (Plot size: 15')			
1.			
2.			
3.			
4.			
5.			
6.			
7.			
= Total Cover			

Herb Stratum (Plot size: 5')			
1. Lolium perenne	7	Y	FACW
2. Poa annua	5	Y	FACW
3.			
4.			
5.			
6.			
7.			
8.			
9.			
10.			
11.			
12.			
12 = Total Cover			

Woody Vine Stratum (Plot size: 30')			
1.			
2.			
3.			
4.			
= Total Cover			

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 0 (A)

Total Number of Dominant Species Across All Strata: 2 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 0% (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	-	x 1 =	-
FACW species	-	x 2 =	-
FAC species	-	x 3 =	-
FACU species	12	x 4 =	48
UPL species	-	x 5 =	-
Column Totals:	12	(A)	48 (B)

Prevalence Index = B/A = 4.0

Hydrophytic Vegetation Indicators:

__ 1 - Rapid Test for Hydrophytic Vegetation

__ 2 - Dominance Test is >50%

__ 3 - Prevalence Index is < 3.0[1]

__ 4 - Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)

__ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Definitions of Vegetation Strata:

Tree - Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft (1 m) tall.

Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vines - All woody vines greater than 3.28 ft in height.

Community Type: Brushy cleared land

Hydrophytic Vegetation Present? Yes ____ No X

Remarks: (Include photo numbers here or on a separate sheet.)

Photo # P13 **Direction of Photo** North

- Recently brush hogged & clear cut

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

Project Code: W23E07a

SOIL

Sampling Point: D9

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-7	10YR3/1	100					Sil	
7-20	10YR3/4	90	10YR5/6	10	C	M	l	

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Dark Surface (S7) **(LRR R, MLRA 149B)**
- ___ Polyvalue Below Surface (S8) **(LRR R, MLRA 149B)**
- ___ Thin Dark Surface (S9) **(LRR R, MLRA 149B)**
- ___ Loamy Mucky Mineral (F1) **(LRR K, L)**
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ___ 2 cm Muck (A10) **(LRR K, L, MLRA 149B)**
- ___ Coast Prairie Redox (A16) **(LRR K, L, R)**
- ___ 5 cm Mucky Peat or Peat (S3) **(LRR K, L, R)**
- ___ Dark Surface (S7) **(LRR K, L, M)**
- ___ Polyvalue Below Surface (S8) **(LRR K, L)**
- ___ Thin Dark Surface (S9) **(LRR K, L)**
- ___ Iron-Manganese Masses (F12) **(LRR K, L, R)**
- ___ Piedmont Floodplain Soils (F19) **(MLRA 149B)**
- ___ Mesic Spodic (TA6) **(MLRA 144A, 145, 149B)**
- ___ Red Parent Material (TF2)
- ___ Very Shallow Dark Surface (TF12)
- ___ Other (Explain in Remarks)

[3] Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: NONE

Depth (inches): N/A

Hydric Soil Present? Yes _____ No X

Remarks:

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

Project Code: W23E07a

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: SBLC – 999 Campbell Blvd & 1860 & 1920 N. French Road Town/County: Amherst/Erie County Sampling Date: April 11, 2023

Applicant/Owner: Cimato Enterprises State: New York Sampling Point: D10

Investigator(s): Scott Livingstone & Tom Somerville Section, Township, Range: 27.00-2-29; 27.04-1-20 & 27.04-1-16.1

Landform (hillslope, terrace, etc.): LAKE Plain Local relief (concave, convex, none): NONE Slope (%): 1%

Subregion (LRR or MLRA) LRRL Lat: 43.03926°N Long: -78.75386°W Datum: NAD83

Soil Map Unit Name: Swormville CLAY LOAM NWI classification: PFO

Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No ____ (If no, explain in Remarks.)

Are Vegetation ____, Soil ____, or Hydrology ____ significantly disturbed? Are "Normal Circumstances" present? Yes X No ____

Are Vegetation ____, Soil ____, or Hydrology ____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS : Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes X No ____	**Is the Sampled Area within a Wetland?**	Yes X No ____
Hydric Soil Present?	Yes X No ____		
Wetland Hydrology Present?	Yes X No ____	If yes, optional Wetland Site ID: W3	

Remarks: (Explain alternative procedures here or in a separate report.)

• W3-1 → W3-50 (OPEN TO DITCH OFF-SITE)

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ___ Surface Water (A1)
- ___ High Water Table (A2)
- X Saturation (A3)
- ___ Water Marks (B1)
- ___ Sediment Deposits (B2)
- ___ Drift Deposits (B3)
- ___ Algal Mat or Crust (B4)
- ___ Iron Deposits (B5)
- ___ Inundation Visible on Aerial Imagery (B7)
- ___ Sparsely Vegetated Concave Surface (B8)
- X Water-Stained Leaves (B9)
- ___ Aquatic Fauna (B13)
- ___ Marl Deposits (B15)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres on Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ___ Surface Soil Cracks (B6)
- ___ Drainage Patterns (B10)
- ___ Moss Trim Lines (B16)
- ___ Dry-Season W ater Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Stunted or Stressed Plants (D1)
- ___ Geomorphic Position (D2)
- ___ Shallow Aquitard (D3)
- ___ Microtopographic Relief (D4)
- ___ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present?	Yes ____ No X	Depth (inches):	N/A
Water Table Present?	Yes ____ No X	Depth (inches):	N/D
Saturation Present? (includes capillary fringe)	Yes X No ____	Depth (inches):	SURFACE

Wetland Hydrology Present? Yes X No ____

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

Project Code: W23E07a

VEGETATION : Use scientific names of plants. Sampling Point: D10

Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status
1. Acer rubrum	60	Y	FAC
2.			
3.			
4.			
5.			
6.			
7.			
	60	= Total Cover	

Sapling/Shrub Stratum (Plot size: 15')			
1. Spiraea alba	18	Y	FACW
2. Cornus racemosa	12	Y	FAC
3. Fraxinus pennsylvanica	10	Y	FACW
4. Rosa multiflora	6	N	FACU
5.			
6.			
7.			
	46	= Total Cover	

Herb Stratum (Plot size: 5')			
1. Carex crinita	8	Y	OBL
2. Poa palustris	8	Y	FACW
3. Symphyotrichum lateriflorum	5	Y	FAC
4. Onoclea sensibilis	2	N	FACW
5.			
6.			
7.			
8.			
9.			
10.			
11.			
12.			
	23	= Total Cover	

Woody Vine Stratum (Plot size: 30')			
1. Toxicodendron radicans	18	Y	FAC
2. Vitis aestivalis	10	Y	FACW
3.			
4.			
	28	= Total Cover	

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 8 (A)

Total Number of Dominant Species Across All Strata: 9 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 89% (A/B)

Prevalence Index worksheet:

Total % Cover of:	Multiply by:
OBL species	x 1 =
FACW species	x 2 =
FAC species	x 3 =
FACU species	x 4 =
UPL species	x 5 =
Column Totals: (A)	(B)

Prevalence Index = B/A =

Hydrophytic Vegetation Indicators:

- ___ 1 - Rapid Test for Hydrophytic Vegetation
- X 2 - Dominance Test is >50%
- ___ 3 - Prevalence Index is < 3.0[1]
- ___ 4 - Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)
- ___ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Definitions of Vegetation Strata:

Tree - Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft (1 m) tall.

Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vines - All woody vines greater than 3.28 ft in height.

Community Type: Hardwood Swamp PFO1B

Hydrophytic Vegetation Present? Yes X No ___

Remarks: (Include photo numbers here or on a separate sheet.)

Photo # P14 Direction of Photo East

- Significant dead ash

Wetland W3

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

Project Code: W23E07a

SOIL

Sampling Point: D10

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-7	10YR3/1	90	10YR5/8	10	C	M	Sil+	
7-20	10YR5/2	70	10YR5/8	30	C	M	Sicl	

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Dark Surface (S7) (**LRR R, MLRA 149B**)
- ___ Polyvalue Below Surface (S8) (**LRR R, MLRA 149B**)
- ___ Thin Dark Surface (S9) (**LRR R, MLRA 149B**)
- ___ Loamy Mucky Mineral (F1) (**LRR K, L**)
- ___ Loamy Gleyed Matrix (F2)
- X Depleted Matrix (F3)
- X Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ___ 2 cm Muck (A10) (**LRR K, L, MLRA 149B**)
- ___ Coast Prairie Redox (A16) (**LRR K, L, R**)
- ___ 5 cm Mucky Peat or Peat (S3) (**LRR K, L, R**)
- ___ Dark Surface (S7) (**LRR K, L, M**)
- ___ Polyvalue Below Surface (S8) (**LRR K, L**)
- ___ Thin Dark Surface (S9) (**LRR K, L**)
- ___ Iron-Manganese Masses (F12) (**LRR K, L, R**)
- ___ Piedmont Floodplain Soils (F19) (**MLRA 149B**)
- ___ Mesic Spodic (TA6) (**MLRA 144A, 145, 149B**)
- ___ Red Parent Material (TF2)
- ___ Very Shallow Dark Surface (TF12)
- ___ Other (Explain in Remarks)

[3] Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: NONE

Depth (inches): N/A

Hydric Soil Present? Yes X No ___

Remarks:

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

Project Code: W23E07a

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: SBLC – 999 Campbell Blvd & 1860 & 1920 N. French Road Town/County: Amherst/Erie County Sampling Date: April 11, 2023

Applicant/Owner: Cimato Enterprises State: New York Sampling Point: D11

Investigator(s): Scott Livingstone & Tom Somerville Section, Township, Range: 27.00-2-29; 27.04-1-20 & 27.04-1-16.1

Landform (hillslope, terrace, etc.): RIDGE Local relief (concave, convex, none): CONVEX Slope (%): 2

Subregion (LRR or MLRA) LRRL Lat: 43.03927°N Long: -78.75432°W Datum: NAD83

Soil Map Unit Name: WORMVILLE CLAY LOAM NWI classification: N/A

Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No ____ (If no, explain in Remarks.)

Are Vegetation X, Soil ____, or Hydrology ____ significantly disturbed? Are "Normal Circumstances" present? Yes X No ____

Are Vegetation ____, Soil ____, or Hydrology ____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS : Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes ____	No X	**Is the Sampled Area within a Wetland?** Yes ____ No X
Hydric Soil Present?	Yes ____	No X	
Wetland Hydrology Present?	Yes ____	No X	If yes, optional Wetland Site ID: N/A

Remarks: (Explain alternative procedures here or in a separate report.)

UPLAND BRUSHY CLEARED LAND

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ___ Surface Water (A1)
- ___ High Water Table (A2)
- ___ Saturation (A3)
- ___ Water Marks (B1)
- ___ Sediment Deposits (B2)
- ___ Drift Deposits (B3)
- ___ Algal Mat or Crust (B4)
- ___ Iron Deposits (B5)
- ___ Inundation Visible on Aerial Imagery (B7)
- ___ Sparsely Vegetated Concave Surface (B8)
- ___ Water-Stained Leaves (B9)
- ___ Aquatic Fauna (B13)
- ___ Marl Deposits (B15)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres on Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ___ Surface Soil Cracks (B6)
- ___ Drainage Patterns (B10)
- ___ Moss Trim Lines (B16)
- ___ Dry-Season W ater Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Stunted or Stressed Plants (D1)
- ___ Geomorphic Position (D2)
- ___ Shallow Aquitard (D3)
- ___ Microtopographic Relief (D4)
- ___ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present?	Yes ____	No X	Depth (inches): N/A
Water Table Present?	Yes ____	No X	Depth (inches): N/A
Saturation Present? (includes capillary fringe)	Yes ____	No X	Depth (inches): N/A

Wetland Hydrology Present? Yes ____ No X

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

Project Code: W23E07a

VEGETATION : Use scientific names of plants. Sampling Point: D11

Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status
1.			
2.			
3.			
4.			
5.			
6.			
7.			
= Total Cover			

Sapling/Shrub Stratum (Plot size: 15')			
1.			
2.			
3.			
4.			
5.			
6.			
7.			
= Total Cover			

Herb Stratum (Plot size: 5')			
1. Lolium perenne	10	Y	FACU
2. Poa annua	3	N	FACU
3.			
4.			
5.			
6.			
7.			
8.			
9.			
10.			
11.			
12.			
13 = Total Cover			

Woody Vine Stratum (Plot size: 30')			
1.			
2.			
3.			
4.			
= Total Cover			

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 0 (A)

Total Number of Dominant Species Across All Strata: 1 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 0% (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	-	x 1 =	-
FACW species	-	x 2 =	-
FAC species	-	x 3 =	-
FACU species	13	x 4 =	52
UPL species	-	x 5 =	-
Column Totals:	13 (A)		52 (B)

Prevalence Index = B/A = 4.0

Hydrophytic Vegetation Indicators:

- __ 1 - Rapid Test for Hydrophytic Vegetation
- __ 2 - Dominance Test is >50%
- __ 3 - Prevalence Index is < 3.0[1]
- __ 4 - Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)
- __ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Definitions of Vegetation Strata:

Tree - Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft (1 m) tall.

Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vines - All woody vines greater than 3.28 ft in height.

Community Type: Brushy cleared Land

Hydrophytic Vegetation Present? Yes ____ No X

Remarks: (Include photo numbers here or on a separate sheet.)

Photo # P15 **Direction of Photo** West

- Recently brush hogged & clear cut

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

SOIL

Sampling Point: D11

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-7	10YR4/2	100					S.L	
7-20	10YR5/4	75	10YR5/6	25	C	M	S.C.L	

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Dark Surface (S7) (**LRR R, MLRA 149B**)
- ___ Polyvalue Below Surface (S8) (**LRR R, MLRA 149B**)
- ___ Thin Dark Surface (S9) (**LRR R, MLRA 149B**)
- ___ Loamy Mucky Mineral (F1) (**LRR K, L**)
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ___ 2 cm Muck (A10) (**LRR K, L, MLRA 149B**)
- ___ Coast Prairie Redox (A16) (**LRR K, L, R**)
- ___ 5 cm Mucky Peat or Peat (S3) (**LRR K, L, R**)
- ___ Dark Surface (S7) (**LRR K, L, M**)
- ___ Polyvalue Below Surface (S8) (**LRR K, L**)
- ___ Thin Dark Surface (S9) (**LRR K, L**)
- ___ Iron-Manganese Masses (F12) (**LRR K, L, R**)
- ___ Piedmont Floodplain Soils (F19) (**MLRA 149B**)
- ___ Mesic Spodic (TA6) (**MLRA 144A, 145, 149B**)
- ___ Red Parent Material (TF2)
- ___ Very Shallow Dark Surface (TF12)
- ___ Other (Explain in Remarks)

[3] Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: NONE

Depth (inches): N/A

Hydric Soil Present? Yes ____ No X

Remarks:

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

Project Code: W23E07a

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: SBLC – 999 Campbell Blvd & 1860 & 1920 N. French Road Town/County: Amherst/Erie County Sampling Date: April 11, 2023

Applicant/Owner: Cimato Enterprises State: New York Sampling Point: DIZ

Investigator(s): Scott Livingstone & Tom Somerville Section, Township, Range: 27.00-2-29; 27.04-1-20 & 27.04-1-16.1

Landform (hillslope, terrace, etc.): LAKE PLAIN Local relief (concave, convex, none): CONVEX Slope (%): 2

Subregion (LRR or MLRA) LRRL Lat: 43.03802 °N Long: -78.76524 °W Datum: NAD83

Soil Map Unit Name: SWORMVILLE CLAY LOAM NWI classification: N/A

Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No ____ (If no, explain in Remarks.)

Are Vegetation X, Soil ____, or Hydrology ____ significantly disturbed? Are "Normal Circumstances" present? Yes X No ____

Are Vegetation ____, Soil ____, or Hydrology ____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS : Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes ____	No X	**Is the Sampled Area within a Wetland?**	Yes ____	No X
Hydric Soil Present?	Yes ____	No X			
Wetland Hydrology Present?	Yes ____	No X	If yes, optional Wetland Site ID:	N/A	

Remarks: (Explain alternative procedures here or in a separate report.)

UPLAND BRUSHY CLEARED LAND

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ___ Surface Water (A1)
- ___ High Water Table (A2)
- ___ Saturation (A3)
- ___ Water Marks (B1)
- ___ Sediment Deposits (B2)
- ___ Drift Deposits (B3)
- ___ Algal Mat or Crust (B4)
- ___ Iron Deposits (B5)
- ___ Inundation Visible on Aerial Imagery (B7)
- ___ Sparsely Vegetated Concave Surface (B8)
- ___ Water-Stained Leaves (B9)
- ___ Aquatic Fauna (B13)
- ___ Marl Deposits (B15)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres on Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ___ Surface Soil Cracks (B6)
- ___ Drainage Patterns (B10)
- ___ Moss Trim Lines (B16)
- ___ Dry-Season W ater Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Stunted or Stressed Plants (D1)
- ___ Geomorphic Position (D2)
- ___ Shallow Aquitard (D3)
- ___ Microtopographic Relief (D4)
- ___ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present?	Yes ____	No X	Depth (inches):	N/A
Water Table Present?	Yes ____	No X	Depth (inches):	N/A
Saturation Present? (includes capillary fringe)	Yes ____	No X	Depth (inches):	N/A

Wetland Hydrology Present? Yes ____ No X

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

Project Code: W23E07a

VEGETATION : Use scientific names of plants. Sampling Point: D12

Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status
1.			
2.			
3.			
4.			
5.			
6.			
7.			
= Total Cover			

Sapling/Shrub Stratum (Plot size: 15')			
1.			
2.			
3.			
4.			
5.			
6.			
7.			
= Total Cover			

Herb Stratum (Plot size: 5')			
1. Chenopodium album	6	Y	FACU
2. Poa annua	2	N	FACU
3. Lolium perenne	1	N	FACU
4.			
5.			
6.			
7.			
8.			
9.			
10.			
11.			
12.			
9 = Total Cover			

Woody Vine Stratum (Plot size: 30')			
1.			
2.			
3.			
4.			
= Total Cover			

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 0 (A)

Total Number of Dominant Species Across All Strata: 1 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 0% (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	-	x 1 =	-
FACW species	-	x 2 =	-
FAC species	-	x 3 =	-
FACU species	9	x 4 =	36
UPL species	-	x 5 =	-
Column Totals:	9 (A)		36 (B)

Prevalence Index = B/A = 4.0

Hydrophytic Vegetation Indicators:

- ___ 1 - Rapid Test for Hydrophytic Vegetation
- ___ 2 - Dominance Test is >50%
- ___ 3 - Prevalence Index is < 3.0[1]
- ___ 4 - Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)
- ___ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Definitions of Vegetation Strata:

Tree - Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft (1 m) tall.

Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vines - All woody vines greater than 3.28 ft in height.

Community Type: Brushy Cleared Land

Hydrophytic Vegetation Present? Yes ___ No X

Remarks: (Include photo numbers here or on a separate sheet.)

Photo # P116 **Direction of Photo** West

- Recently brush hogged & clear cut

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

Project Code: W23E07a

SOIL

Sampling Point: D12

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-6	10YR4/2	100					Sil	
6-20	10YR5/4	65	10YR5/8	25	C	M	Sicl	
		10	10YR5/1	10	D	M		

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Dark Surface (S7) (**LRR R, MLRA 149B**)
- ___ Polyvalue Below Surface (S8) (**LRR R, MLRA 149B**)
- ___ Thin Dark Surface (S9) (**LRR R, MLRA 149B**)
- ___ Loamy Mucky Mineral (F1) (**LRR K, L**)
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ___ 2 cm Muck (A10) (**LRR K, L, MLRA 149B**)
- ___ Coast Prairie Redox (A16) (**LRR K, L, R**)
- ___ 5 cm Mucky Peat or Peat (S3) (**LRR K, L, R**)
- ___ Dark Surface (S7) (**LRR K, L, M**)
- ___ Polyvalue Below Surface (S8) (**LRR K, L**)
- ___ Thin Dark Surface (S9) (**LRR K, L**)
- ___ Iron-Manganese Masses (F12) (**LRR K, L, R**)
- ___ Piedmont Floodplain Soils (F19) (**MLRA 149B**)
- ___ Mesic Spodic (TA6) (**MLRA 144A, 145, 149B**)
- ___ Red Parent Material (TF2)
- ___ Very Shallow Dark Surface (TF12)
- ___ Other (Explain in Remarks)

[3] Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: NONE

Depth (inches): N/A

Hydric Soil Present? Yes ____ No X

Remarks:

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

Project Code: W23E07a

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: SBLC – 999 Campbell Blvd & 1860 & 1920 N. French Road Town/County: Amherst/Erie County Sampling Date: April 11, 2023

Applicant/Owner: Cimato Enterprises State: New York Sampling Point: D13

Investigator(s): Scott Livingstone & Tom Somerville Section, Township, Range: 27.00-2-29; 27.04-1-20 & 27.04-1-16.1

Landform (hillslope, terrace, etc.): LAKE Plain Local relief (concave, convex, none): CONVEX Slope (%): 2

Subregion (LRR or MLRA) LRRL Lat: 43.04048°N Long: -78.75508°W Datum: NAD83

Soil Map Unit Name: WORMVILLE CLAY LOAM NWI classification: N/A

Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No ____ (If no, explain in Remarks.)

Are Vegetation X, Soil ____, or Hydrology ____ significantly disturbed? Are "Normal Circumstances" present? Yes X No ____

Are Vegetation ____, Soil ____, or Hydrology ____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS : Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes ____	No X	**Is the Sampled Area within a Wetland?** Yes ____ No X
Hydric Soil Present?	Yes ____	No X	
Wetland Hydrology Present?	Yes ____	No X	If yes, optional Wetland Site ID: N/A

Remarks: (Explain alternative procedures here or in a separate report.)

UPLAND BRUSHY CLEARED LAND

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ___ Surface Water (A1)
- ___ High Water Table (A2)
- ___ Saturation (A3)
- ___ Water Marks (B1)
- ___ Sediment Deposits (B2)
- ___ Drift Deposits (B3)
- ___ Algal Mat or Crust (B4)
- ___ Iron Deposits (B5)
- ___ Inundation Visible on Aerial Imagery (B7)
- ___ Sparsely Vegetated Concave Surface (B8)
- ___ Water-Stained Leaves (B9)
- ___ Aquatic Fauna (B13)
- ___ Marl Deposits (B15)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres on Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ___ Surface Soil Cracks (B6)
- ___ Drainage Patterns (B10)
- ___ Moss Trim Lines (B16)
- ___ Dry-Season W ater Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Stunted or Stressed Plants (D1)
- ___ Geomorphic Position (D2)
- ___ Shallow Aquitard (D3)
- ___ Microtopographic Relief (D4)
- ___ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present?	Yes ____	No X	Depth (inches): N/A
Water Table Present?	Yes ____	No X	Depth (inches): N/A
Saturation Present? (includes capillary fringe)	Yes ____	No X	Depth (inches): N/A

Wetland Hydrology Present? Yes ____ No X

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

Project Code: W23E07a

VEGETATION : Use scientific names of plants. Sampling Point: D13

Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status
1.			
2.			
3.			
4.			
5.			
6.			
7.			
= Total Cover			

Sapling/Shrub Stratum (Plot size: 15')			
1.			
2.			
3.			
4.			
5.			
6.			
7.			
= Total Cover			

Herb Stratum (Plot size: 5')			
1. Poa annua	6	Y	FACW
2. Lolium perenne	5	Y	FACW
3.			
4.			
5.			
6.			
7.			
8.			
9.			
10.			
11.			
12.			
11 = Total Cover			

Woody Vine Stratum (Plot size: 30')			
1.			
2.			
3.			
4.			
= Total Cover			

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 0 (A)

Total Number of Dominant Species Across All Strata: 2 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 0% (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	-	x 1 =	-
FACW species	-	x 2 =	-
FAC species	-	x 3 =	-
FACU species	11	x 4 =	44
UPL species	-	x 5 =	-
Column Totals:	11 (A)		44 (B)

Prevalence Index = B/A = 4.0

Hydrophytic Vegetation Indicators:

- ___ 1 - Rapid Test for Hydrophytic Vegetation
- ___ 2 - Dominance Test is >50%
- ___ 3 - Prevalence Index is < 3.0[1]
- ___ 4 - Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)
- ___ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Definitions of Vegetation Strata:

Tree - Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft (1 m) tall.

Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vines - All woody vines greater than 3.28 ft in height.

Community Type: Brushy Cleared Land

Hydrophytic Vegetation Present? Yes ___ No X

Remarks: (Include photo numbers here or on a separate sheet.)

Photo # P17 **Direction of Photo** North

- Recently brush hogged & clear cut

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

SOIL

Sampling Point: D13

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-6	10YR3/1	100					S:L	
6-20	10YR5/3	75	10YR5/8	25	C	M	S:CL	

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Dark Surface (S7) **(LRR R, MLRA 149B)**
- ___ Polyvalue Below Surface (S8) **(LRR R, MLRA 149B)**
- ___ Thin Dark Surface (S9) **(LRR R, MLRA 149B)**
- ___ Loamy Mucky Mineral (F1) **(LRR K, L)**
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ___ 2 cm Muck (A10) **(LRR K, L, MLRA 149B)**
- ___ Coast Prairie Redox (A16) **(LRR K, L, R)**
- ___ 5 cm Mucky Peat or Peat (S3) **(LRR K, L, R)**
- ___ Dark Surface (S7) **(LRR K, L, M)**
- ___ Polyvalue Below Surface (S8) **(LRR K, L)**
- ___ Thin Dark Surface (S9) **(LRR K, L)**
- ___ Iron-Manganese Masses (F12) **(LRR K, L, R)**
- ___ Piedmont Floodplain Soils (F19) **(MLRA 149B)**
- ___ Mesic Spodic (TA6) **(MLRA 144A, 145, 149B)**
- ___ Red Parent Material (TF2)
- ___ Very Shallow Dark Surface (TF12)
- ___ Other (Explain in Remarks)

[3] Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: NONE

Depth (inches): N/A

Hydric Soil Present? Yes ____ No X

Remarks:

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

Project Code: W23E07a

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: SBLC – 999 Campbell Blvd & 1860 & 1920 N. French Road Town/County: Amherst/Erie County Sampling Date: April 11, 2023

Applicant/Owner: Cimato Enterprises State: New York Sampling Point: D14

Investigator(s): Scott Livingstone & Tom Somerville Section, Township, Range: 27.00-2-29; 27.04-1-20 & 27.04-1-16.1

Landform (hillslope, terrace, etc.): RIDGE Local relief (concave, convex, none): CONVEX Slope (%): 4

Subregion (LRR or MLRA) LRRL Lat: 43.04027°N Long: -78.75608°W Datum: NAD83

Soil Map Unit Name: WORMVILLE CLAY LOAM NWI classification: N/A

Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No ____ (If no, explain in Remarks.)

Are Vegetation ____, Soil ____, or Hydrology ____ significantly disturbed? Are "Normal Circumstances" present? Yes X No ____

Are Vegetation ____, Soil ____, or Hydrology ____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS : Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes ____	No X	**Is the Sampled Area within a Wetland?** Yes ____ No X
Hydric Soil Present?	Yes ____	No X	
Wetland Hydrology Present?	Yes ____	No X	If yes, optional Wetland Site ID: N/A

Remarks: (Explain alternative procedures here or in a separate report.)

UPLAND WOODS

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ___ Surface Water (A1)
- ___ High Water Table (A2)
- ___ Saturation (A3)
- ___ Water Marks (B1)
- ___ Sediment Deposits (B2)
- ___ Drift Deposits (B3)
- ___ Algal Mat or Crust (B4)
- ___ Iron Deposits (B5)
- ___ Inundation Visible on Aerial Imagery (B7)
- ___ Sparsely Vegetated Concave Surface (B8)
- ___ Water-Stained Leaves (B9)
- ___ Aquatic Fauna (B13)
- ___ Marl Deposits (B15)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres on Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ___ Surface Soil Cracks (B6)
- ___ Drainage Patterns (B10)
- ___ Moss Trim Lines (B16)
- ___ Dry-Season W ater Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Stunted or Stressed Plants (D1)
- ___ Geomorphic Position (D2)
- ___ Shallow Aquitard (D3)
- ___ Microtopographic Relief (D4)
- ___ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present?	Yes ____	No X	Depth (inches): N/A
Water Table Present?	Yes ____	No X	Depth (inches): N/A
Saturation Present? (includes capillary fringe)	Yes ____	No X	Depth (inches): N/A

Wetland Hydrology Present? Yes ____ No X

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

Project Code: W23E07a

VEGETATION : Use scientific names of plants. Sampling Point: D14

Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status
1. Quercus rubra	80	Y	FACU
2.			
3.			
4.			
5.			
6.			
7.			
	80	= Total Cover	

Sapling/Shrub Stratum (Plot size: 15')			
1. Rosa multiflora	18	Y	FACU
2. Quercus rubra	10	Y	FACU
3. Fraxinus americana	8	Y	FACU
4. Cornus racemosa	4	N	FAC
5.			
6.			
7.			
	40	= Total Cover	

Herb Stratum (Plot size: 5')			
1. Rubus idaeus	3	N	FACU
2.			
3.			
4.			
5.			
6.			
7.			
8.			
9.			
10.			
11.			
12.			
	3	= Total Cover	

Woody Vine Stratum (Plot size: 30')			
1. Vitis aestivalis	12	Y	FACU
2. Toxicodendron radicans	5	Y	FAC
3.			
4.			
	17	= Total Cover	

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 1 (A)

Total Number of Dominant Species Across All Strata: 6 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 17% (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	–	x 1 =	–
FACW species	–	x 2 =	–
FAC species	9	x 3 =	27
FACU species	131	x 4 =	524
UPL species	–	x 5 =	–
Column Totals:	140 (A)		551 (B)

Prevalence Index = B/A = 3.94

Hydrophytic Vegetation Indicators:

__ 1 - Rapid Test for Hydrophytic Vegetation

__ 2 - Dominance Test is >50%

__ 3 - Prevalence Index is < 3.0[1]

__ 4 - Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)

__ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Definitions of Vegetation Strata:

Tree - Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft (1 m) tall.

Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vines - All woody vines greater than 3.28 ft in height.

Community Type: Successional N. Hardwoods

Hydrophytic Vegetation Present? Yes ____ No X

Remarks: (Include photo numbers here or on a separate sheet.)

Photo # P18 Direction of Photo East

-semi mature oak woods

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

SOIL

Sampling Point: D14

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-10	10YR4/3	100					L	
10-20	10YR5/4	100					L	

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Dark Surface (S7) **(LRR R, MLRA 149B)**
- ___ Polyvalue Below Surface (S8) **(LRR R, MLRA 149B)**
- ___ Thin Dark Surface (S9) **(LRR R, MLRA 149B)**
- ___ Loamy Mucky Mineral (F1) **(LRR K, L)**
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ___ 2 cm Muck (A10) **(LRR K, L, MLRA 149B)**
- ___ Coast Prairie Redox (A16) **(LRR K, L, R)**
- ___ 5 cm Mucky Peat or Peat (S3) **(LRR K, L, R)**
- ___ Dark Surface (S7) **(LRR K, L, M)**
- ___ Polyvalue Below Surface (S8) **(LRR K, L)**
- ___ Thin Dark Surface (S9) **(LRR K, L)**
- ___ Iron-Manganese Masses (F12) **(LRR K, L, R)**
- ___ Piedmont Floodplain Soils (F19) **(MLRA 149B)**
- ___ Mesic Spodic (TA6) **(MLRA 144A, 145, 149B)**
- ___ Red Parent Material (TF2)
- ___ Very Shallow Dark Surface (TF12)
- ___ Other (Explain in Remarks)

[3] Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: NONE

Depth (inches): N/A

Hydric Soil Present? Yes ____ No X

Remarks:

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

Project Code: W23E07a

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: SBLC – 999 Campbell Blvd & 1860 & 1920 N. French Road Town/County: Amherst/Erie County Sampling Date: April 11, 2023

Applicant/Owner: Cimato Enterprises State: New York Sampling Point: D15

Investigator(s): Scott Livingstone & Tom Somerville Section, Township, Range: 27.00-2-29; 27.04-1-20 & 27.04-1-16.1

Landform (hillslope, terrace, etc.): Depression Local relief (concave, convex, none): CONCAVE Slope (%): 4

Subregion (LRR or MLRA) LRRL Lat: 43.03638°N Long: -78.75509°W Datum: NAD83

Soil Map Unit Name: WAYLAND SOILS COMPLEX, 0-3% NWI classification: PEM

Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No ____ (If no, explain in Remarks.)

Are Vegetation ____, Soil ____, or Hydrology ____ significantly disturbed? Are "Normal Circumstances" present? Yes X No ____

Are Vegetation ____, Soil ____, or Hydrology ____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS : Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes X No ____	**Is the Sampled Area within a Wetland?**	Yes X No ____
Hydric Soil Present?	Yes X No ____		
Wetland Hydrology Present?	Yes X No ____	If yes, optional Wetland Site ID:	W2

Remarks: (Explain alternative procedures here or in a separate report.)

• W2-1 -> W2-143 (OPEN)

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- X Surface Water (A1)
- X High Water Table (A2)
- X Saturation (A3)
- X Water Marks (B1)
- X Sediment Deposits (B2)
- X Drift Deposits (B3)
- X Algal Mat or Crust (B4)
- X Iron Deposits (B5)
- X Inundation Visible on Aerial Imagery (B7)
- __ Sparsely Vegetated Concave Surface (B8)
- X Water-Stained Leaves (B9)
- __ Aquatic Fauna (B13)
- __ Marl Deposits (B15)
- X Hydrogen Sulfide Odor (C1)
- __ Oxidized Rhizospheres on Living Roots (C3)
- X Presence of Reduced Iron (C4)
- __ Recent Iron Reduction in Tilled Soils (C6)
- __ Thin Muck Surface (C7)
- __ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- __ Surface Soil Cracks (B6)
- __ Drainage Patterns (B10)
- __ Moss Trim Lines (B16)
- __ Dry-Season W ater Table (C2)
- __ Crayfish Burrows (C8)
- __ Saturation Visible on Aerial Imagery (C9)
- __ Stunted or Stressed Plants (D1)
- __ Geomorphic Position (D2)
- __ Shallow Aquitard (D3)
- __ Microtopographic Relief (D4)
- __ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present?	Yes X	No ____	Depth (inches): 4-12+" INUNDATED
Water Table Present?	Yes X	No ____	Depth (inches): INUNDATED
Saturation Present? (includes capillary fringe)	Yes X	No ____	Depth (inches): INUNDATED

Wetland Hydrology Present? Yes X No ____

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

Project Code: W23E07a

VEGETATION : Use scientific names of plants. Sampling Point: D15

Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status
1. Acer rubrum	10	Y	FAC
2.			
3.			
4.			
5.			
6.			
7.			
	10	= Total Cover	

Sapling/Shrub Stratum (Plot size: 15')			
1. Cornus amomum	30	Y	FACW
2. Salix discolor	12	Y	FACW
3. Rosa multiflora	10	N	FACU
4.			
5.			
6.			
7.			
	52	= Total Cover	

Herb Stratum (Plot size: 5')			
1. Carex crinita	25	Y	OBL
2. Phalaris arundinacea	20	Y	FACW
3. Sagittaria latifolia	15	Y	OBL
4. Scirpus cyperinus	10	N	OBL
5.			
6.			
7.			
8.			
9.			
10.			
11.			
12.			
	70	= Total Cover	

Woody Vine Stratum (Plot size: 30')			
1. Toxicodendron radicans	10	Y	FAC
2.			
3.			
4.			
	10	= Total Cover	

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 7 (A)

Total Number of Dominant Species Across All Strata: 7 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 100% (A/B)

Prevalence Index worksheet:

Total % Cover of:	Multiply by:
OBL species	x 1 =
FACW species	x 2 =
FAC species	x 3 =
FACU species	x 4 =
UPL species	x 5 =
Column Totals: (A)	(B)

Prevalence Index = B/A =

Hydrophytic Vegetation Indicators:

- ___ 1 - Rapid Test for Hydrophytic Vegetation
- X 2 - Dominance Test is >50%
- ___ 3 - Prevalence Index is < 3.0[1]
- ___ 4 - Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)
- ___ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Definitions of Vegetation Strata:

Tree - Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft (1 m) tall.

Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vines - All woody vines greater than 3.28 ft in height.

Community Type: Scrub-Shrub Swamp

Hydrophytic Vegetation Present? Yes X No ___ PSS2E

Remarks: (Include photo numbers here or on a separate sheet.)

Photo # P19 **Direction of Photo** Southeast

- open water component

Wetland W2

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

Project Code: W23E07a

SOIL Sampling Point: D15

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-20	10YR3/1	95	10YR5/8	5	C	M	Sil	

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Dark Surface (S7) (**LRR R, MLRA 149B**)
- ___ Polyvalue Below Surface (S8) (**LRR R, MLRA 149B**)
- ___ Thin Dark Surface (S9) (**LRR R, MLRA 149B**)
- ___ Loamy Mucky Mineral (F1) (**LRR K, L**)
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- X Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ___ 2 cm Muck (A10) (**LRR K, L, MLRA 149B**)
- ___ Coast Prairie Redox (A16) (**LRR K, L, R**)
- ___ 5 cm Mucky Peat or Peat (S3) (**LRR K, L, R**)
- ___ Dark Surface (S7) (**LRR K, L, M**)
- ___ Polyvalue Below Surface (S8) (**LRR K, L**)
- ___ Thin Dark Surface (S9) (**LRR K, L**)
- ___ Iron-Manganese Masses (F12) (**LRR K, L, R**)
- ___ Piedmont Floodplain Soils (F19) (**MLRA 149B**)
- ___ Mesic Spodic (TA6) (**MLRA 144A, 145, 149B**)
- ___ Red Parent Material (TF2)
- ___ Very Shallow Dark Surface (TF12)
- ___ Other (Explain in Remarks)

[3] Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: NONE

Depth (inches): N/A

Hydric Soil Present? Yes X No ___

Remarks:

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

Project Code: W23E07a

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: SBLC – 999 Campbell Blvd & 1860 & 1920 N. French Road Town/County: Amherst/Erie County Sampling Date: April 11, 2023

Applicant/Owner: Cimato Enterprises State: New York Sampling Point: D16

Investigator(s): Scott Livingstone & Tom Somerville Section, Township, Range: 27.00-2-29; 27.04-1-20 & 27.04-1-16.1

Landform (hillslope, terrace, etc.): RIDGE Local relief (concave, convex, none): CONVEX Slope (%): 5

Subregion (LRR or MLRA) LRRL Lat: 43.03639 °N Long: -78.75505°W Datum: NAD83

Soil Map Unit Name: SWORMVILLE CLAY LOAM NW I classification: N/A

Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No ____ (If no, explain in Remarks.)

Are Vegetation ____, Soil ____, or Hydrology ____ significantly disturbed? Are "Normal Circumstances" present? Yes X No ____

Are Vegetation ____, Soil ____, or Hydrology ____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS : Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes ____	No X	**Is the Sampled Area within a Wetland?** Yes ____ No X
Hydric Soil Present?	Yes ____	No X	
Wetland Hydrology Present?	Yes ____	No X	If yes, optional Wetland Site ID: N/A

Remarks: (Explain alternative procedures here or in a separate report.)

UPLAND SCRUB/SHRUB COMMUNITY

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ___ Surface Water (A1)
- ___ High Water Table (A2)
- ___ Saturation (A3)
- ___ Water Marks (B1)
- ___ Sediment Deposits (B2)
- ___ Drift Deposits (B3)
- ___ Algal Mat or Crust (B4)
- ___ Iron Deposits (B5)
- ___ Inundation Visible on Aerial Imagery (B7)
- ___ Sparsely Vegetated Concave Surface (B8)
- ___ Water-Stained Leaves (B9)
- ___ Aquatic Fauna (B13)
- ___ Marl Deposits (B15)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres on Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ___ Surface Soil Cracks (B6)
- ___ Drainage Patterns (B10)
- ___ Moss Trim Lines (B16)
- ___ Dry-Season W ater Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Stunted or Stressed Plants (D1)
- ___ Geomorphic Position (D2)
- ___ Shallow Aquitard (D3)
- ___ Microtopographic Relief (D4)
- ___ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present?	Yes ____	No X	Depth (inches): N/A
Water Table Present?	Yes ____	No X	Depth (inches): N/A
Saturation Present? (includes capillary fringe)	Yes ____	No X	Depth (inches): N/A

Wetland Hydrology Present? Yes ____ No X

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

Project Code: W23E07a

VEGETATION : Use scientific names of plants. Sampling Point: D16

Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status
1.			
2.			
3.			
4.			
5.			
6.			
7.			
	= Total Cover		

Sapling/Shrub Stratum (Plot size: 15')			
1. Rosa multiflora	35	Y	FACW
2. Cornus racemosa	15	Y	FAC
3. Fraxinus americana	15	Y	FACW
4. Rhamnus cathartica	10	N	FAC
5.			
6.			
7.			
	75 = Total Cover		

Herb Stratum (Plot size: 5')			
1. Alliaria petiolata	15	Y	FACU
2. Rosa multiflora	15	Y	FACW
3. Rubus allegheniensis	12	Y	FACU
4. Brassica nigra	5	N	NI
5.			
6.			
7.			
8.			
9.			
10.			
11.			
12.			
	47 = Total Cover		

Woody Vine Stratum (Plot size: 30')			
1. Vitis aestivalis	30	Y	FACW
2.			
3.			
4.			
	30 = Total Cover		

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 1 (A)

Total Number of Dominant Species Across All Strata: 7 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 14% (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	–	x 1 =	–
FACW species	–	x 2 =	–
FAC species	25	x 3 =	75
FACU species	122	x 4 =	488
UPL species	–	x 5 =	–
Column Totals:	152 (A)		563 (B)

Prevalence Index = B/A = 3.70

Hydrophytic Vegetation Indicators:

__ 1 - Rapid Test for Hydrophytic Vegetation

__ 2 - Dominance Test is >50%

__ 3 - Prevalence Index is < 3.0[1]

__ 4 - Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)

__ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Definitions of Vegetation Strata:

Tree - Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft (1 m) tall.

Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vines - All woody vines greater than 3.28 ft in height.

Community Type: Successional Shrubland

Hydrophytic Vegetation Present? Yes ____ No X

Remarks: (Include photo numbers here or on a separate sheet.)

Photo # P20 **Direction of Photo** North

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

Project Code: W23E07a

SOIL

Sampling Point: D16

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-8	10YR 4/2	100					Si L	
8-20	10YR 5/4	80	10YR 5/6	10	C	M	Si L+	
			10YR 5/2	10	D	M		

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Dark Surface (S7) (**LRR R, MLRA 149B**)
- ___ Polyvalue Below Surface (S8) (**LRR R, MLRA 149B**)
- ___ Thin Dark Surface (S9) (**LRR R, MLRA 149B**)
- ___ Loamy Mucky Mineral (F1) (**LRR K, L**)
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ___ 2 cm Muck (A10) (**LRR K, L, MLRA 149B**)
- ___ Coast Prairie Redox (A16) (**LRR K, L, R**)
- ___ 5 cm Mucky Peat or Peat (S3) (**LRR K, L, R**)
- ___ Dark Surface (S7) (**LRR K, L, M**)
- ___ Polyvalue Below Surface (S8) (**LRR K, L**)
- ___ Thin Dark Surface (S9) (**LRR K, L**)
- ___ Iron-Manganese Masses (F12) (**LRR K, L, R**)
- ___ Piedmont Floodplain Soils (F19) (**MLRA 149B**)
- ___ Mesic Spodic (TA6) (**MLRA 144A, 145, 149B**)
- ___ Red Parent Material (TF2)
- ___ Very Shallow Dark Surface (TF12)
- ___ Other (Explain in Remarks)

[3] Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: NONE

Depth (inches): N/A

Hydric Soil Present? Yes ____ No X

Remarks:

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

Project Code: W23E07a

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: SBLC – 999 Campbell Blvd & 1860 & 1920 N. French Road Town/County: Amherst/Erie County Sampling Date: July 29, 2024

Applicant/Owner: Cimato Enterprises State: New York Sampling Point: D17

Investigator(s): Scott Livingstone & Jody Celeste Section, Township, Range: 27.00-2-29; 27.04-1-20 & 27.04-1-16.1

Landform (hillslope, terrace, etc.): Depression Local relief (concave, convex, none): CONCAVE Slope (%): 0

Subregion (LRR or MLRA) LRRL Lat: 43.03716 Long: -78.75777 Datum: NAD83

Soil Map Unit Name: SWORMVILLE CLAY LOAM NW I classification: PEM

Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No _____ (If no, explain in Remarks.)

Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes X No _____

Are Vegetation _____, Soil _____, or Hydrology _____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS : Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes X	No _____	**Is the Sampled Area within a Wetland?** Yes X No _____
Hydric Soil Present?	Yes X	No _____	
Wetland Hydrology Present?	Yes X	No _____	If yes, optional Wetland Site ID: W4

Remarks: (Explain alternative procedures here or in a separate report.)

• W4-1 -> W4-4 (CLOSED/ISOLATED)

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required: check all that apply)

- ___ Surface Water (A1)
- ___ High Water Table (A2)
- ___ Saturation (A3)
- ___ Water Marks (B1)
- ___ Sediment Deposits (B2)
- ___ Drift Deposits (B3)
- ___ Algal Mat or Crust (B4)
- ___ Iron Deposits (B5)
- ___ Inundation Visible on Aerial Imagery (B7)
- ___ Sparsely Vegetated Concave Surface (B8)
- X Water-Stained Leaves (B9)
- ___ Aquatic Fauna (B13)
- ___ Marl Deposits (B15)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres on Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ___ Surface Soil Cracks (B6)
- ___ Drainage Patterns (B10)
- ___ Moss Trim Lines (B16)
- ___ Dry-Season W ater Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Stunted or Stressed Plants (D1)
- ___ Geomorphic Position (D2)
- ___ Shallow Aquitard (D3)
- ___ Microtopographic Relief (D4)
- ___ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present? Yes _____ No X Depth (inches): N/A

Water Table Present? Yes _____ No X Depth (inches): N/A

Saturation Present? (includes capillary fringe) Yes _____ No X Depth (inches): N/A

Wetland Hydrology Present? Yes X No _____

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

Project Code: W23E07a

VEGETATION : Use scientific names of plants. Sampling Point: D17

Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status
1. NA			
2.			
3.			
4.			
5.			
6.			
7.			
	0 = Total Cover		

Sapling/Shrub Stratum (Plot size: 15')			
1. NA			
2.			
3.			
4.			
5.			
6.			
7.			
	0 = Total Cover		

Herb Stratum (Plot size: 5')			
1. PHALARIS ARUNDINACEA	15	Y	FACW
2. JUNCUS EFFUSUS	5	N	OBL
3. LYTHRUM SALICARIA	10	Y	
4. JUNCUS CANADENSIS	5	N	
5.			
6.			
7.			
8.			
9.			
10.			
11.			
12.			
	35 = Total Cover		

Woody Vine Stratum (Plot size: 30')			
1. NA			
2.			
3.			
4.			
	0 = Total Cover		

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 2 (A)

Total Number of Dominant Species Across All Strata: 2 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 100 (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	20	x 1 =	20
FACW species	15	x 2 =	30
FAC species	0	x 3 =	0
FACU species	0	x 4 =	0
UPL species	0	x 5 =	0
Column Totals:	35 (A)		50 (B)

Prevalence Index = B/A = 1.42

Hydrophytic Vegetation Indicators:

- ✓ 1 - Rapid Test for Hydrophytic Vegetation
- ✓ 2 - Dominance Test is >50%
- ✓ 3 - Prevalence Index is < 3.0[1]
- ___ 4 - Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)
- ___ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Definitions of Vegetation Strata:

Tree - Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft (1 m) tall.

Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vines - All woody vines greater than 3.28 ft in height.

PEM WET MEADOW

Community Type: _____

Hydrophytic Vegetation Present? Yes X No ___

Remarks: (Include photo numbers here or on a separate sheet.)

Photo # 22 **Direction of Photo** WEST

W4

1-4

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

Project Code: W23E07a

SOIL

Sampling Point: D17

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-7	10YR6/1	85	10YR5/8	15	C	M	SiC	
7-20	7.5YR5/6	85	10YR6/1	15	C	M	SiC	

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Dark Surface (S7) (**LRR R, MLRA 149B**)
- ___ Polyvalue Below Surface (S8) (**LRR R, MLRA 149B**)
- ___ Thin Dark Surface (S9) (**LRR R, MLRA 149B**)
- ___ Loamy Mucky Mineral (F1) (**LRR K, L**)
- ___ Loamy Gleyed Matrix (F2)
- ☒ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ___ 2 cm Muck (A10) (**LRR K, L, MLRA 149B**)
- ___ Coast Prairie Redox (A16) (**LRR K, L, R**)
- ___ 5 cm Mucky Peat or Peat (S3) (**LRR K, L, R**)
- ___ Dark Surface (S7) (**LRR K, L, M**)
- ___ Polyvalue Below Surface (S8) (**LRR K, L**)
- ___ Thin Dark Surface (S9) (**LRR K, L**)
- ___ Iron-Manganese Masses (F12) (**LRR K, L, R**)
- ___ Piedmont Floodplain Soils (F19) (**MLRA 149B**)
- ___ Mesic Spodic (TA6) (**MLRA 144A, 145, 149B**)
- ___ Red Parent Material (TF2)
- ___ Very Shallow Dark Surface (TF12)
- ___ Other (Explain in Remarks)

[3] Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: NONE.

Depth (inches): N/A

Hydric Soil Present? Yes X No ___

Remarks:

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

Project Code: W23E07a

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: SBLC – 999 Campbell Blvd & 1860 & 1920 N. French Road Town/County: Amherst/Erie County Sampling Date: July 29, 2024

Applicant/Owner: Cimato Enterprises State: New York Sampling Point: D18

Investigator(s): Scott Livingstone & Jody Celeste Section, Township, Range: 27.00-2-29, 27.04-1-20 & 27.04-1-16.1

Landform (hillslope, terrace, etc.): Fill PAD Local relief (concave, convex, none): CONVEX Slope (%): 3

Subregion (LRR or MLRA) LRRL Lat: 43.03717 Long: -78.75772 Datum: NAD83

Soil Map Unit Name: Swormville Clay loam NWI classification: N/A

Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No ____ (If no, explain in Remarks.)

Are Vegetation ____, Soil X, or Hydrology ____ significantly disturbed? Are "Normal Circumstances" present? Yes X No ____

Are Vegetation ____, Soil ____, or Hydrology ____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS : Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes ____	No X	**Is the Sampled Area within a Wetland?** Yes ____ No X
Hydric Soil Present?	Yes ____	No X	
Wetland Hydrology Present?	Yes ____	No X	If yes, optional Wetland Site ID: N/A

Remarks: (Explain alternative procedures here or in a separate report.)

UPLAND SUCCESSIONAL FIELD / FILL PAD

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ___ Surface Water (A1)
- ___ High Water Table (A2)
- ___ Saturation (A3)
- ___ Water Marks (B1)
- ___ Sediment Deposits (B2)
- ___ Drift Deposits (B3)
- ___ Algal Mat or Crust (B4)
- ___ Iron Deposits (B5)
- ___ Inundation Visible on Aerial Imagery (B7)
- ___ Sparsely Vegetated Concave Surface (B8)
- ___ Water-Stained Leaves (B9)
- ___ Aquatic Fauna (B13)
- ___ Marl Deposits (B15)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres on Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ___ Surface Soil Cracks (B6)
- ___ Drainage Patterns (B10)
- ___ Moss Trim Lines (B16)
- ___ Dry-Season W ater Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Stunted or Stressed Plants (D1)
- ___ Geomorphic Position (D2)
- ___ Shallow Aquitard (D3)
- ___ Microtopographic Relief (D4)
- ___ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present?	Yes ____	No X	Depth (inches): N/A
Water Table Present?	Yes ____	No X	Depth (inches): N/A
Saturation Present? (includes capillary fringe)	Yes ____	No X	Depth (inches): N/A

Wetland Hydrology Present? Yes ____ No X

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

Project Code: W23E07a

VEGETATION : Use scientific names of plants. Sampling Point: D18

Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status
1. NA			
2.			
3.			
4.			
5.			
6.			
7.	0		
	= Total Cover		

Sapling/Shrub Stratum (Plot size: 15')			
1. NA			
2.			
3.			
4.			
5.			
6.			
7.			
	0 = Total Cover		

Herb Stratum (Plot size: 5')			
1. Solidago canadensis	10	Y	FACW
2. " speciosa	5	N	NI
3. " rugosa	5	N	FAC
4. Euthamia graminifolia	15	Y	↓
5. Centaurea stoebe	10	Y	NI
6. Dipsacus fullonum	20	Y	FACW
7. Lotus corniculatus	10	Y	FACW
8. Vicia sativa	10	Y	FACW
9. Fraxinus pennsylvanica	5	N	FACW
10. Cirsium arvense	5	N	FACW
11.			
12.			
	95 = Total Cover		

Woody Vine Stratum (Plot size: 30')			
1. NA			
2.			
3.			
4.			
	0 = Total Cover		

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 0 (A)

Total Number of Dominant Species Across All Strata: 6 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 0 (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1 =	0
FACW species	5	x 2 =	10
FAC species	20	x 3 =	60
FACU species	55	x 4 =	220
UPL species	0	x 5 =	0
Column Totals:	80 (A)		290 (B)

Prevalence Index = B/A = 3.625

Hydrophytic Vegetation Indicators:

__ 1 - Rapid Test for Hydrophytic Vegetation

__ 2 - Dominance Test is >50%

__ 3 - Prevalence Index is < 3.0[1]

__ 4 - Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)

__ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Definitions of Vegetation Strata:

Tree - Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft (1 m) tall.

Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vines - All woody vines greater than 3.28 ft in height.

Community Type: SUCCESSIONAL OLD FIELD

Hydrophytic Vegetation Present? Yes __ No X

Remarks: (Include photo numbers here or on a separate sheet.)

Photo # 23 Direction of Photo EAST

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

Project Code: W23E07a

SOIL Sampling Point: D18

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-1	10YR 4/2	100					grsil	Fill

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Dark Surface (S7) **(LRR R, MLRA 149B)**
- ___ Polyvalue Below Surface (S8) **(LRR R, MLRA 149B)**
- ___ Thin Dark Surface (S9) **(LRR R, MLRA 149B)**
- ___ Loamy Mucky Mineral (F1) **(LRR K, L)**
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ___ 2 cm Muck (A10) **(LRR K, L, MLRA 149B)**
- ___ Coast Prairie Redox (A16) **(LRR K, L, R)**
- ___ 5 cm Mucky Peat or Peat (S3) **(LRR K, L, R)**
- ___ Dark Surface (S7) **(LRR K, L, M)**
- ___ Polyvalue Below Surface (S8) **(LRR K, L)**
- ___ Thin Dark Surface (S9) **(LRR K, L)**
- ___ Iron-Manganese Masses (F12) **(LRR K, L, R)**
- ___ Piedmont Floodplain Soils (F19) **(MLRA 149B)**
- ___ Mesic Spodic (TA6) **(MLRA 144A, 145, 149B)**
- ___ Red Parent Material (TF2)
- ___ Very Shallow Dark Surface (TF12)
- ___ Other (Explain in Remarks)

[3] Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (If observed):

Type: HARD FILL

Depth (inches): 1"

Hydric Soil Present? Yes ____ No X

Remarks:

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

Project Code: W23E07a

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: SBLC – 999 Campbell Blvd & 1860 & 1920 N. French Road Town/County: Amherst/Erie County Sampling Date: July 29, 2024

Applicant/Owner: Cimato Enterprises State: New York Sampling Point: D19

Investigator(s): Scott Livingstone & Jody Celeste Section, Township, Range: 27.00-2-29; 27.04-1-20 & 27.04-1-16.1

Landform (hillslope, terrace, etc.): Depression Local relief (concave, convex, none): CONCAVE Slope (%): C1

Subregion (LRR or MLRA) LRRL Lat: 43.03837 Long: -78.75734 Datum: NAD83

Soil Map Unit Name: Swormville Clay loam NWI classification: PEM

Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No ____ (If no, explain in Remarks.)

Are Vegetation ____, Soil ____, or Hydrology ____ significantly disturbed? Are "Normal Circumstances" present? Yes X No ____

Are Vegetation ____, Soil ____, or Hydrology ____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS : Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes X	No ____	**Is the Sampled Area within a Wetland?** Yes X No ____
Hydric Soil Present?	Yes X	No ____	
Wetland Hydrology Present?	Yes X	No ____	If yes, optional Wetland Site ID: W5

Remarks: (Explain alternative procedures here or in a separate report.)

• W5-1 → W5-6 (CLOSED/ISOLATED)

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ___ Surface Water (A1)
- ___ High Water Table (A2)
- ___ Saturation (A3)
- ___ Water Marks (B1)
- ___ Sediment Deposits (B2)
- ___ Drift Deposits (B3)
- ___ Algal Mat or Crust (B4)
- ___ Iron Deposits (B5)
- ___ Inundation Visible on Aerial Imagery (B7)
- ___ Sparsely Vegetated Concave Surface (B8)
- X Water-Stained Leaves (B9)
- ___ Aquatic Fauna (B13)
- ___ Marl Deposits (B15)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres on Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ___ Surface Soil Cracks (B6)
- ___ Drainage Patterns (B10)
- ___ Moss Trim Lines (B16)
- ___ Dry-Season W ater Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Stunted or Stressed Plants (D1)
- ___ Geomorphic Position (D2)
- ___ Shallow Aquitard (D3)
- ___ Microtopographic Relief (D4)
- ___ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present?	Yes ____	No X	Depth (inches): N/A
Water Table Present?	Yes ____	No X	Depth (inches): N/A
Saturation Present? (includes capillary fringe)	Yes ____	No X	Depth (inches): N/A

Wetland Hydrology Present? Yes X No ____

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

Project Code: W23E07a

VEGETATION : Use scientific names of plants. Sampling Point: D19

Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status
1. NA			
2.			
3.			
4.			
5.			
6.			
7.			
	0 = Total Cover		

Sapling/Shrub Stratum (Plot size: 15')			
1. NA			
2.			
3.			
4.			
5.			
6.			
7.			
	0 = Total Cover		

Herb Stratum (Plot size: 5')			
1. Typha angustifolia	30	Y	OBL
2. Juncus effusus	25	Y	↓
3. Carex scoparia	10	N	FACW
4. Oxalis corniculata	5	N	FACW
5. Solidago canadensis	5	N	↓
6. Populus deltoides	5	N	FAC
7. Lythrum salicaria	5	N	OBL
8. Glycine max	5	N	NI
9.			
10.			
11.			
12.			
	90 = Total Cover		

Woody Vine Stratum (Plot size: 30')			
1. NA			
2.			
3.			
4.			
	0 = Total Cover		

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 2 (A)

Total Number of Dominant Species Across All Strata: 2 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 100 (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	60	x 1 =	60
FACW species	10	x 2 =	20
FAC species	5	x 3 =	15
FACU species	10	x 4 =	40
UPL species	0	x 5 =	0
Column Totals:	85 (A)		135 (B)

Prevalence Index = B/A = 1.58

Hydrophytic Vegetation Indicators:

- ✓ 1 - Rapid Test for Hydrophytic Vegetation
- ✓ 2 - Dominance Test is >50%
- ✓ 3 - Prevalence Index is < 3.0[1]
- ___ 4 - Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)
- ___ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Definitions of Vegetation Strata:

Tree - Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft (1 m) tall.

Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vines - All woody vines greater than 3.28 ft in height.

1 WS PEM

Community Type: WET MEADOW

Hydrophytic Vegetation Present? Yes X No ___

Remarks: (Include photo numbers here or on a separate sheet.)

Photo # 24 Direction of Photo NORTH

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

SOIL Sampling Point: D19

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-6	10YR 4/1	85	10YR 5/8	15	C	M	Si	
6-20	10YR 5/1	75	10YR 5/8	25	C	M	Si	

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Dark Surface (S7) **(LRR R, MLRA 149B)**
- ___ Polyvalue Below Surface (S8) **(LRR R, MLRA 149B)**
- ___ Thin Dark Surface (S9) **(LRR R, MLRA 149B)**
- ___ Loamy Mucky Mineral (F1) **(LRR K, L)**
- ___ Loamy Gleyed Matrix (F2)
- X Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ___ 2 cm Muck (A10) **(LRR K, L, MLRA 149B)**
- ___ Coast Prairie Redox (A16) **(LRR K, L, R)**
- ___ 5 cm Mucky Peat or Peat (S3) **(LRR K, L, R)**
- ___ Dark Surface (S7) **(LRR K, L, M)**
- ___ Polyvalue Below Surface (S8) **(LRR K, L)**
- ___ Thin Dark Surface (S9) **(LRR K, L)**
- ___ Iron-Manganese Masses (F12) **(LRR K, L, R)**
- ___ Piedmont Floodplain Soils (F19) **(MLRA 149B)**
- ___ Mesic Spodic (TA6) **(MLRA 144A, 145, 149B)**
- ___ Red Parent Material (TF2)
- ___ Very Shallow Dark Surface (TF12)
- ___ Other (Explain in Remarks)

[3] Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: NONE

Depth (inches): N/A

Hydric Soil Present? Yes X No ___

Remarks:

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

Project Code: W23E07a

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: SBLC – 999 Campbell Blvd & 1860 & 1920 N. French Road Town/County: Amherst/Erie County Sampling Date: July 29, 2024

Applicant/Owner: Cimato Enterprises State: New York Sampling Point: D20

Investigator(s): Scott Livingstone & Jody Celeste Section, Township, Range: 27.00-2-29; 27.04-1-20 & 27.04-1-16.1

Landform (hillslope, terrace, etc.): Lake Plain Local relief (concave, convex, none): CONVEX Slope (%): 2

Subregion (LRR or MLRA) LRRL Lat: 43.03644 Long: -78.75743 Datum: NAD83

Soil Map Unit Name: Swormville Clay loam NWI classification: N/A

Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No ____ (If no, explain in Remarks.)

Are Vegetation X, Soil ____, or Hydrology ____ significantly disturbed? Are "Normal Circumstances" present? Yes X No ____

Are Vegetation ____, Soil ____, or Hydrology ____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS : Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes ____	No X	**Is the Sampled Area within a Wetland?** Yes ____ No X
Hydric Soil Present?	Yes ____	No X	
Wetland Hydrology Present?	Yes ____	No X	If yes, optional Wetland Site ID: N/A

Remarks: (Explain alternative procedures here or in a separate report.)

UPLAND SOYBEAN FIELD

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ___ Surface Water (A1)
- ___ High Water Table (A2)
- ___ Saturation (A3)
- ___ Water Marks (B1)
- ___ Sediment Deposits (B2)
- ___ Drift Deposits (B3)
- ___ Algal Mat or Crust (B4)
- ___ Iron Deposits (B5)
- ___ Inundation Visible on Aerial Imagery (B7)
- ___ Sparsely Vegetated Concave Surface (B8)
- ___ Water-Stained Leaves (B9)
- ___ Aquatic Fauna (B13)
- ___ Marl Deposits (B15)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres on Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ___ Surface Soil Cracks (B6)
- ___ Drainage Patterns (B10)
- ___ Moss Trim Lines (B16)
- ___ Dry-Season W ater Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Stunted or Stressed Plants (D1)
- ___ Geomorphic Position (D2)
- ___ Shallow Aquitard (D3)
- ___ Microtopographic Relief (D4)
- ___ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present?	Yes ____	No X	Depth (inches): N/A
Water Table Present?	Yes ____	No X	Depth (inches): N/A
Saturation Present? (includes capillary fringe)	Yes ____	No X	Depth (inches): N/A

Wetland Hydrology Present? Yes ____ No X

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

Project Code: W23E07a

VEGETATION : Use scientific names of plants. Sampling Point: D2U

Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status
1. NA			
2.			
3.			
4.			
5.			
6.			
7.			
	= Total Cover		

Sapling/Shrub Stratum (Plot size: 15')			
1. NA			
2.			
3.			
4.			
5.			
6.			
7.			
	= Total Cover		

Herb Stratum (Plot size: 5')			
1. Glycine MAX	20	Y	NI
2. Agrostis Stolonifera	2	N	FACW
3. Echinochloa crus-galli	3	N	FAC
4. Verbena urticifolia	2	N	FAC
5. Cirsium arvense	3	N	FACU
6.			
7.			
8.			
9.			
10.			
11.			
12.			
	90 = Total Cover		

Woody Vine Stratum (Plot size: 30')			
1. NA			
2.			
3.			
4.			
	0 = Total Cover		

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 0 (A)

Total Number of Dominant Species Across All Strata: 1 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 0 (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1 =	0
FACW species	2	x 2 =	4
FAC species	5	x 3 =	15
FACU species	3	x 4 =	12
UPL species	0	x 5 =	0
Column Totals:	10 (A)		31 (B)

Prevalence Index = B/A = 3.10

Hydrophytic Vegetation Indicators:

- 1 - Rapid Test for Hydrophytic Vegetation
- 2 - Dominance Test is >50%
- 3 - Prevalence Index is < 3.0[1]
- 4 - Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)
- Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Definitions of Vegetation Strata:

Tree - Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft (1 m) tall.

Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vines - All woody vines greater than 3.28 ft in height.

RAW CROPS

Community Type: Agricultural FIELD

Hydrophytic Vegetation Present? Yes ____ No + FIELD CROP

Remarks: (Include photo numbers here or on a separate sheet.)

Photo # 25 Direction of Photo WEST

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

Project Code: W23E07a

SOIL Sampling Point: D20

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-5	7.5YR4/3	95	10YR5/6	5	C	M	Silt	
5-20	7.5YR4/4	85	10YR5/6	15	C	M	SiCl	

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Dark Surface (S7) **(LRR R, MLRA 149B)**
- ___ Polyvalue Below Surface (S8) **(LRR R, MLRA 149B)**
- ___ Thin Dark Surface (S9) **(LRR R, MLRA 149B)**
- ___ Loamy Mucky Mineral (F1) **(LRR K, L)**
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ___ 2 cm Muck (A10) **(LRR K, L, MLRA 149B)**
- ___ Coast Prairie Redox (A16) **(LRR K, L, R)**
- ___ 5 cm Mucky Peat or Peat (S3) **(LRR K, L, R)**
- ___ Dark Surface (S7) **(LRR K, L, M)**
- ___ Polyvalue Below Surface (S8) **(LRR K, L)**
- ___ Thin Dark Surface (S9) **(LRR K, L)**
- ___ Iron-Manganese Masses (F12) **(LRR K, L, R)**
- ___ Piedmont Floodplain Soils (F19) **(MLRA 149B)**
- ___ Mesic Spodic (TA6) **(MLRA 144A, 145, 149B)**
- ___ Red Parent Material (TF2)
- ___ Very Shallow Dark Surface (TF12)
- ___ Other (Explain in Remarks)

[3] Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: NONE

Depth (inches): N/A

Hydric Soil Present? Yes ____ No X

Remarks:

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

Project Code: W23E07a

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: SBLC – 999 Campbell Blvd & 1860 & 1920 N. French Road Town/County: Amherst/Erie County Sampling Date: July 29, 2024

Applicant/Owner: Cimato Enterprises State: New York Sampling Point: DZ1

Investigator(s): Scott Livingstone & Jody Celeste Section, Township, Range: 27.00-2-29; 27.04-1-20 & 27.04-1-16.1

Landform (hillslope, terrace, etc.): Depression Local relief (concave, convex, none): CONCAVE Slope (%): 0

Subregion (LRR or MLRA) LRRL Lat: 43.03913 Long: -78.75672 Datum: NAD83

Soil Map Unit Name: Swormville Clay loam NWI classification: PEM

Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No ____ (If no, explain in Remarks.)

Are Vegetation ____, Soil ____, or Hydrology ____ significantly disturbed? Are "Normal Circumstances" present? Yes X No ____

Are Vegetation ____, Soil ____, or Hydrology ____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS : Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes X	No ____	Is the Sampled Area within a Wetland? Yes X No ____
Hydric Soil Present?	Yes X	No ____	
Wetland Hydrology Present?	Yes X	No ____	If yes, optional Wetland Site ID: W6

Remarks: (Explain alternative procedures here or in a separate report.)

- W6-1 → W6-6 (CLOSED/ISOLATED)

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ___ Surface Water (A1)
- ___ High Water Table (A2)
- X Saturation (A3)
- ___ Water Marks (B1)
- ___ Sediment Deposits (B2)
- ___ Drift Deposits (B3)
- ___ Algal Mat or Crust (B4)
- ___ Iron Deposits (B5)
- ___ Inundation Visible on Aerial Imagery (B7)
- ___ Sparsely Vegetated Concave Surface (B8)
- X Water-Stained Leaves (B9)
- ___ Aquatic Fauna (B13)
- ___ Marl Deposits (B15)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres on Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ___ Surface Soil Cracks (B6)
- ___ Drainage Patterns (B10)
- ___ Moss Trim Lines (B16)
- ___ Dry-Season W ater Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Stunted or Stressed Plants (D1)
- ___ Geomorphic Position (D2)
- ___ Shallow Aquitard (D3)
- ___ Microtopographic Relief (D4)
- ___ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present?	Yes ____	No X	Depth (inches): N/A
Water Table Present?	Yes ____	No X	Depth (inches): N/A
Saturation Present? (includes capillary fringe)	Yes X	No ____	Depth (inches): Surface

Wetland Hydrology Present? Yes X No ____

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

Project Code: W23E07a

VEGETATION : Use scientific names of plants. Sampling Point: D21

Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status
1. NA			
2.			
3.			
4.			
5.			
6.			
7.			
	0 = Total Cover		

Sapling/Shrub Stratum (Plot size: 15')			
1. NA			
2.			
3.			
4.			
5.			
6.			
7.			
	0 = Total Cover		

Herb Stratum (Plot size: 5')			
1. Leersia oryzoides	10	Y	OBL
2. Typha latifolia	5	Y	↓
3. Echinochloa crus-galli	5	Y	FAC
4. Ludwigia palustris	5	Y	OBL
5. Juncus effusus	5	Y	↓
6. Glycine max	5	Y	NI
7. Epilobium coloratum	2	N	OBL
8. Verbena hastata	2	N	FACW
9. Glyceria striata	2	N	OBL
10.			
11.			
12.			
	41 = Total Cover		

Woody Vine Stratum (Plot size: 30')			
1. NA			
2.			
3.			
4.			
	0 = Total Cover		

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 5 (A)

Total Number of Dominant Species Across All Strata: 6 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 83 (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	29	x 1 =	29
FACW species	2	x 2 =	4
FAC species	5	x 3 =	15
FACU species	0	x 4 =	0
UPL species	0	x 5 =	0
Column Totals:	36 (A)		48 (B)

Prevalence Index = B/A = 1.33

Hydrophytic Vegetation Indicators:

- ✓ 1 - Rapid Test for Hydrophytic Vegetation
- ✓ 2 - Dominance Test is >50%
- ✓ 3 - Prevalence Index is < 3.0[1]
- ___ 4 - Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)
- ___ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Definitions of Vegetation Strata:

Tree - Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft (1 m) tall.

Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vines - All woody vines greater than 3.28 ft in height.

Community Type: WL PEM SHALLOW EME MARSH

Hydrophytic Vegetation Present? Yes X No ___

Remarks: (Include photo numbers here or on a separate sheet.)

Photo # 26 Direction of Photo NORTH

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

Project Code: W23E07a

SOIL Sampling Point: D21

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-4	10YR3/1	95	10YR5/8	5	C	M	Si]+	
4-20	10YR5/1	85	10YR5/8	15	C	M	Sic	

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Dark Surface (S7) **(LRR R, MLRA 149B)**
- ___ Polyvalue Below Surface (S8) **(LRR R, MLRA 149B)**
- ___ Thin Dark Surface (S9) **(LRR R, MLRA 149B)**
- ___ Loamy Mucky Mineral (F1) **(LRR K, L)**
- ___ Loamy Gleyed Matrix (F2)
- X Depleted Matrix (F3)
- X Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ___ 2 cm Muck (A10) **(LRR K, L, MLRA 149B)**
- ___ Coast Prairie Redox (A16) **(LRR K, L, R)**
- ___ 5 cm Mucky Peat or Peat (S3) **(LRR K, L, R)**
- ___ Dark Surface (S7) **(LRR K, L, M)**
- ___ Polyvalue Below Surface (S8) **(LRR K, L)**
- ___ Thin Dark Surface (S9) **(LRR K, L)**
- ___ Iron-Manganese Masses (F12) **(LRR K, L, R)**
- ___ Piedmont Floodplain Soils (F19) **(MLRA 149B)**
- ___ Mesic Spodic (TA6) **(MLRA 144A, 145, 149B)**
- ___ Red Parent Material (TF2)
- ___ Very Shallow Dark Surface (TF12)
- ___ Other (Explain in Remarks)

[3] Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: NONE

Depth (inches): N/A

Hydric Soil Present? Yes X No ___

Remarks:

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

Project Code: W23E07a

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: SBLC – 999 Campbell Blvd & 1860 & 1920 N. French Road Town/County: Amherst/Erie County Sampling Date: July 29, 2024

Applicant/Owner: Cimato Enterprises State: New York Sampling Point: DZZ

Investigator(s): Scott Livingstone & Jody Celeste Section, Township, Range: 27.00-2-29; 27.04-1-20 & 27.04-1-16.1

Landform (hillslope, terrace, etc.): LAKE Agic Local relief (concave, convex, none): CONVEX Slope (%): 2

Subregion (LRR or MLRA) LRRL Lat: 43.03911 Long: -78.75662 Datum: NAD83

Soil Map Unit Name: Swormville Clay loam NWI classification: N/A

Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No ____ (If no, explain in Remarks.)

Are Vegetation X, Soil ____, or Hydrology ____ significantly disturbed? Are "Normal Circumstances" present? Yes X No ____

Are Vegetation ____, Soil ____, or Hydrology ____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS : Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes ____	No X	**Is the Sampled Area within a Wetland?** Yes ____ No X
Hydric Soil Present?	Yes ____	No X	
Wetland Hydrology Present?	Yes ____	No X	If yes, optional Wetland Site ID: N/A

Remarks: (Explain alternative procedures here or in a separate report.)

UPLAND SOYBEAN FIELD

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ___ Surface Water (A1)
- ___ High Water Table (A2)
- ___ Saturation (A3)
- ___ Water Marks (B1)
- ___ Sediment Deposits (B2)
- ___ Drift Deposits (B3)
- ___ Algal Mat or Crust (B4)
- ___ Iron Deposits (B5)
- ___ Inundation Visible on Aerial Imagery (B7)
- ___ Sparsely Vegetated Concave Surface (B8)
- ___ Water-Stained Leaves (B9)
- ___ Aquatic Fauna (B13)
- ___ Marl Deposits (B15)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres on Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ___ Surface Soil Cracks (B6)
- ___ Drainage Patterns (B10)
- ___ Moss Trim Lines (B16)
- ___ Dry-Season W ater Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Stunted or Stressed Plants (D1)
- ___ Geomorphic Position (D2)
- ___ Shallow Aquitard (D3)
- ___ Microtopographic Relief (D4)
- ___ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present?	Yes ____	No X	Depth (inches): N/A
Water Table Present?	Yes ____	No X	Depth (inches): N/A
Saturation Present? (includes capillary fringe)	Yes ____	No X	Depth (inches): N/A

Wetland Hydrology Present? Yes ____ No X

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

Project Code: W23E07a

VEGETATION : Use scientific names of plants. Sampling Point: D22

Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status
1. NA			
2.			
3.			
4.			
5.			
6.			
7.			
	0 = Total Cover		

Sapling/Shrub Stratum (Plot size: 15')			
1. NA			
2.			
3.			
4.			
5.			
6.			
7.			
	0 = Total Cover		

Herb Stratum (Plot size: 5')			
1. Solidago canadensis	5	N	FACW
2. Galinsoga quadriradiata	5	N	FACW
3. Rosa multiflora	5	N	FACU
4. Echinochloa crus-galli	5	N	FAC
5. Ambrosia artemisiifolia	5	N	FACU
6. Toxicodendron radicans	5	N	FAC
7. Phytolacca americana	10	Y	FACU
8. Solanum nigrum	10	Y	FACU
9. Glycine max	20	Y	NI
10. Vitis aestivalis	2	N	FACU
11. Oxalis corniculata	5	N	FACU
12.			
	77 = Total Cover		

Woody Vine Stratum (Plot size: 30')			
1. NA			
2.			
3.			
4.			
	0 = Total Cover		

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 0 (A)

Total Number of Dominant Species Across All Strata: 3 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 0 (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1 =	0
FACW species	0	x 2 =	0
FAC species	10	x 3 =	30
FACU species	47	x 4 =	188
UPL species	0	x 5 =	0
Column Totals:	57 (A)		218 (B)

Prevalence Index = B/A = 3.82

Hydrophytic Vegetation Indicators:

- ~~1 - Rapid Test for Hydrophytic Vegetation~~
- 2 - Dominance Test is >50%
- 3 - Prevalence Index is < 3.0[1]
- 4 - Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)
- Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Definitions of Vegetation Strata:

Tree - Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft (1 m) tall.

Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vines - All woody vines greater than 3.28 ft in height.

Community Type: AGRICULTURAL FIELD ROW CROP

Hydrophytic Vegetation Present? Yes ____ No +

Remarks: (Include photo numbers here or on a separate sheet.)

Photo # 27 Direction of Photo EAST

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

SOIL

Sampling Point: D22

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-5	10YR 4/2	100					Sil+	
5-20	10YR 5/3	90	10YR 5/6	10	C	M	Sic	

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Dark Surface (S7) (**LRR R, MLRA 149B**)
- ___ Polyvalue Below Surface (S8) (**LRR R, MLRA 149B**)
- ___ Thin Dark Surface (S9) (**LRR R, MLRA 149B**)
- ___ Loamy Mucky Mineral (F1) (**LRR K, L**)
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ___ 2 cm Muck (A10) (**LRR K, L, MLRA 149B**)
- ___ Coast Prairie Redox (A16) (**LRR K, L, R**)
- ___ 5 cm Mucky Peat or Peat (S3) (**LRR K, L, R**)
- ___ Dark Surface (S7) (**LRR K, L, M**)
- ___ Polyvalue Below Surface (S8) (**LRR K, L**)
- ___ Thin Dark Surface (S9) (**LRR K, L**)
- ___ Iron-Manganese Masses (F12) (**LRR K, L, R**)
- ___ Piedmont Floodplain Soils (F19) (**MLRA 149B**)
- ___ Mesic Spodic (TA6) (**MLRA 144A, 145, 149B**)
- ___ Red Parent Material (TF2)
- ___ Very Shallow Dark Surface (TF12)
- ___ Other (Explain in Remarks)

[3] Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: NONE

Depth (inches): N/A

Hydric Soil Present? Yes ____ No X

Remarks:

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

Project Code: W23E07a

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: SBLC – 999 Campbell Blvd & 1860 & 1920 N. French Road Town/County: Amherst/Erie County Sampling Date: July 29, 2024

Applicant/Owner: Cimato Enterprises State: New York Sampling Point: D23

Investigator(s): Scott Livingstone & Jody Celeste Section, Township, Range: 27.00-2-29; 27.04-1-20 & 27.04-1-16.1

Landform (hillslope, terrace, etc.): LAKE PLAIN Local relief (concave, convex, none): NONE Slope (%): 1

Subregion (LRR or MLRA) LRRL Lat: 43.04087 Long: -78.75645 Datum: NAD83

Soil Map Unit Name: WAYLAND Soils Complex, 0-3% NW I classification: N/A

Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No _____ (If no, explain in Remarks.)

Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes X No _____

Are Vegetation _____, Soil _____, or Hydrology _____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS : Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes _____	No X	**Is the Sampled Area within a Wetland?** Yes _____ No X
Hydric Soil Present?	Yes _____	No X	
Wetland Hydrology Present?	Yes _____	No X	If yes, optional Wetland Site ID: N/A

Remarks: (Explain alternative procedures here or in a separate report.)

UPLAND FIELD

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- __ Surface Water (A1)
- __ High Water Table (A2)
- __ Saturation (A3)
- __ Water Marks (B1)
- __ Sediment Deposits (B2)
- __ Drift Deposits (B3)
- __ Algal Mat or Crust (B4)
- __ Iron Deposits (B5)
- __ Inundation Visible on Aerial Imagery (B7)
- __ Sparsely Vegetated Concave Surface (B8)
- __ Water-Stained Leaves (B9)
- __ Aquatic Fauna (B13)
- __ Marl Deposits (B15)
- __ Hydrogen Sulfide Odor (C1)
- __ Oxidized Rhizospheres on Living Roots (C3)
- __ Presence of Reduced Iron (C4)
- __ Recent Iron Reduction in Tilled Soils (C6)
- __ Thin Muck Surface (C7)
- __ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- __ Surface Soil Cracks (B6)
- __ Drainage Patterns (B10)
- __ Moss Trim Lines (B16)
- __ Dry-Season W ater Table (C2)
- __ Crayfish Burrows (C8)
- __ Saturation Visible on Aerial Imagery (C9)
- __ Stunted or Stressed Plants (D1)
- __ Geomorphic Position (D2)
- __ Shallow Aquitard (D3)
- __ Microtopographic Relief (D4)
- __ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present?	Yes _____	No X	Depth (inches): N/A
Water Table Present?	Yes _____	No X	Depth (inches): N/A
Saturation Present? (includes capillary fringe)	Yes _____	No X	Depth (inches): N/A

Wetland Hydrology Present? Yes _____ No X

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

Project Code: W23E07a

VEGETATION : Use scientific names of plants. Sampling Point: D23

Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status
1. NA			
2.			
3.			
4.			
5.			
6.			
7.			
	0 = Total Cover		

Sapling/Shrub Stratum (Plot size: 15')			
1. NA			
2.			
3.			
4.			
5.			
6.			
7.			
	0 = Total Cover		

Herb Stratum (Plot size: 5')			
1. GLYCINE MAX	15	Y	NI
2. Solidago canadensis	10	Y	FACU
3. Bidens frondosa	5	N	FACW
4. Rumex Acetosa	5	N	UPL
5. Cirsium arvense	10	Y	FAC
6. Galinsoga quadriradiata	10	Y	
7. Phytolacca Americana	5	N	
8. Oxalis corniculata	5	N	
9. Rubus idaeus	5	N	
10. Agrostis stolonifera	5	N	FACW
11. Echinochloa crus-galli	10	Y	FAC
12. ERECHTITES HIERACIFOLIA	15	Y	NI
	100 = Total Cover		

Woody Vine Stratum (Plot size: 30')			
1. NA			
2.			
3.			
4.			
	0 = Total Cover		

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 1 (A)

Total Number of Dominant Species Across All Strata: 6 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 17 (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1 =	0
FACW species	10	x 2 =	20
FAC species	10	x 3 =	30
FACU species	45	x 4 =	180
UPL species	5	x 5 =	25
Column Totals:	70 (A)		255 (B)

Prevalence Index = B/A = 3.64

Hydrophytic Vegetation Indicators:

__ 1 - Rapid Test for Hydrophytic Vegetation

__ 2 - Dominance Test is >50%

__ 3 - Prevalence Index is < 3.0[1]

__ 4 - Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)

__ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Definitions of Vegetation Strata:

Tree - Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft (1 m) tall.

Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vines - All woody vines greater than 3.28 ft in height.

Community Type: SUCCESSIONAL OLD FIELD

Hydrophytic Vegetation Present? Yes __ No X

Remarks: (Include photo numbers here or on a separate sheet.)

Photo # 28 Direction of Photo NORTH

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

Project Code: W23E07a

SOIL

Sampling Point: D23

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-5	10YR4/1	100					Silt	
5-20	10YR5/3	90	10YR5/6	10	C	M	Sicl	

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Dark Surface (S7) **(LRR R, MLRA 149B)**
- ___ Polyvalue Below Surface (S8) **(LRR R, MLRA 149B)**
- ___ Thin Dark Surface (S9) **(LRR R, MLRA 149B)**
- ___ Loamy Mucky Mineral (F1) **(LRR K, L)**
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ___ 2 cm Muck (A10) **(LRR K, L, MLRA 149B)**
- ___ Coast Prairie Redox (A16) **(LRR K, L, R)**
- ___ 5 cm Mucky Peat or Peat (S3) **(LRR K, L, R)**
- ___ Dark Surface (S7) **(LRR K, L, M)**
- ___ Polyvalue Below Surface (S8) **(LRR K, L)**
- ___ Thin Dark Surface (S9) **(LRR K, L)**
- ___ Iron-Manganese Masses (F12) **(LRR K, L, R)**
- ___ Piedmont Floodplain Soils (F19) **(MLRA 149B)**
- ___ Mesic Spodic (TA6) **(MLRA 144A, 145, 149B)**
- ___ Red Parent Material (TF2)
- ___ Very Shallow Dark Surface (TF12)
- ___ Other (Explain in Remarks)

[3] Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: NONE

Depth (inches): N/A

Hydric Soil Present? Yes ____ No X

Remarks:

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

Project Code: W23E07a

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: SBLC – 999 Campbell Blvd & 1860 & 1920 N. French Road Town/County: Amherst/Erie County Sampling Date: July 29, 2024

Applicant/Owner: Cimato Enterprises State: New York Sampling Point: D24

Investigator(s): Scott Livingstone & Jody Celeste Section, Township, Range: 27.00-2-29; 27.04-1-20 & 27.04-1-16.1

Landform (hillslope, terrace, etc.): LAKE Main Local relief (concave, convex, none): CONVEX Slope (%): 2

Subregion (LRR or MLRA) LRRL Lat: 43.04095 Long: -78.75446 Datum: NAD83

Soil Map Unit Name: Swormville Clay loam NWI classification: N/A

Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No ____ (If no, explain in Remarks.)

Are Vegetation X, Soil ____, or Hydrology ____ significantly disturbed? Are "Normal Circumstances" present? Yes X No ____

Are Vegetation ____, Soil ____, or Hydrology ____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS : Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes ____	No X	**Is the Sampled Area within a Wetland?** Yes ____ No X
Hydric Soil Present?	Yes ____	No X	
Wetland Hydrology Present?	Yes ____	No X	If yes, optional Wetland Site ID: N/A

Remarks: (Explain alternative procedures here or in a separate report.)

UPLAND SOYBEAN FIELD

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ___ Surface Water (A1)
- ___ High Water Table (A2)
- ___ Saturation (A3)
- ___ Water Marks (B1)
- ___ Sediment Deposits (B2)
- ___ Drift Deposits (B3)
- ___ Algal Mat or Crust (B4)
- ___ Iron Deposits (B5)
- ___ Inundation Visible on Aerial Imagery (B7)
- ___ Sparsely Vegetated Concave Surface (B8)
- ___ Water-Stained Leaves (B9)
- ___ Aquatic Fauna (B13)
- ___ Marl Deposits (B15)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres on Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ___ Surface Soil Cracks (B6)
- ___ Drainage Patterns (B10)
- ___ Moss Trim Lines (B16)
- ___ Dry-Season W ater Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Stunted or Stressed Plants (D1)
- ___ Geomorphic Position (D2)
- ___ Shallow Aquitard (D3)
- ___ Microtopographic Relief (D4)
- ___ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present?	Yes ____	No X	Depth (inches): N/A
Water Table Present?	Yes ____	No X	Depth (inches): N/A
Saturation Present? (includes capillary fringe)	Yes ____	No X	Depth (inches): N/A

Wetland Hydrology Present? Yes ____ No X

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

Project Code: W23E07a

VEGETATION : Use scientific names of plants. Sampling Point: D2

Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status
1. NA			
2.			
3.			
4.			
5.			
6.			
7.			
	0 = Total Cover		

Sapling/Shrub Stratum (Plot size: 15')			
1. NA			
2.			
3.			
4.			
5.			
6.			
7.			
	0 = Total Cover		

Herb Stratum (Plot size: 5')			
1. LUDWIGIA PALUSTRIS	2	N	OBL
2. GLYCINE MAX	25	Y	NI
3. ECHINOCHLOA CRUS-GALLI	10	Y	FAC
4. RUMEX ACETOSA	5	N	FACW
5. CIRSIUM ARVENSE	5	N	FACW
6. OXALIS CORNICULATA	10	Y	
7. PLANTAGO MAJOR	5	N	
8. PHYTOLACCA AMERICANA	2	N	
9. SOLANUM NIGRUM	5	N	FACW
10.			
11.			
12.			
	69 = Total Cover		

Woody Vine Stratum (Plot size: 30')			
1. NA			
2.			
3.			
4.			
	0 = Total Cover		

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 1 (A)

Total Number of Dominant Species Across All Strata: 3 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 33 (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	2	x 1 =	2
FACW species	0	x 2 =	0
FAC species	10	x 3 =	30
FACU species	32	x 4 =	128
UPL species	0	x 5 =	0
Column Totals:	44 (A)		160 (B)

Prevalence Index = B/A = 3.63

Hydrophytic Vegetation Indicators:

- 1 - Rapid Test for Hydrophytic Vegetation
- 2 - Dominance Test is >50%
- 3 - Prevalence Index is < 3.0[1]
- 4 - Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)
- Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Definitions of Vegetation Strata:

Tree - Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft (1 m) tall.

Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vines - All woody vines greater than 3.28 ft in height.

Community Type: FARM FIELD (SOYBEANS)

Hydrophytic Vegetation Present? Yes ____ No X

Remarks: (Include photo numbers here or on a separate sheet.)

Photo # 29 Direction of Photo WEST

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

Project Code: W23E07a

SOIL Sampling Point: D29

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-4	10YR4/2	100						
4-20	10YR5/4	90	10YR5/6	10	C	M		

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Dark Surface (S7) **(LRR R, MLRA 149B)**
- ___ Polyvalue Below Surface (S8) **(LRR R, MLRA 149B)**
- ___ Thin Dark Surface (S9) **(LRR R, MLRA 149B)**
- ___ Loamy Mucky Mineral (F1) **(LRR K, L)**
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ___ 2 cm Muck (A10) **(LRR K, L, MLRA 149B)**
- ___ Coast Prairie Redox (A16) **(LRR K, L, R)**
- ___ 5 cm Mucky Peat or Peat (S3) **(LRR K, L, R)**
- ___ Dark Surface (S7) **(LRR K, L, M)**
- ___ Polyvalue Below Surface (S8) **(LRR K, L)**
- ___ Thin Dark Surface (S9) **(LRR K, L)**
- ___ Iron-Manganese Masses (F12) **(LRR K, L, R)**
- ___ Piedmont Floodplain Soils (F19) **(MLRA 149B)**
- ___ Mesic Spodic (TA6) **(MLRA 144A, 145, 149B)**
- ___ Red Parent Material (TF2)
- ___ Very Shallow Dark Surface (TF12)
- ___ Other (Explain in Remarks)

[3] Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: NONE

Depth (inches): N/A

Hydric Soil Present? Yes ____ No X

Remarks:

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

Project Code: W23E07a

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: SBLC – 999 Campbell Blvd & 1860 & 1920 N. French Road Town/County: Amherst/Erie County Sampling Date: July 29, 2024

Applicant/Owner: Cimato Enterprises State: New York Sampling Point: D25

Investigator(s): Scott Livingstone & Jody Celeste Section, Township, Range: 27.00-2-29; 27.04-1-20 & 27.04-1-16.1

Landform (hillslope, terrace, etc.): Lake plain Local relief (concave, convex, none): CONVEX Slope (%): 2

Subregion (LRR or MLRA) LRRL Lat: 43.04062 Long: -78.75562 Datum: NAD83

Soil Map Unit Name: Swormville Clay loam NWI classification: N/A

Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No _____ (If no, explain in Remarks.)

Are Vegetation X, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes X No _____

Are Vegetation _____, Soil _____, or Hydrology _____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS : Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes _____	No X	**Is the Sampled Area within a Wetland?** Yes _____ No X
Hydric Soil Present?	Yes _____	No X	
Wetland Hydrology Present?	Yes _____	No X	If yes, optional Wetland Site ID: N/A

Remarks: (Explain alternative procedures here or in a separate report.)

UPLAND SOYBEAN FIELD

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- __ Surface Water (A1)
- __ High Water Table (A2)
- __ Saturation (A3)
- __ Water Marks (B1)
- __ Sediment Deposits (B2)
- __ Drift Deposits (B3)
- __ Algal Mat or Crust (B4)
- __ Iron Deposits (B5)
- __ Inundation Visible on Aerial Imagery (B7)
- __ Sparsely Vegetated Concave Surface (B8)
- __ Water-Stained Leaves (B9)
- __ Aquatic Fauna (B13)
- __ Marl Deposits (B15)
- __ Hydrogen Sulfide Odor (C1)
- __ Oxidized Rhizospheres on Living Roots (C3)
- __ Presence of Reduced Iron (C4)
- __ Recent Iron Reduction in Tilled Soils (C6)
- __ Thin Muck Surface (C7)
- __ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- __ Surface Soil Cracks (B6)
- __ Drainage Patterns (B10)
- __ Moss Trim Lines (B16)
- __ Dry-Season W ater Table (C2)
- __ Crayfish Burrows (C8)
- __ Saturation Visible on Aerial Imagery (C9)
- __ Stunted or Stressed Plants (D1)
- __ Geomorphic Position (D2)
- __ Shallow Aquitard (D3)
- __ Microtopographic Relief (D4)
- __ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present?	Yes _____	No X	Depth (inches): N/A
Water Table Present?	Yes _____	No X	Depth (inches): N/A
Saturation Present? (includes capillary fringe)	Yes _____	No X	Depth (inches): N/A

Wetland Hydrology Present? Yes _____ No X

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

Project Code: W23E07a

VEGETATION : Use scientific names of plants. Sampling Point: D25

Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status
1. NA			
2.			
3.			
4.			
5.			
6.			
7.			
	0 = Total Cover		

Sapling/Shrub Stratum (Plot size: 15')			
1. NA			
2.			
3.			
4.			
5.			
6.			
7.			
	0 = Total Cover		

Herb Stratum (Plot size: 5')			
1. Glycine max	20	Y	NI
2. Vitis aestivalis	5	N	FACW
3. Solidago canadensis	5	N	FACW
4. Rubus idaeus	15	Y	FACW
5. Euthamia graminifolia	5	N	FAC
6. Phytolacca americana	5	N	FACU
7.			
8.			
9.			
10.			
11.			
12.			
	55 = Total Cover		

Woody Vine Stratum (Plot size: 30')			
1. NA			
2.			
3.			
4.			
	0 = Total Cover		

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 0 (A)

Total Number of Dominant Species Across All Strata: 2 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 0 (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1 =	0
FACW species	0	x 2 =	0
FAC species	5	x 3 =	15
FACU species	30	x 4 =	120
UPL species	0	x 5 =	0
Column Totals:	35 (A)		135 (B)

Prevalence Index = B/A = 3.85

Hydrophytic Vegetation Indicators:

- ~~1 - Rapid Test for Hydrophytic Vegetation~~
- __ 2 - Dominance Test is >50%
- __ 3 - Prevalence Index is < 3.0[1]
- __ 4 - Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)
- __ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Definitions of Vegetation Strata:

Tree - Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft (1 m) tall.

Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vines - All woody vines greater than 3.28 ft in height.

Community Type: FARM FIELD (SOYBEANS)

Hydrophytic Vegetation Present? Yes ____ No X

Remarks: (Include photo numbers here or on a separate sheet.)

Photo # 30 Direction of Photo WEST

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

Project Code: W23E07a

SOIL

Sampling Point: D25

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-3	10YR4/2	100					Silt	
3-20	10YR5/4	85	10YR5/6	15	C	M	Sicl	

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Dark Surface (S7) **(LRR R, MLRA 149B)**
- ___ Polyvalue Below Surface (S8) **(LRR R, MLRA 149B)**
- ___ Thin Dark Surface (S9) **(LRR R, MLRA 149B)**
- ___ Loamy Mucky Mineral (F1) **(LRR K, L)**
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ___ 2 cm Muck (A10) **(LRR K, L, MLRA 149B)**
- ___ Coast Prairie Redox (A16) **(LRR K, L, R)**
- ___ 5 cm Mucky Peat or Peat (S3) **(LRR K, L, R)**
- ___ Dark Surface (S7) **(LRR K, L, M)**
- ___ Polyvalue Below Surface (S8) **(LRR K, L)**
- ___ Thin Dark Surface (S9) **(LRR K, L)**
- ___ Iron-Manganese Masses (F12) **(LRR K, L, R)**
- ___ Piedmont Floodplain Soils (F19) **(MLRA 149B)**
- ___ Mesic Spodic (TA6) **(MLRA 144A, 145, 149B)**
- ___ Red Parent Material (TF2)
- ___ Very Shallow Dark Surface (TF12)
- ___ Other (Explain in Remarks)

[3] Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: NONE

Depth (inches): N/A

Hydric Soil Present? Yes ____ No X

Remarks:

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

Project Code: W23E07a

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: SBLC – 999 Campbell Blvd & 1860 & 1920 N. French Road Town/County: Amherst/Erie County Sampling Date: July 29, 2024

Applicant/Owner: Cimato Enterprises State: New York Sampling Point: DZ6

Investigator(s): Scott Livingstone & Jody Celeste Section, Township, Range: 27.00-2-29; 27.04-1-20 & 27.04-1-16.1

Landform (hillslope, terrace, etc.): Depression Local relief (concave, convex, none): CONCAVE Slope (%): 1

Subregion (LRR or MLRA) LRRL Lat: 43.04036 Long: -78.75454 Datum: NAD83

Soil Map Unit Name: Swormville Clay Loam NWI classification: N/A

Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No ____ (If no, explain in Remarks.)

Are Vegetation X, Soil ____, or Hydrology ____ significantly disturbed? Are "Normal Circumstances" present? Yes X No ____

Are Vegetation ____, Soil ____, or Hydrology ____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS : Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes X No ____	**Is the Sampled Area within a Wetland?**	Yes X No ____
Hydric Soil Present?	Yes X No ____	If yes, optional Wetland Site ID:	W3
Wetland Hydrology Present?	Yes X No ____		

Remarks: (Explain alternative procedures here or in a separate report.)

- W3-1 → W3-63 (OPEN)
- SOYBEAN FIELD

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ___ Surface Water (A1)
- ___ High Water Table (A2)
- ___ Saturation (A3)
- ___ Water Marks (B1)
- ___ Sediment Deposits (B2)
- ___ Drift Deposits (B3)
- ___ Algal Mat or Crust (B4)
- ___ Iron Deposits (B5)
- ___ Inundation Visible on Aerial Imagery (B7)
- ___ Sparsely Vegetated Concave Surface (B8)
- X Water-Stained Leaves (B9)
- ___ Aquatic Fauna (B13)
- ___ Marl Deposits (B15)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres on Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ___ Surface Soil Cracks (B6)
- ___ Drainage Patterns (B10)
- ___ Moss Trim Lines (B16)
- ___ Dry-Season W ater Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Stunted or Stressed Plants (D1)
- ___ Geomorphic Position (D2)
- ___ Shallow Aquitard (D3)
- ___ Microtopographic Relief (D4)
- ___ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present? Yes ____ No X Depth (inches): N/A

Water Table Present? Yes ____ No X Depth (inches): N/A

Saturation Present? (includes capillary fringe) Yes ____ No X Depth (inches): N/A

Wetland Hydrology Present? Yes X No ____

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

Project Code: W23E07a

VEGETATION : Use scientific names of plants. Sampling Point: D26

Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status
1. NA			
2.			
3.			
4.			
5.			
6.			
7.			
	0 = Total Cover		

Sapling/Shrub Stratum (Plot size: 15')			
1. NA			
2.			
3.			
4.			
5.			
6.			
7.			
	0 = Total Cover		

Herb Stratum (Plot size: 5')			
1. GLYCINE MAX	10	Y	NI
2. Eleocharis rostellata	10	Y	OBL
3. JUNCUS effusus	15	Y	
4. TYPHA latifolia	5	N	
5. PHALARIS ARUNDINACEA	5	N	FACW
6. JUNCUS buffonius	5	N	OBL
7.			
8.			
9.			
10.			
11.			
12.			
	= Total Cover		

Woody Vine Stratum (Plot size: 30')			
1. NA			
2.			
3.			
4.			
	0 = Total Cover		

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 2 (A)

Total Number of Dominant Species Across All Strata: 3 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 67 (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	35	x 1 =	35
FACW species	5	x 2 =	10
FAC species	0	x 3 =	0
FACU species	0	x 4 =	0
UPL species	0	x 5 =	0
Column Totals:	40 (A)		45 (B)

Prevalence Index = B/A = 1.125

Hydrophytic Vegetation Indicators:

- ✓ 1 - Rapid Test for Hydrophytic Vegetation
- ✓ 2 - Dominance Test is >50%
- ✓ 3 - Prevalence Index is < 3.0[1]
- __ 4 - Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)
- __ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Definitions of Vegetation Strata:

Tree - Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft (1 m) tall.

Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vines - All woody vines greater than 3.28 ft in height.

Community Type: (W3) EXTENSION PEM FARMED WETLAND

Hydrophytic Vegetation Present? Yes X No __

Remarks: (Include photo numbers here or on a separate sheet.)

Photo # 31 Direction of Photo EAST

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

Project Code: W23E07a

SOIL Sampling Point: D26

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-6	10YR3/1	97	10YR5/8	3	C	M	Sicl-	
6-20	10YR6/1	93	10YR5/8	7	C	M	Sicl-	

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Dark Surface (S7) **(LRR R, MLRA 149B)**
- ___ Polyvalue Below Surface (S8) **(LRR R, MLRA 149B)**
- ___ Thin Dark Surface (S9) **(LRR R, MLRA 149B)**
- ___ Loamy Mucky Mineral (F1) **(LRR K, L)**
- ___ Loamy Gleyed Matrix (F2)
- X Depleted Matrix (F3)
- X Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ___ 2 cm Muck (A10) **(LRR K, L, MLRA 149B)**
- ___ Coast Prairie Redox (A16) **(LRR K, L, R)**
- ___ 5 cm Mucky Peat or Peat (S3) **(LRR K, L, R)**
- ___ Dark Surface (S7) **(LRR K, L, M)**
- ___ Polyvalue Below Surface (S8) **(LRR K, L)**
- ___ Thin Dark Surface (S9) **(LRR K, L)**
- ___ Iron-Manganese Masses (F12) **(LRR K, L, R)**
- ___ Piedmont Floodplain Soils (F19) **(MLRA 149B)**
- ___ Mesic Spodic (TA6) **(MLRA 144A, 145, 149B)**
- ___ Red Parent Material (TF2)
- ___ Very Shallow Dark Surface (TF12)
- ___ Other (Explain in Remarks)

[3] Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: NONE

Depth (inches): N/A

Hydric Soil Present? Yes X No ___

Remarks:

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

Project Code: W23E07a

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: SBLC – 999 Campbell Blvd & 1860 & 1920 N. French Road Town/County: Amherst/Erie County Sampling Date: July 29, 2024

Applicant/Owner: Cimato Enterprises State: New York Sampling Point: D27

Investigator(s): Scott Livingstone & Jody Celeste Section, Township, Range: 27.00-2-29; 27.04-1-20 & 27.04-1-16.1

Landform (hillslope, terrace, etc.): Lake Pla. Local relief (concave, convex, none): CONVEX Slope (%): 2

Subregion (LRR or MLRA) LRRL Lat: 43.04046 Long: -78.75457 Datum: NAD83

Soil Map Unit Name: Swormville Clay Loam NWI classification: N/A

Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No ____ (If no, explain in Remarks.)

Are Vegetation X, Soil ____, or Hydrology ____ significantly disturbed? Are "Normal Circumstances" present? Yes X No ____

Are Vegetation ____, Soil ____, or Hydrology ____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS : Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes ____	No X	**Is the Sampled Area within a Wetland?** Yes ____ No X
Hydric Soil Present?	Yes ____	No X	
Wetland Hydrology Present?	Yes ____	No X	If yes, optional Wetland Site ID: N/A

Remarks: (Explain alternative procedures here or in a separate report.)

UPLAND SOY BEAN FIELD

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ___ Surface Water (A1)
- ___ High Water Table (A2)
- ___ Saturation (A3)
- ___ Water Marks (B1)
- ___ Sediment Deposits (B2)
- ___ Drift Deposits (B3)
- ___ Algal Mat or Crust (B4)
- ___ Iron Deposits (B5)
- ___ Inundation Visible on Aerial Imagery (B7)
- ___ Sparsely Vegetated Concave Surface (B8)
- ___ Water-Stained Leaves (B9)
- ___ Aquatic Fauna (B13)
- ___ Marl Deposits (B15)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres on Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ___ Surface Soil Cracks (B6)
- ___ Drainage Patterns (B10)
- ___ Moss Trim Lines (B16)
- ___ Dry-Season W ater Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Stunted or Stressed Plants (D1)
- ___ Geomorphic Position (D2)
- ___ Shallow Aquitard (D3)
- ___ Microtopographic Relief (D4)
- ___ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present?	Yes ____	No X	Depth (inches): N/A
Water Table Present?	Yes ____	No X	Depth (inches): N/A
Saturation Present? (includes capillary fringe)	Yes ____	No X	Depth (inches): N/A

Wetland Hydrology Present? Yes ____ No X

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

Project Code: W23E07a

VEGETATION : Use scientific names of plants.

Sampling Point: D27

Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status
1. NA			
2.			
3.			
4.			
5.			
6.			
7.			
	0 = Total Cover		

Sapling/Shrub Stratum (Plot size: 15')			
1. NA			
2.			
3.			
4.			
5.			
6.			
7.			
	0 = Total Cover		

Herb Stratum (Plot size: 5')			
1. Glycine max	30	Y	NI
2. Plantago major	10	Y	FAW
3. Echinochloa crus-galli	10	Y	FAC
4. Phytolacca americana	5	N	FACU
5. Oxalis corniculata	5	N	↓
6.			
7.			
8.			
9.			
10.			
11.			
12.			
	50 = Total Cover		

Woody Vine Stratum (Plot size: 30')			
1. NA			
2.			
3.			
4.			
	0 = Total Cover		

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 1 (A)

Total Number of Dominant Species Across All Strata: 3 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 33 (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1 =	0
FACW species	0	x 2 =	0
FAC species	10	x 3 =	30
FACU species	20	x 4 =	80
UPL species	0	x 5 =	0
Column Totals:	30 (A)		110 (B)

Prevalence Index = B/A = 3.67

Hydrophytic Vegetation Indicators:

- 1 - Rapid Test for Hydrophytic Vegetation
- 2 - Dominance Test is >50%
- 3 - Prevalence Index is < 3.0[1]
- 4 - Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)
- Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Definitions of Vegetation Strata:

Tree - Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft (1 m) tall.

Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vines - All woody vines greater than 3.28 ft in height.

Community Type: FARM FIELD (SOYBEANS)

Hydrophytic Vegetation Present? Yes ____ No X

Remarks: (Include photo numbers here or on a separate sheet.)

Photo # 32 Direction of Photo NORTH

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

Project Code: W23E07a

SOIL

Sampling Point: D27

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-11	10YR3/1	100						
11-20	10YR5/4	70	10YR5/6	15	C	M	sicl	
			10YR6/1	15	D	M		

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Dark Surface (S7) **(LRR R, MLRA 149B)**
- ___ Polyvalue Below Surface (S8) **(LRR R, MLRA 149B)**
- ___ Thin Dark Surface (S9) **(LRR R, MLRA 149B)**
- ___ Loamy Mucky Mineral (F1) **(LRR K, L)**
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ___ 2 cm Muck (A10) **(LRR K, L, MLRA 149B)**
- ___ Coast Prairie Redox (A16) **(LRR K, L, R)**
- ___ 5 cm Mucky Peat or Peat (S3) **(LRR K, L, R)**
- ___ Dark Surface (S7) **(LRR K, L, M)**
- ___ Polyvalue Below Surface (S8) **(LRR K, L)**
- ___ Thin Dark Surface (S9) **(LRR K, L)**
- ___ Iron-Manganese Masses (F12) **(LRR K, L, R)**
- ___ Piedmont Floodplain Soils (F19) **(MLRA 149B)**
- ___ Mesic Spodic (TA6) **(MLRA 144A, 145, 149B)**
- ___ Red Parent Material (TF2)
- ___ Very Shallow Dark Surface (TF12)
- ___ Other (Explain in Remarks)

[3] Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: NONE

Depth (inches): N/A

Hydric Soil Present? Yes _____ No X

Remarks:

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

Project Code: W23E07a

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: SBLC – 999 Campbell Blvd & 1860 & 1920 N. French Road Town/County: Amherst/Erie County Sampling Date: July 29, 2024

Applicant/Owner: Cimato Enterprises State: New York Sampling Point: D28

Investigator(s): Scott Livingstone & Jody Celeste Section, Township, Range: 27.00-2-29; 27.04-1-20 & 27.04-1-16.1

Landform (hillslope, terrace, etc.): Lake Plain Local relief (concave, convex, none): CONVEX Slope (%): 1-2

Subregion (LRR or MLRA) LRRL Lat: 43.09028 Long: -78.75457 Datum: NAD83

Soil Map Unit Name: Swormville Clay Loam NW I classification: N/A

Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No ____ (If no, explain in Remarks.)

Are Vegetation X, Soil ____, or Hydrology ____ significantly disturbed? Are "Normal Circumstances" present? Yes X No ____

Are Vegetation ____, Soil ____, or Hydrology ____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS : Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes ____	No X	**Is the Sampled Area within a Wetland?** Yes ____ No X
Hydric Soil Present?	Yes ____	No X	
Wetland Hydrology Present?	Yes ____	No X	If yes, optional Wetland Site ID: N/A

Remarks: (Explain alternative procedures here or in a separate report.)

UPLAND SOYBEAN FIELD

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ___ Surface Water (A1)
- ___ High Water Table (A2)
- ___ Saturation (A3)
- ___ Water Marks (B1)
- ___ Sediment Deposits (B2)
- ___ Drift Deposits (B3)
- ___ Algal Mat or Crust (B4)
- ___ Iron Deposits (B5)
- ___ Inundation Visible on Aerial Imagery (B7)
- ___ Sparsely Vegetated Concave Surface (B8)
- ___ Water-Stained Leaves (B9)
- ___ Aquatic Fauna (B13)
- ___ Marl Deposits (B15)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres on Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ___ Surface Soil Cracks (B6)
- ___ Drainage Patterns (B10)
- ___ Moss Trim Lines (B16)
- ___ Dry-Season W ater Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Stunted or Stressed Plants (D1)
- ___ Geomorphic Position (D2)
- ___ Shallow Aquitard (D3)
- ___ Microtopographic Relief (D4)
- ___ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present?	Yes ____	No X	Depth (inches): N/A
Water Table Present?	Yes ____	No X	Depth (inches): N/A
Saturation Present? (includes capillary fringe)	Yes ____	No X	Depth (inches): N/A

Wetland Hydrology Present? Yes ____ No X

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

Project Code: W23E07a

VEGETATION : Use scientific names of plants. Sampling Point: D28

Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status
1. NA			
2.			
3.			
4.			
5.			
6.			
7.			
	0 = Total Cover		

Sapling/Shrub Stratum (Plot size: 15')			
1. NA			
2.			
3.			
4.			
5.			
6.			
7.			
	0 = Total Cover		

Herb Stratum (Plot size: 5')			
1. Glycine max	30	Y	NI
2. Oxalis corniculata	5	N	FACU
3. Echinochloa crus-galli	5	N	FAC
4. Glyceria striata	2	N	OBL
5. Ambrosia artemisiifolia	5	N	FACU
6. Solanum nigrum	5	N	FAC
7.			
8.			
9.			
10.			
11.			
12.			
	52 = Total Cover		

Woody Vine Stratum (Plot size: 30')			
1. NA			
2.			
3.			
4.			
	0 = Total Cover		

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 0 (A)

Total Number of Dominant Species Across All Strata: 1 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 0 (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	2	x 1 =	2
FACW species	0	x 2 =	0
FAC species	5	x 3 =	15
FACU species	15	x 4 =	60
UPL species	0	x 5 =	0
Column Totals:	22 (A)		77 (B)

Prevalence Index = B/A = 3.5

Hydrophytic Vegetation Indicators:

- 1 - Rapid Test for Hydrophytic Vegetation
- 2 - Dominance Test is >50%
- 3 - Prevalence Index is < 3.0[1]
- 4 - Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)
- Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Definitions of Vegetation Strata:

Tree - Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft (1 m) tall.

Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vines - All woody vines greater than 3.28 ft in height.

Community Type: Agricultural Field (Soybeans)

Hydrophytic Vegetation Present? Yes ____ No X

Remarks: (Include photo numbers here or on a separate sheet.)

Photo # 33 Direction of Photo NORTH

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

Project Code: W23E07a

SOIL Sampling Point: D28

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-7	10YR4/1	100					Sicl-	
7-20	10YR5/4	85	10YR5/6	15	C	M	Sicl	

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Dark Surface (S7) **(LRR R, MLRA 149B)**
- ___ Polyvalue Below Surface (S8) **(LRR R, MLRA 149B)**
- ___ Thin Dark Surface (S9) **(LRR R, MLRA 149B)**
- ___ Loamy Mucky Mineral (F1) **(LRR K, L)**
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ___ 2 cm Muck (A10) **(LRR K, L, MLRA 149B)**
- ___ Coast Prairie Redox (A16) **(LRR K, L, R)**
- ___ 5 cm Mucky Peat or Peat (S3) **(LRR K, L, R)**
- ___ Dark Surface (S7) **(LRR K, L, M)**
- ___ Polyvalue Below Surface (S8) **(LRR K, L)**
- ___ Thin Dark Surface (S9) **(LRR K, L)**
- ___ Iron-Manganese Masses (F12) **(LRR K, L, R)**
- ___ Piedmont Floodplain Soils (F19) **(MLRA 149B)**
- ___ Mesic Spodic (TA6) **(MLRA 144A, 145, 149B)**
- ___ Red Parent Material (TF2)
- ___ Very Shallow Dark Surface (TF12)
- ___ Other (Explain in Remarks)

[3] Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: NONE

Depth (inches): N/A

Hydric Soil Present? Yes ____ No X

Remarks:

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

Project Code: W23E07a

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: SBLC – 999 Campbell Blvd & 1860 & 1920 N. French Road Town/County: Amherst/Erie County Sampling Date: July 29, 2024

Applicant/Owner: Cimato Enterprises State: New York Sampling Point: DP29

Investigator(s): Scott Livingstone & Jody Celeste Section, Township, Range: 27.00-2-29; 27.04-1-20 & 27.04-1-16.1

Landform (hillslope, terrace, etc.): Depression Local relief (concave, convex, none): CONCAVE Slope (%): 0

Subregion (LRR or MLRA) LRRL Lat: 43.03964 Long: -78.75508 Datum: NAD83

Soil Map Unit Name: Swormville clay loam NW I classification: PEM

Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No _____ (If no, explain in Remarks.)

Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes X No _____

Are Vegetation _____, Soil _____, or Hydrology _____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS : Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes X	No _____	**Is the Sampled Area within a Wetland?** Yes X No _____
Hydric Soil Present?	Yes X	No _____	
Wetland Hydrology Present?	Yes X	No _____	If yes, optional Wetland Site ID: W7

Remarks: (Explain alternative procedures here or in a separate report.)

- W7-1 → W7-3 (CLOSED/ISOLATED)
- SOYBEAN FIELD

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- __ Surface Water (A1)
- __ High Water Table (A2)
- __ Saturation (A3)
- __ Water Marks (B1)
- __ Sediment Deposits (B2)
- __ Drift Deposits (B3)
- __ Algal Mat or Crust (B4)
- __ Iron Deposits (B5)
- __ Inundation Visible on Aerial Imagery (B7)
- __ Sparsely Vegetated Concave Surface (B8)
- X Water-Stained Leaves (B9)
- __ Aquatic Fauna (B13)
- __ Marl Deposits (B15)
- __ Hydrogen Sulfide Odor (C1)
- __ Oxidized Rhizospheres on Living Roots (C3)
- __ Presence of Reduced Iron (C4)
- __ Recent Iron Reduction in Tilled Soils (C6)
- __ Thin Muck Surface (C7)
- __ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- __ Surface Soil Cracks (B6)
- __ Drainage Patterns (B10)
- __ Moss Trim Lines (B16)
- __ Dry-Season Water Table (C2)
- __ Crayfish Burrows (C8)
- __ Saturation Visible on Aerial Imagery (C9)
- __ Stunted or Stressed Plants (D1)
- __ Geomorphic Position (D2)
- __ Shallow Aquitard (D3)
- __ Microtopographic Relief (D4)
- __ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present?	Yes _____	No X	Depth (inches): N/A
Water Table Present?	Yes _____	No X	Depth (inches): N/A
Saturation Present? (includes capillary fringe)	Yes _____	No X	Depth (inches): N/A

Wetland Hydrology Present? Yes X No _____

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

Project Code: W23E07a

VEGETATION : Use scientific names of plants. Sampling Point: D29

Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status
1. NA			
2.			
3.			
4.			
5.			
6.			
7.			
	0 = Total Cover		

Sapling/Shrub Stratum (Plot size: 15')			
1. NA			
2.			
3.			
4.			
5.			
6.			
7.			
	0 = Total Cover		

Herb Stratum (Plot size: 5')			
1. GLYCINE MAX	15	Y	NI
2. GLYCERIA STRIATA	5	Y	OBL
3. ERECHTITES HIERACIFOLIA	5	Y	NI
4. PHALARIS ARUNDINACEA	5	Y	FACW
5. JUNCUS EFFUSUS	10	Y	OBL
6. LUDWIGIA PALUSTRIS	5	Y	↓
7. CAREX SCOPARIA	5	Y	FACW
8. BIDENS FRONDOSA	5	Y	↓
9.			
10.			
11.			
12.			
	55 = Total Cover		

Woody Vine Stratum (Plot size: 30')			
1. NA			
2.			
3.			
4.			
	0 = Total Cover		

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 6 (A)

Total Number of Dominant Species Across All Strata: 8 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 75 (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	20	x 1 =	20
FACW species	15	x 2 =	30
FAC species	0	x 3 =	0
FACU species	0	x 4 =	0
UPL species	0	x 5 =	0
Column Totals:	35 (A)		50 (B)

Prevalence Index = B/A = 1.428

Hydrophytic Vegetation Indicators:

- ✓ 1 - Rapid Test for Hydrophytic Vegetation
- ✓ 2 - Dominance Test is >50%
- ✓ 3 - Prevalence Index is < 3.0[1]
- ___ 4 - Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)
- ___ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Definitions of Vegetation Strata:

Tree - Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft (1 m) tall.

Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vines - All woody vines greater than 3.28 ft in height.

W7 FARMED WETLAND

Community Type: ___

Hydrophytic Vegetation Present? Yes X No ___

Remarks: (Include photo numbers here or on a separate sheet.)

Photo # 34 **Direction of Photo** NORTH

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

SOIL

Sampling Point: DZ9

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-6	10YR4/1	97	10YR5/8	3	C	M	SiL	
6-20	10YR6/1	90	10YR5/6	10	C	M	L+	

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Dark Surface (S7) **(LRR R, MLRA 149B)**
- ___ Polyvalue Below Surface (S8) **(LRR R, MLRA 149B)**
- ___ Thin Dark Surface (S9) **(LRR R, MLRA 149B)**
- ___ Loamy Mucky Mineral (F1) **(LRR K, L)**
- ___ Loamy Gleyed Matrix (F2)
- X Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ___ 2 cm Muck (A10) **(LRR K, L, MLRA 149B)**
- ___ Coast Prairie Redox (A16) **(LRR K, L, R)**
- ___ 5 cm Mucky Peat or Peat (S3) **(LRR K, L, R)**
- ___ Dark Surface (S7) **(LRR K, L, M)**
- ___ Polyvalue Below Surface (S8) **(LRR K, L)**
- ___ Thin Dark Surface (S9) **(LRR K, L)**
- ___ Iron-Manganese Masses (F12) **(LRR K, L, R)**
- ___ Piedmont Floodplain Soils (F19) **(MLRA 149B)**
- ___ Mesic Spodic (TA6) **(MLRA 144A, 145, 149B)**
- ___ Red Parent Material (TF2)
- ___ Very Shallow Dark Surface (TF12)
- ___ Other (Explain in Remarks)

[3] Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: NONE

Depth (inches): N/A

Hydric Soil Present? Yes X No ___

Remarks:

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

Project Code: W23E07a

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: SBLC – 999 Campbell Blvd & 1860 & 1920 N. French Road Town/County: Amherst/Erie County Sampling Date: July 29, 2024

Applicant/Owner: Cimato Enterprises State: New York Sampling Point: D30

Investigator(s): Scott Livingstone & Jody Celeste Section, Township, Range: 27.00-2-29; 27.04-1-20 & 27.04-1-16.1

Landform (hillslope, terrace, etc.): LAKE Plain Local relief (concave, convex, none): CONVEX Slope (%): 3

Subregion (LRR or MLRA) LRRL Lat: 43.03972 Long: -78.75503 Datum: NAD83

Soil Map Unit Name: Swormville Clay loam NWI classification: N/A

Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No ____ (If no, explain in Remarks.)

Are Vegetation X, Soil ____, or Hydrology ____ significantly disturbed? Are "Normal Circumstances" present? Yes X No ____

Are Vegetation ____, Soil ____, or Hydrology ____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS : Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes ____	No X	**Is the Sampled Area within a Wetland?** Yes ____ No X
Hydric Soil Present?	Yes ____	No X	
Wetland Hydrology Present?	Yes ____	No X	If yes, optional Wetland Site ID: N/A

Remarks: (Explain alternative procedures here or in a separate report.)

UPLAND SOYBEAN FIELD

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ___ Surface Water (A1)
- ___ High Water Table (A2)
- ___ Saturation (A3)
- ___ Water Marks (B1)
- ___ Sediment Deposits (B2)
- ___ Drift Deposits (B3)
- ___ Algal Mat or Crust (B4)
- ___ Iron Deposits (B5)
- ___ Inundation Visible on Aerial Imagery (B7)
- ___ Sparsely Vegetated Concave Surface (B8)
- ___ Water-Stained Leaves (B9)
- ___ Aquatic Fauna (B13)
- ___ Marl Deposits (B15)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres on Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ___ Surface Soil Cracks (B6)
- ___ Drainage Patterns (B10)
- ___ Moss Trim Lines (B16)
- ___ Dry-Season W ater Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Stunted or Stressed Plants (D1)
- ___ Geomorphic Position (D2)
- ___ Shallow Aquitard (D3)
- ___ Microtopographic Relief (D4)
- ___ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present?	Yes ____	No X	Depth (inches): N/A
Water Table Present?	Yes ____	No X	Depth (inches): N/A
Saturation Present? (includes capillary fringe)	Yes ____	No X	Depth (inches): N/A

Wetland Hydrology Present? Yes ____ No X

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

Project Code: W23E07a

VEGETATION : Use scientific names of plants. Sampling Point: D30

Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status
1. NA			
2.			
3.			
4.			
5.			
6.			
7.			
	0 = Total Cover		

Sapling/Shrub Stratum (Plot size: 15')			
1. NA			
2.			
3.			
4.			
5.			
6.			
7.			
	0 = Total Cover		

Herb Stratum (Plot size: 5')			
1. Ambrosia artemisiifolia	10	Y	FACU
2. Glycine max	25	Y	NI
3. Galinsoga quadriradiata	5	N	FACU
4. Echinochloa crus-galli	10	Y	FAC
5. Oxalis corniculata	10	Y	FACU
6. Erechtites hieracifolia	10	Y	NI
7. Juncus effusus	2	N	OBL
8. Plantago major	2	N	FACU
9. Phytolacca americana	2	N	FACU
10. Bidens frondosa	2	N	FACW
11.			
12.			
	78 = Total Cover		

Woody Vine Stratum (Plot size: 30')			
1. NA			
2.			
3.			
4.			
	0 = Total Cover		

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 1 (A)

Total Number of Dominant Species Across All Strata: 5 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 20 (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	2	x 1 =	2
FACW species	2	x 2 =	4
FAC species	15	x 3 =	30
FACU species	29	x 4 =	116
UPL species	0	x 5 =	0
Column Totals:	43 (A)		152 (B)

Prevalence Index = B/A = 3.53

Hydrophytic Vegetation Indicators:

__ 1 - Rapid Test for Hydrophytic Vegetation

__ 2 - Dominance Test is >50%

__ 3 - Prevalence Index is < 3.0[1]

__ 4 - Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)

__ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Definitions of Vegetation Strata:

Tree - Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft (1 m) tall.

Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vines - All woody vines greater than 3.28 ft in height.

Community Type: AGRICULTURAL FIELD (SOYBEANS)

Hydrophytic Vegetation Present? Yes ____ No X

Remarks: (Include photo numbers here or on a separate sheet.)

Photo # 35 Direction of Photo NORTH

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

Project Code: W23E07a

SOIL Sampling Point: D30

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-7	10YR3/1	100					Sicl	
7-20	10YR5/4	80	10YR5/6	20	C	M	Sic	

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Dark Surface (S7) **(LRR R, MLRA 149B)**
- ___ Polyvalue Below Surface (S8) **(LRR R, MLRA 149B)**
- ___ Thin Dark Surface (S9) **(LRR R, MLRA 149B)**
- ___ Loamy Mucky Mineral (F1) **(LRR K, L)**
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ___ 2 cm Muck (A10) **(LRR K, L, MLRA 149B)**
- ___ Coast Prairie Redox (A16) **(LRR K, L, R)**
- ___ 5 cm Mucky Peat or Peat (S3) **(LRR K, L, R)**
- ___ Dark Surface (S7) **(LRR K, L, M)**
- ___ Polyvalue Below Surface (S8) **(LRR K, L)**
- ___ Thin Dark Surface (S9) **(LRR K, L)**
- ___ Iron-Manganese Masses (F12) **(LRR K, L, R)**
- ___ Piedmont Floodplain Soils (F19) **(MLRA 149B)**
- ___ Mesic Spodic (TA6) **(MLRA 144A, 145, 149B)**
- ___ Red Parent Material (TF2)
- ___ Very Shallow Dark Surface (TF12)
- ___ Other (Explain in Remarks)

[3] Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: NONE

Depth (inches): N/A

Hydric Soil Present? Yes ____ No X

Remarks:

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

Project Code: W23E07a

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: SBLC – 999 Campbell Blvd & 1860 & 1920 N. French Road Town/County: Amherst/Erie County Sampling Date: July 29, 2024

Applicant/Owner: Cimato Enterprises State: New York Sampling Point: D31

Investigator(s): Scott Livingstone & Jody Celeste Section, Township, Range: 27.00-2-29; 27.04-1-20 & 27.04-1-16.1

Landform (hillslope, terrace, etc.): LAKE Plain Local relief (concave, convex, none): NONE Slope (%): 1

Subregion (LRR or MLRA) LRRL Lat: 43.03859 Long: -78.75486 Datum: NAD83

Soil Map Unit Name: Getzville Silt loam NWI classification: N/A

Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No _____ (If no, explain in Remarks.)

Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes X No _____

Are Vegetation _____, Soil _____, or Hydrology _____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS : Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes _____	No X	**Is the Sampled Area within a Wetland?** Yes _____ No X
Hydric Soil Present?	Yes _____	No X	
Wetland Hydrology Present?	Yes _____	No X	If yes, optional Wetland Site ID: N/A

Remarks: (Explain alternative procedures here or in a separate report.)

UPLAND SOYBEAN Field

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- __ Surface Water (A1)
- __ High Water Table (A2)
- __ Saturation (A3)
- __ Water Marks (B1)
- __ Sediment Deposits (B2)
- __ Drift Deposits (B3)
- __ Algal Mat or Crust (B4)
- __ Iron Deposits (B5)
- __ Inundation Visible on Aerial Imagery (B7)
- __ Sparsely Vegetated Concave Surface (B8)
- __ Water-Stained Leaves (B9)
- __ Aquatic Fauna (B13)
- __ Marl Deposits (B15)
- __ Hydrogen Sulfide Odor (C1)
- __ Oxidized Rhizospheres on Living Roots (C3)
- __ Presence of Reduced Iron (C4)
- __ Recent Iron Reduction in Tilled Soils (C6)
- __ Thin Muck Surface (C7)
- __ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- __ Surface Soil Cracks (B6)
- __ Drainage Patterns (B10)
- __ Moss Trim Lines (B16)
- __ Dry-Season W ater Table (C2)
- __ Crayfish Burrows (C8)
- __ Saturation Visible on Aerial Imagery (C9)
- __ Stunted or Stressed Plants (D1)
- __ Geomorphic Position (D2)
- __ Shallow Aquitard (D3)
- __ Microtopographic Relief (D4)
- __ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present?	Yes _____	No X	Depth (inches): N/A
Water Table Present?	Yes _____	No X	Depth (inches): N/A
Saturation Present? (includes capillary fringe)	Yes _____	No X	Depth (inches): N/A

Wetland Hydrology Present? Yes _____ No X

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

Project Code: W23E07a

VEGETATION : Use scientific names of plants. Sampling Point: D31

Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status
1. ACER SACCHARINUM	10	Y	FACW
2.			
3.			
4.			
5.			
6.			
7.			
	10 = Total Cover		

Sapling/Shrub Stratum (Plot size: 15')			
1. NA			
2.			
3.			
4.			
5.			
6.			
7.			
	0 = Total Cover		

Herb Stratum (Plot size: 5')			
1. GLYCINE MAX	25	Y	NI
2. AMBROSIA ARTEMISIIFOLIA	10	Y	FACW
3. BIDENS FRONDOSA	5	N	FACW
4. ECHINOCHLOA CRUS-GALLI	10	Y	FAC
5. CAREX SUBULATA	2	N	FACW
6.			
7.			
8.			
9.			
10.			
11.			
12.			
	52 = Total Cover		

Woody Vine Stratum (Plot size: 30')			
1. NA			
2.			
3.			
4.			
	0 = Total Cover		

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 1 (A)

Total Number of Dominant Species Across All Strata: 3 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 33 (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1 =	0
FACW species	7	x 2 =	14
FAC species	10	x 3 =	30
FACU species	10	x 4 =	40
UPL species	0	x 5 =	0
Column Totals:	27 (A)		84 (B)

Prevalence Index = B/A = 3.111

Hydrophytic Vegetation Indicators:

- 1 - Rapid Test for Hydrophytic Vegetation
- 2 - Dominance Test is >50%
- 3 - Prevalence Index is < 3.0[1]
- 4 - Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)
- Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Definitions of Vegetation Strata:

Tree - Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft (1 m) tall.

Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vines - All woody vines greater than 3.28 ft in height.

Community Type: AGRICULTURAL FIELD (SOYBEANS)

Hydrophytic Vegetation Present? Yes ____ No X

Remarks: (Include photo numbers here or on a separate sheet.)

Photo # 36 Direction of Photo SOUTH

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

Project Code: W23E07a

SOIL

Sampling Point: D31

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-5	10YR3/1	100					Sicl	
5-20	10YR5/4	75	10YR5/1	15	D	M	Sic	
			10YR5/6	10	C	M		

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Dark Surface (S7) **(LRR R, MLRA 149B)**
- ___ Polyvalue Below Surface (S8) **(LRR R, MLRA 149B)**
- ___ Thin Dark Surface (S9) **(LRR R, MLRA 149B)**
- ___ Loamy Mucky Mineral (F1) **(LRR K, L)**
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ___ 2 cm Muck (A10) **(LRR K, L, MLRA 149B)**
- ___ Coast Prairie Redox (A16) **(LRR K, L, R)**
- ___ 5 cm Mucky Peat or Peat (S3) **(LRR K, L, R)**
- ___ Dark Surface (S7) **(LRR K, L, M)**
- ___ Polyvalue Below Surface (S8) **(LRR K, L)**
- ___ Thin Dark Surface (S9) **(LRR K, L)**
- ___ Iron-Manganese Masses (F12) **(LRR K, L, R)**
- ___ Piedmont Floodplain Soils (F19) **(MLRA 149B)**
- ___ Mesic Spodic (TA6) **(MLRA 144A, 145, 149B)**
- ___ Red Parent Material (TF2)
- ___ Very Shallow Dark Surface (TF12)
- ___ Other (Explain in Remarks)

[3] Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: NONE

Depth (inches): N/A

Hydric Soil Present? Yes _____ No X

Remarks:

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

Project Code: W23E07a

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: SBLC – 999 Campbell Blvd & 1860 & 1920 N. French Road Town/County: Amherst/Erie County Sampling Date: July 29, 2024

Applicant/Owner: Cimato Enterprises State: New York Sampling Point: D32

Investigator(s): Scott Livingstone & Jody Celeste Section, Township, Range: 27.00-2-29; 27.04-1-20 & 27.04-1-16.1

Landform (hillslope, terrace, etc.): Lake Plain Local relief (concave, convex, none): CONVEX Slope (%): 3

Subregion (LRR or MLRA) LRRL Lat: 43.03656 Long: -78.75559 Datum: NAD83

Soil Map Unit Name: Wormsville Clay loam NWI classification: N/A

Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No ____ (If no, explain in Remarks.)

Are Vegetation X, Soil ____, or Hydrology ____ significantly disturbed? Are "Normal Circumstances" present? Yes X No ____

Are Vegetation ____, Soil ____, or Hydrology ____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS : Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes X	No ____	**Is the Sampled Area within a Wetland?** Yes ____ No X
Hydric Soil Present?	Yes ____	No X	
Wetland Hydrology Present?	Yes ____	No X	If yes, optional Wetland Site ID: N/A

Remarks: (Explain alternative procedures here or in a separate report.)

UPLAND SOYBEAN FIELD

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ___ Surface Water (A1)
- ___ High Water Table (A2)
- ___ Saturation (A3)
- ___ Water Marks (B1)
- ___ Sediment Deposits (B2)
- ___ Drift Deposits (B3)
- ___ Algal Mat or Crust (B4)
- ___ Iron Deposits (B5)
- ___ Inundation Visible on Aerial Imagery (B7)
- ___ Sparsely Vegetated Concave Surface (B8)
- ___ Water-Stained Leaves (B9)
- ___ Aquatic Fauna (B13)
- ___ Marl Deposits (B15)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres on Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ___ Surface Soil Cracks (B6)
- ___ Drainage Patterns (B10)
- ___ Moss Trim Lines (B16)
- ___ Dry-Season W ater Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Stunted or Stressed Plants (D1)
- ___ Geomorphic Position (D2)
- ___ Shallow Aquitard (D3)
- ___ Microtopographic Relief (D4)
- ___ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present?	Yes ____	No X	Depth (inches): N/A
Water Table Present?	Yes ____	No X	Depth (inches): N/A
Saturation Present? (includes capillary fringe)	Yes ____	No X	Depth (inches): N/A

Wetland Hydrology Present? Yes ____ No X

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

Project Code: W23E07a

VEGETATION : Use scientific names of plants. Sampling Point: D32

Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status
1. NA			
2.			
3.			
4.			
5.			
6.			
7.			
= Total Cover			

Sapling/Shrub Stratum (Plot size: 15')			
1. NA			
2.			
3.			
4.			
5.			
6.			
7.			
= Total Cover			

Herb Stratum (Plot size: 5')			
1. Glycine max	25	Y	NI
2. Echinochloa crus-galli	10	Y	FAC
3. Euthamia graminifolia	5	N	FAC
4. Oxalis corniculata	5	N	FACU
5.			
6.			
7.			
8.			
9.			
10.			
11.			
12.			
45 = Total Cover			

Woody Vine Stratum (Plot size: 30')			
1. NA			
2.			
3.			
4.			
0 = Total Cover			

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 1 (A)

Total Number of Dominant Species Across All Strata: 2 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 50 (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1 =	0
FACW species	0	x 2 =	0
FAC species	15	x 3 =	45
FACU species	5	x 4 =	20
UPL species	0	x 5 =	0
Column Totals:	20 (A)		65 (B)

Prevalence Index = B/A = 3.25

Hydrophytic Vegetation Indicators:

- 1 - Rapid Test for Hydrophytic Vegetation
- ✓ 2 - Dominance Test is >50%
- 3 - Prevalence Index is < 3.0[1]
- 4 - Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)
- Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Definitions of Vegetation Strata:

Tree - Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft (1 m) tall.

Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vines - All woody vines greater than 3.28 ft in height.

Community Type: AGRICULTURE FIELD (SOYBEAN)

Hydrophytic Vegetation Present? Yes X No

Remarks: (Include photo numbers here or on a separate sheet.)

Photo # 37 Direction of Photo SOUTH

NOT WET

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

Project Code: W23E07a

SOIL

Sampling Point: D32

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-3	10YR4/2	100					Sil	
3-20	10YR6/4	88	10YR5/6	12	C	M	Sil	

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Dark Surface (S7) **(LRR R, MLRA 149B)**
- ___ Polyvalue Below Surface (S8) **(LRR R, MLRA 149B)**
- ___ Thin Dark Surface (S9) **(LRR R, MLRA 149B)**
- ___ Loamy Mucky Mineral (F1) **(LRR K, L)**
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ___ 2 cm Muck (A10) **(LRR K, L, MLRA 149B)**
- ___ Coast Prairie Redox (A16) **(LRR K, L, R)**
- ___ 5 cm Mucky Peat or Peat (S3) **(LRR K, L, R)**
- ___ Dark Surface (S7) **(LRR K, L, M)**
- ___ Polyvalue Below Surface (S8) **(LRR K, L)**
- ___ Thin Dark Surface (S9) **(LRR K, L)**
- ___ Iron-Manganese Masses (F12) **(LRR K, L, R)**
- ___ Piedmont Floodplain Soils (F19) **(MLRA 149B)**
- ___ Mesic Spodic (TA6) **(MLRA 144A, 145, 149B)**
- ___ Red Parent Material (TF2)
- ___ Very Shallow Dark Surface (TF12)
- ___ Other (Explain in Remarks)

[3] Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: NONE

Depth (inches): N/A

Hydric Soil Present? Yes _____ No X

Remarks:

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

Project Code: W23E07a

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: SBLC – 999 Campbell Blvd & 1860 & 1920 N. French Road Town/County: Amherst/Erie County Sampling Date: July 29, 2024

Applicant/Owner: Cimato Enterprises State: New York Sampling Point: D33

Investigator(s): Scott Livingstone & Jody Celeste Section, Township, Range: 27.00-2-29; 27.04-1-20 & 27.04-1-16.1

Landform (hillslope, terrace, etc.): Lake Plain Local relief (concave, convex, none): Convex Slope (%): 2

Subregion (LRR or MLRA) LRRL Lat: 43.03788 Long: -78.75559 Datum: NAD83

Soil Map Unit Name: Swormville Clay Loam NWI classification: N/A

Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No _____ (If no, explain in Remarks.)

Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes X No _____

Are Vegetation _____, Soil _____, or Hydrology _____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS : Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes _____	No X	**Is the Sampled Area within a Wetland?** Yes _____ No X
Hydric Soil Present?	Yes _____	No X	
Wetland Hydrology Present?	Yes _____	No X	If yes, optional Wetland Site ID: N/A

Remarks: (Explain alternative procedures here or in a separate report.)

UPLAND SOYBEAN Field

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ___ Surface Water (A1)
- ___ High Water Table (A2)
- ___ Saturation (A3)
- ___ Water Marks (B1)
- ___ Sediment Deposits (B2)
- ___ Drift Deposits (B3)
- ___ Algal Mat or Crust (B4)
- ___ Iron Deposits (B5)
- ___ Inundation Visible on Aerial Imagery (B7)
- ___ Sparsely Vegetated Concave Surface (B8)
- ___ Water-Stained Leaves (B9)
- ___ Aquatic Fauna (B13)
- ___ Marl Deposits (B15)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres on Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ___ Surface Soil Cracks (B6)
- ___ Drainage Patterns (B10)
- ___ Moss Trim Lines (B16)
- ___ Dry-Season W ater Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Stunted or Stressed Plants (D1)
- ___ Geomorphic Position (D2)
- ___ Shallow Aquitard (D3)
- ___ Microtopographic Relief (D4)
- ___ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present?	Yes _____	No X	Depth (inches): N/A
Water Table Present?	Yes _____	No X	Depth (inches): N/A
Saturation Present? (includes capillary fringe)	Yes _____	No X	Depth (inches): N/A

Wetland Hydrology Present? Yes _____ No X

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

Project Code: W23E07a

VEGETATION : Use scientific names of plants. Sampling Point: D33

Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status
1. NA			
2.			
3.			
4.			
5.			
6.			
7.			
	0 = Total Cover		

Sapling/Shrub Stratum (Plot size: 15')			
1. NA			
2.			
3.			
4.			
5.			
6.			
7.			
	0 = Total Cover		

Herb Stratum (Plot size: 5')			
1. Verbena Urticifolia	10	Y	FAC
2. GLYCINE MAX	10	Y	NI
3. PLANTAGO MAJOR	10	Y	FACW
4. AVENA SATIVA	10	Y	
5. Symphyotrichum pilosum	5	N	
6. Echinochloa Crus-galli	5	N	FAC
7. CIRSIUM ARVENSE	3	N	FACU
8. PHYTOLACCA AMERICANA	3	N	
9. POTENTILLA NORVEGICA	5	N	FAC
10. ROSA MULTIFLORA	3	N	FACU
11.			
12.			
	64 = Total Cover		

Woody Vine Stratum (Plot size: 30')			
1. NA			
2.			
3.			
4.			
	0 = Total Cover		

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 1 (A)

Total Number of Dominant Species Across All Strata: 4 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 25 (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1 =	0
FACW species	0	x 2 =	0
FAC species	20	x 3 =	60
FACU species	34	x 4 =	136
UPL species	0	x 5 =	0
Column Totals:	54 (A)		196 (B)

Prevalence Index = B/A = 3.62

Hydrophytic Vegetation Indicators:

__ 1 - Rapid Test for Hydrophytic Vegetation

__ 2 - Dominance Test is >50%

__ 3 - Prevalence Index is < 3.0[1]

__ 4 - Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)

__ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Definitions of Vegetation Strata:

Tree - Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft (1 m) tall.

Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vines - All woody vines greater than 3.28 ft in height.

Community Type: AGRICULTURAL FIELD (SOYBEANS)

Hydrophytic Vegetation Present? Yes ____ No X

Remarks: (Include photo numbers here or on a separate sheet.)

Photo # 38 Direction of Photo SOUTH

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

Project Code: W23E07a

SOIL Sampling Point: D33

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-3	10YR4/2	100					S:1	
3-20	10YR6/4	85	10YR5/6	15	C	M	S:1	

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Dark Surface (S7) **(LRR R, MLRA 149B)**
- ___ Polyvalue Below Surface (S8) **(LRR R, MLRA 149B)**
- ___ Thin Dark Surface (S9) **(LRR R, MLRA 149B)**
- ___ Loamy Mucky Mineral (F1) **(LRR K, L)**
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ___ 2 cm Muck (A10) **(LRR K, L, MLRA 149B)**
- ___ Coast Prairie Redox (A16) **(LRR K, L, R)**
- ___ 5 cm Mucky Peat or Peat (S3) **(LRR K, L, R)**
- ___ Dark Surface (S7) **(LRR K, L, M)**
- ___ Polyvalue Below Surface (S8) **(LRR K, L)**
- ___ Thin Dark Surface (S9) **(LRR K, L)**
- ___ Iron-Manganese Masses (F12) **(LRR K, L, R)**
- ___ Piedmont Floodplain Soils (F19) **(MLRA 149B)**
- ___ Mesic Spodic (TA6) **(MLRA 144A, 145, 149B)**
- ___ Red Parent Material (TF2)
- ___ Very Shallow Dark Surface (TF12)
- ___ Other (Explain in Remarks)

[3] Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: NONE

Depth (inches): N/A

Hydric Soil Present? Yes ____ No X

Remarks:

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

Project Code: W23E07a

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: SBLC – 999 Campbell Blvd & 1860 & 1920 N. French Road Town/County: Amherst/Erie County Sampling Date: July 29, 2024

Applicant/Owner: Cimato Enterprises State: New York Sampling Point: D34

Investigator(s): Scott Livingstone & Jody Celeste Section, Township, Range: 27.00-2-29; 27.04-1-20 & 27.04-1-16.1

Landform (hillslope, terrace, etc.): Depression Local relief (concave, convex, none): CONCAVE Slope (%): 2-1

Subregion (LRR or MLRA) LRRL Lat: 43.03738 Long: -78.75526 Datum: NAD83

Soil Map Unit Name: Swormville clay loam NWI classification: PEM

Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No ____ (If no, explain in Remarks.)

Are Vegetation ____, Soil ____, or Hydrology ____ significantly disturbed? Are "Normal Circumstances" present? Yes X No ____

Are Vegetation ____, Soil ____, or Hydrology ____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS : Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes X	No ____	**Is the Sampled Area within a Wetland?** Yes X No ____
Hydric Soil Present?	Yes X	No ____	
Wetland Hydrology Present?	Yes X	No ____	If yes, optional Wetland Site ID: W9

Remarks: (Explain alternative procedures here or in a separate report.)

- W9-1 -> W9-6 (closed/isolated)

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ___ Surface Water (A1)
- ___ High Water Table (A2)
- ___ Saturation (A3)
- ___ Water Marks (B1)
- ___ Sediment Deposits (B2)
- ___ Drift Deposits (B3)
- ___ Algal Mat or Crust (B4)
- ___ Iron Deposits (B5)
- ___ Inundation Visible on Aerial Imagery (B7)
- ___ Sparsely Vegetated Concave Surface (B8)
- X Water-Stained Leaves (B9)
- ___ Aquatic Fauna (B13)
- ___ Marl Deposits (B15)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres on Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ___ Surface Soil Cracks (B6)
- ___ Drainage Patterns (B10)
- ___ Moss Trim Lines (B16)
- ___ Dry-Season W ater Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Stunted or Stressed Plants (D1)
- ___ Geomorphic Position (D2)
- ___ Shallow Aquitard (D3)
- ___ Microtopographic Relief (D4)
- ___ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present? Yes ____ No X Depth (inches): N/A

Water Table Present? Yes ____ No X Depth (inches): N/A

Saturation Present? (includes capillary fringe) Yes ____ No X Depth (inches): N/A

Wetland Hydrology Present? Yes X No ____

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

Project Code: W23E07a

VEGETATION : Use scientific names of plants. Sampling Point: D34

Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status
1. NA			
2.			
3.			
4.			
5.			
6.			
7.			
	0 = Total Cover		

Sapling/Shrub Stratum (Plot size: 15')			
1. NA			
2.			
3.			
4.			
5.			
6.			
7.			
	0 = Total Cover		

Herb Stratum (Plot size: 5')			
1. Bidens frondosa	15	Y	FACW
2. Ludwigia palustris	10	Y	OBL
3. Typha latifolia	5	N	↓
4. Juncus effusus	10	Y	↓
5. Populus deltoides	3	N	FAC
6. Glycine MAX	10	Y	NI
7. Juncus tenuis	15	Y	FAC
8.			
9.			
10.			
11.			
12.			
	68 = Total Cover		

Woody Vine Stratum (Plot size: 30')			
1. NA			
2.			
3.			
4.			
	0 = Total Cover		

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: _____ (A)

Total Number of Dominant Species Across All Strata: 5 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: _____ (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	25	x 1 =	25
FACW species	15	x 2 =	30
FAC species	18	x 3 =	54
FACU species	0	x 4 =	0
UPL species	0	x 5 =	0
Column Totals:	58 (A)		109 (B)

Prevalence Index = B/A = 1.879

Hydrophytic Vegetation Indicators:

- ✓ 1 - Rapid Test for Hydrophytic Vegetation
- ✓ 2 - Dominance Test is >50%
- ✓ 3 - Prevalence Index is < 3.0[1]
- __ 4 - Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)
- __ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Definitions of Vegetation Strata:

Tree - Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft (1 m) tall.

Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vines - All woody vines greater than 3.28 ft in height.

Community Type: W9 PEM FARMED WETLAND

Hydrophytic Vegetation Present? Yes ✓ No ____

Remarks: (Include photo numbers here or on a separate sheet.)

Photo # 39 Direction of Photo EAST

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

Project Code: W23E07a

SOIL

Sampling Point: Δ34

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-2	10YR3/1	96	10YR5/8	4	C	M	Sicl+	
2-20	10YR5/1	90	10YR5/8	10	C	M	Sicl	

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Dark Surface (S7) **(LRR R, MLRA 149B)**
- ___ Polyvalue Below Surface (S8) **(LRR R, MLRA 149B)**
- ___ Thin Dark Surface (S9) **(LRR R, MLRA 149B)**
- ___ Loamy Mucky Mineral (F1) **(LRR K, L)**
- ___ Loamy Gleyed Matrix (F2)
- X Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ___ 2 cm Muck (A10) **(LRR K, L, MLRA 149B)**
- ___ Coast Prairie Redox (A16) **(LRR K, L, R)**
- ___ 5 cm Mucky Peat or Peat (S3) **(LRR K, L, R)**
- ___ Dark Surface (S7) **(LRR K, L, M)**
- ___ Polyvalue Below Surface (S8) **(LRR K, L)**
- ___ Thin Dark Surface (S9) **(LRR K, L)**
- ___ Iron-Manganese Masses (F12) **(LRR K, L, R)**
- ___ Piedmont Floodplain Soils (F19) **(MLRA 149B)**
- ___ Mesic Spodic (TA6) **(MLRA 144A, 145, 149B)**
- ___ Red Parent Material (TF2)
- ___ Very Shallow Dark Surface (TF12)
- ___ Other (Explain in Remarks)

[3] Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: NONE

Depth (inches): N/A

Hydric Soil Present? Yes X No ___

Remarks:

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

Project Code: W23E07a

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: SBLC – 999 Campbell Blvd & 1860 & 1920 N. French Road Town/County: Amherst/Erie County Sampling Date: July 29, 2024

Applicant/Owner: Cimato Enterprises State: New York Sampling Point: 35

Investigator(s): Scott Livingstone & Jody Celeste Section, Township, Range: 27.00-2-29; 27.04-1-20 & 27.04-1-16.1

Landform (hillslope, terrace, etc.): LAKE Plain Local relief (concave, convex, none): NONE Slope (%): 1

Subregion (LRR or MLRA) LRRL Lat: 43.03737 Long: -78.75507 Datum: NAD83

Soil Map Unit Name: Swormville Clay loam NWI classification: N/A

Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No ____ (If no, explain in Remarks.)

Are Vegetation X, Soil ____, or Hydrology ____ significantly disturbed? Are "Normal Circumstances" present? Yes X No ____

Are Vegetation ____, Soil ____, or Hydrology ____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS : Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes ____	No X	**Is the Sampled Area within a Wetland?** Yes ____ No X
Hydric Soil Present?	Yes ____	No X	
Wetland Hydrology Present?	Yes ____	No X	If yes, optional Wetland Site ID: N/A

Remarks: (Explain alternative procedures here or in a separate report.)

UPLAND SOYBEAN Field

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ___ Surface Water (A1)
- ___ High Water Table (A2)
- ___ Saturation (A3)
- ___ Water Marks (B1)
- ___ Sediment Deposits (B2)
- ___ Drift Deposits (B3)
- ___ Algal Mat or Crust (B4)
- ___ Iron Deposits (B5)
- ___ Inundation Visible on Aerial Imagery (B7)
- ___ Sparsely Vegetated Concave Surface (B8)
- ___ Water-Stained Leaves (B9)
- ___ Aquatic Fauna (B13)
- ___ Marl Deposits (B15)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres on Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ___ Surface Soil Cracks (B6)
- ___ Drainage Patterns (B10)
- ___ Moss Trim Lines (B16)
- ___ Dry-Season W ater Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Stunted or Stressed Plants (D1)
- ___ Geomorphic Position (D2)
- ___ Shallow Aquitard (D3)
- ___ Microtopographic Relief (D4)
- ___ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present?	Yes ____	No X	Depth (inches): N/A
Water Table Present?	Yes ____	No X	Depth (inches): N/A
Saturation Present? (includes capillary fringe)	Yes ____	No X	Depth (inches): N/A

Wetland Hydrology Present? Yes ____ No X

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

Project Code: W23E07a

VEGETATION : Use scientific names of plants. Sampling Point: D55

Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status
1. NA			
2.			
3.			
4.			
5.			
6.			
7.			
	= Total Cover		

Sapling/Shrub Stratum (Plot size: 15')			
1. NA			
2.			
3.			
4.			
5.			
6.			
7.			
	= Total Cover		

Herb Stratum (Plot size: 5')			
1. Populus deltoides	15	Y	FAC
2. Oxalis corniculata	15	Y	FACU
3. Glycine max	20	Y	NI
4. Symphyotrichum lateriflorum	10	N	FAC
5. Echinochloa crus-galli	10	N	FAC
6. Verbena urticifolia	3	N	FAC
7. Prunella vulgaris	5	N	FACW
8.			
9.			
10.			
11.			
12.			
	78 = Total Cover		

Woody Vine Stratum (Plot size: 30')			
1. NA			
2.			
3.			
4.			
	0 = Total Cover		

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 1 (A)

Total Number of Dominant Species Across All Strata: 3 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 33 (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1 =	0
FACW species	0	x 2 =	0
FAC species	38	x 3 =	114
FACU species	20	x 4 =	80
UPL species	0	x 5 =	0
Column Totals:	58 (A)		(B)

Prevalence Index = B/A = 3.34

Hydrophytic Vegetation Indicators:

- 1 - Rapid Test for Hydrophytic Vegetation
- 2 - Dominance Test is >50%
- 3 - Prevalence Index is < 3.0[1]
- 4 - Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)
- Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Definitions of Vegetation Strata:

Tree - Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft (1 m) tall.

Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vines - All woody vines greater than 3.28 ft in height.

Community Type: Agricultural Field

Hydrophytic Vegetation Present? Yes ____ No X

Remarks: (Include photo numbers here or on a separate sheet.)

Photo # 40 Direction of Photo EAST

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

Project Code: W23E07a

SOIL Sampling Point: D35

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-8	10YR4/1	100					Sil	
8-20	10YR5/3	85	10YR5/6	15	C	M	Sicl	

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Dark Surface (S7) **(LRR R, MLRA 149B)**
- ___ Polyvalue Below Surface (S8) **(LRR R, MLRA 149B)**
- ___ Thin Dark Surface (S9) **(LRR R, MLRA 149B)**
- ___ Loamy Mucky Mineral (F1) **(LRR K, L)**
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ___ 2 cm Muck (A10) **(LRR K, L, MLRA 149B)**
- ___ Coast Prairie Redox (A16) **(LRR K, L, R)**
- ___ 5 cm Mucky Peat or Peat (S3) **(LRR K, L, R)**
- ___ Dark Surface (S7) **(LRR K, L, M)**
- ___ Polyvalue Below Surface (S8) **(LRR K, L)**
- ___ Thin Dark Surface (S9) **(LRR K, L)**
- ___ Iron-Manganese Masses (F12) **(LRR K, L, R)**
- ___ Piedmont Floodplain Soils (F19) **(MLRA 149B)**
- ___ Mesic Spodic (TA6) **(MLRA 144A, 145, 149B)**
- ___ Red Parent Material (TF2)
- ___ Very Shallow Dark Surface (TF12)
- ___ Other (Explain in Remarks)

[3] Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: NONE

Depth (inches): N/A

Hydric Soil Present? Yes ____ No X

Remarks:

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

Project Code: W23E07a

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: SBLC – 999 Campbell Blvd & 1860 & 1920 N. French Road Town/County: Amherst/Erie County Sampling Date: March 28, 2024 JULY 29

Applicant/Owner: Cimato Enterprises State: New York Sampling Point: D36

Investigator(s): Scott Livingstone & Jody Celeste Section, Township, Range: 27.00-2-29; 27.04-1-20 & 27.04-1-16.1

Landform (hillslope, terrace, etc.): Depression Local relief (concave, convex, none): CONCAVE Slope (%): 0

Subregion (LRR or MLRA) LRRL Lat: 43.04095 Long: -78.75635 Datum: NAD83

Soil Map Unit Name: WAYLAND SOILS COMPLEX, 0-3% NWI classification: PEM

Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No ____ (If no, explain in Remarks.)

Are Vegetation ____, Soil ____, or Hydrology ____ significantly disturbed? Are "Normal Circumstances" present? Yes X No ____

Are Vegetation ____, Soil ____, or Hydrology ____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS : Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes X	No ____	**Is the Sampled Area within a Wetland?** Yes X No ____
Hydric Soil Present?	Yes X	No ____	
Wetland Hydrology Present?	Yes X	No ____	If yes, optional Wetland Site ID: W8

Remarks: (Explain alternative procedures here or in a separate report.)

• W8-1 → W8-8 (CLOSED/ISOLATED)

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- X Surface Water (A1)
- X High Water Table (A2)
- X Saturation (A3)
- ___ Water Marks (B1)
- ___ Sediment Deposits (B2)
- ___ Drift Deposits (B3)
- ___ Algal Mat or Crust (B4)
- ___ Iron Deposits (B5)
- ___ Inundation Visible on Aerial Imagery (B7)
- ___ Sparsely Vegetated Concave Surface (B8)
- X Water-Stained Leaves (B9)
- ___ Aquatic Fauna (B13)
- ___ Marl Deposits (B15)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres on Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ___ Surface Soil Cracks (B6)
- ___ Drainage Patterns (B10)
- ___ Moss Trim Lines (B16)
- ___ Dry-Season W ater Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Stunted or Stressed Plants (D1)
- ___ Geomorphic Position (D2)
- ___ Shallow Aquitard (D3)
- ___ Microtopographic Relief (D4)
- ___ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present?	Yes X	No ____	Depth (inches): 3"
Water Table Present?	Yes X	No ____	Depth (inches): INUNDATED
Saturation Present? (includes capillary fringe)	Yes X	No ____	Depth (inches): INUNDATED

Wetland Hydrology Present? Yes X No ____

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

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Project Code: W23E07a

VEGETATION : Use scientific names of plants.

Sampling Point: D36

Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status
1. NA			
2.			
3.			
4.			
5.			
6.			
7.			
	0 = Total Cover		

Sapling/Shrub Stratum (Plot size: 15')			
1. NA			
2.			
3.			
4.			
5.			
6.			
7.			
	0 = Total Cover		

Herb Stratum (Plot size: 5')			
1. GLYCERIA STRIATA	15	Y	OBL
2. BIDENS FRONDOSA	5	N	FACW
3. SALIX DISCOLOR	15	Y	FACW
4. TYPHA LATIFOLIA	10	N	OBL
5. JUNCUS EFFUSUS	20	Y	↓
6. ACER RUBRUM	5	N	FAC
7. SCIRPUS CYPERINUS	5	N	OBL
8. POA PALUSTRIS	5	N	FACW
9. BARBAREA VULGARIS	3	N	FAC
10. LYTHRUM SALICARIA	10	N	OBL
11.			
12.			
	93 = Total Cover		

Woody Vine Stratum (Plot size: 30')			
1. NA			
2.			
3.			
4.			
	0 = Total Cover		

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 2 (A)

Total Number of Dominant Species Across All Strata: 2 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 100 (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	60	x 1 =	60
FACW species	20	x 2 =	40
FAC species	9	x 3 =	24
FACU species	5	x 4 =	20
UPL species	0	x 5 =	0
Column Totals:	93 (A)		144 (B)

Prevalence Index = B/A = 1.54

Hydrophytic Vegetation Indicators:

- ✓ 1 - Rapid Test for Hydrophytic Vegetation
- ✓ 2 - Dominance Test is >50%
- ___ 3 - Prevalence Index is < 3.0[1]
- ___ 4 - Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)
- ___ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Definitions of Vegetation Strata:

Tree - Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft (1 m) tall.

Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vines - All woody vines greater than 3.28 ft in height.

W8

Community Type: PEM SHALLOW EMERGENT MAR

Hydrophytic Vegetation Present? Yes X No ___

Remarks: (Include photo numbers here or on a separate sheet.)

Photo # 28 Direction of Photo WEST

W8-1 through W8-8

ISOLATED

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

SOIL

Sampling Point: D24

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-7	10YR4/1	95	10YR5/8	5	C	M	Sicl	
7-20	10YR5/1	85	10YR5/8	15	C	M	SiC	

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Dark Surface (S7) **(LRR R, MLRA 149B)**
- ___ Polyvalue Below Surface (S8) **(LRR R, MLRA 149B)**
- ___ Thin Dark Surface (S9) **(LRR R, MLRA 149B)**
- ___ Loamy Mucky Mineral (F1) **(LRR K, L)**
- ___ Loamy Gleyed Matrix (F2)
- X Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ___ 2 cm Muck (A10) **(LRR K, L, MLRA 149B)**
- ___ Coast Prairie Redox (A16) **(LRR K, L, R)**
- ___ 5 cm Mucky Peat or Peat (S3) **(LRR K, L, R)**
- ___ Dark Surface (S7) **(LRR K, L, M)**
- ___ Polyvalue Below Surface (S8) **(LRR K, L)**
- ___ Thin Dark Surface (S9) **(LRR K, L)**
- ___ Iron-Manganese Masses (F12) **(LRR K, L, R)**
- ___ Piedmont Floodplain Soils (F19) **(MLRA 149B)**
- ___ Mesic Spodic (TA6) **(MLRA 144A, 145, 149B)**
- ___ Red Parent Material (TF2)
- ___ Very Shallow Dark Surface (TF12)
- ___ Other (Explain in Remarks)

[3] Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: NONE

Depth (inches): N/A

Hydric Soil Present? Yes X No ___

Remarks:

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APPENDIX C - SITE PHOTOGRAPHS

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)



Photo 1: Facing east. Depicts the proposed site entrance from Crosspoint Parkway. 4-11-23



Photo 2: Facing south. Depicts Stream 1 flowing north along the eastern property limits. 4-11-23



Photo 3: Facing north. Depicts the gravel staging area in the southwest corner of the site. 4-11-23



Photo 4: Facing south. Depicts the scrub-shrub swamp community of wetland W1 at data point D1. 4-11-23



Photo 5: Facing south. Depicts the gravel staging area at data point D2. 4-11-23



Photo 6: Facing east. Depicts the scrub-shrub swamp community of wetland W2 at data point D3. 4-11-23

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)



Photo 7: Facing north. Depicts the successional shrubland community at data point D4. 4-11-23



Photo 8: Facing northwest. Depicts the brushy cleared land community at data point D5. 4-11-23



Photo 9: Facing south. Depicts Stream 2 flowing northerly through the site. 4-11-23



Photo 10: Facing north. Depicts the scrub-shrub swamp community of wetland W2 at data point D6. 4-11-23



Photo 11: Facing west. Depicts the successional northern hardwood community at data point D7. 4-11-23



Photo 12: Facing west. Depicts the scrub-shrub swamp community of wetland W2 at data point D8. 4-11-23.

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)



Photo 13: Facing north. Depicts the brushy cleared land community at data point D9. 4-11-23



Photo 14: Facing east. Depicts the hardwood swamp community of wetland W3 at data point D10. 4-11-23



Photo 15: Facing west. Depicts the brushy cleared land community at data point D11. 4-11-23



Photo 16: Facing west. Depicts the brushy cleared land community at data point D12. 4-11-23



Photo 17: Facing north. Depicts the brushy cleared land community at data point D13. 4-11-23



Photo 18: Facing east. Depicts the successional northern hardwood community at data point D14. 4-11-23

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)



Photo 19: Facing southeast. Depicts the scrub-shrub swamp community of wetland W2 at data point D15. 4-11-23



Photo 20: Facing north. Depicts the successional shrubland community at data point D16. 4-11-23



Photo 21: Facing west. Depicts Stream 3 flowing easterly into Stream 2. 4-11-23



Photo 22: Facing west. Depicts wetland W4 at data point D17. 07-29-24



Photo 23: Facing east. Depicts successional old field at data point D18. 07-29-24



Photo 24: Facing north. Depicts wetland W5 at data point D19. 07-29-24

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)



Photo 25: Facing west. Depicts agricultural field at data point D20. 07-29-24



Photo 26: Facing north. Depicts wetland W6 at data point D21. 07-29-24



Photo 27: Facing east Depicts agricultural field at data point D22. 07-29-24



Photo 28: Facing north. Depicts wetland W8. 07-29-24



Photo 29: Facing west. Depicts agricultural field at data point D24. 07-29-24



Photo 30: Facing west. Depicts agricultural field at data point D25. 07-29-24

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)



Photo 31: Facing east. Depicts the extension of W3 at data point D26. 07-29-24



Photo 32: Facing north. Depicts agricultural field at data point D27. 07-29-24



Photo 33: Facing north. Depicts an agricultural field at data point D28. 07-29-24



Photo 34: Facing north. Depicts wetland W7 at data point D29. 07-29-24



Photo 35: Facing north. Depicts an agricultural field community of data point D30. 07-29-24



Photo 36: Facing south. Depicts an agricultural field at data point D31. 07-29-24

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)



Photo 37: Facing south. Depicts an agricultural field at data point D32. 07-29-24



Photo 38: Facing south. Depicts an agricultural field community at data point D33. 07-29-24



Photo 39: Facing east. Depicts a farmed wetland (W9) at data point D34. 07-29-24



Photo 40: Facing east. Depicts an agricultural field community of data point D35. 07-29-24

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

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APPENDIX D - REFERENCES

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

INFORMATIONAL REFERENCES
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Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

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APPENDIX E - WETLAND INVESTIGATION PERSONNEL

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

Soils and Hydrology Sampling
Scott Livingstone, Senior Soil Scientist
Earth Dimensions, Inc.
1091 Jamison Road
Elma, New York 14059
(716) 655-1717

Vegetation Sampling
Tom Somerville, Ecologist
Jody M. Celeste, Ecologist
Earth Dimensions, Inc.
1091 Jamison Road
Elma, New York 14059
(716) 655-1717

Report Preparation
Tom Somerville, Ecologist
Jody M. Celeste, Ecologist
Alex Molik, Ecologist
Earth Dimensions, Inc.
1091 Jamison Road
Elma, New York 14059
(716) 655-1717

Attachment: BCPA-2024-02_application_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

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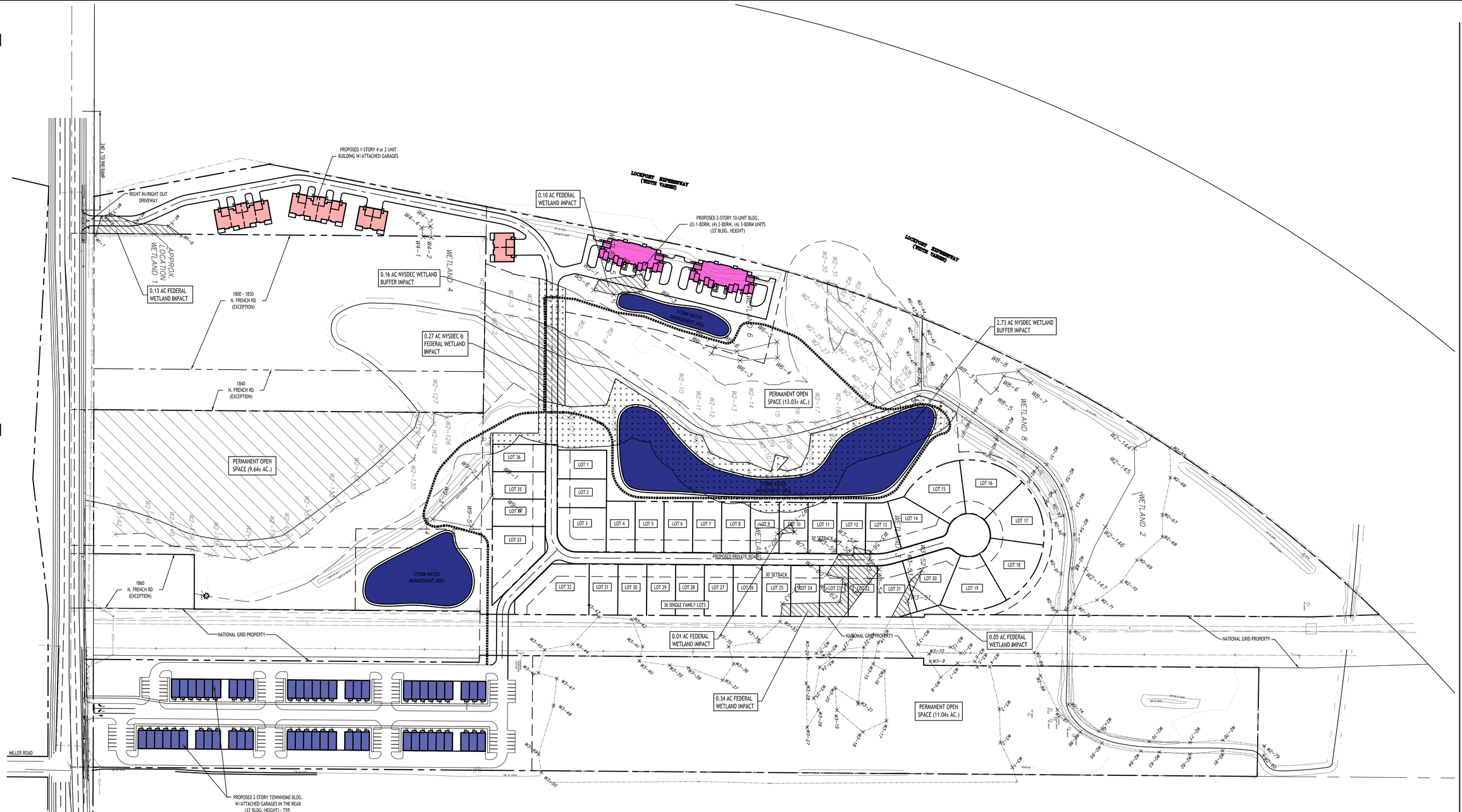

RESIDENTIAL USE SUMMARY

4-UNIT or 2-UNIT, 1-STORY BLDGS = 12

10-UNIT, 2-STORY BLDGS = 20

3-6-UNIT, 2-STORY TOWNHOME BLDGS = 57

TOTAL RESIDENTIAL UNITS = 89

PROPOSED WALKING/JOGGING TRAILS

SITE DATA (SA TO BE REZONED R-3)
36 SINGLE FAMILY LOTS (27.46± AC.)

MIN. LOT WIDTH = 65 FT INTERIOR LOTS
MIN. LOT WIDTH = 75 FT CORNER LOTS

MIN. LOT AREA = 8,450 SF INTERIOR LOTS
MIN. LOT AREA = 9,750 SF CORNER LOTS

FRONT SETBACK = 30 FT
SIDE SETBACK = 5 FT
REAR SETBACK = 30 FT

MAXIMUM LOT COVERAGE = 35%
MAXIMUM BUILDING HEIGHT = 35 FT

MINIMUM FLOOR AREA = 1,000 SF (1 STORY)
MINIMUM FLOOR AREA = 1,200 SF (2 STORIES)

SITE DATA (SA TO BE REZONED MFR-5)
TOWNHOMES (6.34± AC.)

UNIT BREAKDOWN

2 - BDRM UNITS = 57

DENSITY CALCULATION

REQ'D LAND AREA

2 - BDRM: 57 x 4356 SF = 248,292 SF

248,292 SF = 5.70 ACRES REQD

PARKING CALCULATION

REQ'D = 2 SPACES PER UNIT
REQ'D = 57 UNITS x 2 = 114 SPACES REQD

PROVIDED = 269 SPACES W/ GARAGES

SITE DATA (SA TO BE REZONED MFR-5)
MULTIFAMILY (17.05± AC.)

UNIT BREAKDOWN

1 - BDRM UNITS = 4
2 - BDRM UNITS = 20
3 - BDRM UNITS = 8

TOTAL = 32 UNITS

DENSITY CALCULATION

REQ'D LAND AREA

1 - BDRM: 4 x 3630 SF = 14,520 SF
2 - BDRM: 20 x 4356 SF = 87,120 SF
3 - BDRM: 8 x 5445 SF = 43,560 SF

TOTAL = 145,200 SF = 3.33 ACRES REQD

PARKING CALCULATION

REQ'D = 2 SPACES PER UNIT
REQ'D = 32 UNITS x 2 = 64 SPACES REQD

PROVIDED = 64 SPACES W/ GARAGES

WETLAND IMPACTS

NYSDEC WETLAND IMPACTS = 0.27 AC

NYSDEC WETLAND BUFFER IMPACTS = 2.89 AC

FEDERAL WETLAND IMPACTS = 0.90 AC

TOTAL PERMANENT OPEN SPACE = 33.71± AC.

N

CONCEPT SITE PLAN

SCALE: 1"=110'

NOTE: BOUNDARY AND TOPOGRAPHIC INFORMATION PROVIDED BY OTHERS, CARMINA WOOD DESIGN ASSUMES NO RESPONSIBILITY FOR ITS ACCURACY.

110' 110 0 110 220Ft.

CARMINAWOOD DESIGN
Buffalo | Utica | Greensboro

Mixed Use Development

1790, 1860 & 1920 North French Road & Portion of 999 Campbell Blvd.
Amherst, New York
SBL No. 27.04-1-12, 16.1 & 20, 27.00-2-29

REVISIONS:

No.	Description	Date
1	Revised title block address	4/3/24
2	Added Federal wetlands	6/3/24
3	Updated Federal wetlands	6/7/24
4	Updated per Owner Comments	6/13/24
5	Updated per wetland delineation	8/19/24

PRELIMINARY
NOT FOR CONSTRUCTION

DRAWING NAME:
Concept Site Plan

Date: 7/16
Drawn By: C. W.
Scale: As No

DRAWING NO.
C-100

Project No: 23-4131

Attachment: BCPA-2024-02_drawings_112124 (29336 : BCPA-2024-02, 1720, 1860 & 1920 N. French Rd and 999 Campbell Blvd.)

TOWN OF AMHERST
PLANNING BOARD
COMPREHENSIVE PLAN AMENDMENT
BCPA-2024-02

PETITIONER

SBLC Development Corp.
c/o Sean Hopkins, Esq.
5500 Main Street, Suite 343
Williamsville, NY 14221

PROPERTY LOCATION

1790, 1860 & 1920 North French Road
and 999 Campbell Boulevard (portion)

NOV 26 2024 PM3:

WHEREAS the Town of Amherst Planning Board on Thursday, November 21, 2024 held a public hearing on the proposed amendment to the Bicentennial Comprehensive Plan, and

WHEREAS the Planning Board has reviewed the Town of Amherst Bicentennial Comprehensive Plan, and

WHEREAS the Planning Board has reviewed plans and other materials regarding the proposal, and

WHEREAS the materials and plans have been referred to the Town's various review agencies, and

WHEREAS the Planning Board finds that:

A. The proposed request is generally inconsistent with the Zoning Ordinance and is inconsistent with the following goals, objectives, recommendations and sections of the Comprehensive Plan:

- The Comprehensive Plan encourages redevelopment and infill development within existing residential neighborhoods and commercial areas as opposed to extending suburban development on to open lands in northern Amherst.
- Chapter 3, Land Use and Development; identifies much of this area as Recreation, Open Space & Greenways and areas to the east as Industrial-Office.
- The Conceptual Land Use Plan (Figure 6), illustrates the future direction and land use as Industrial-Office for a portion of the area. As stated in Section 3.3.4 of the Plan, the desirable site characteristics for the location of industrial-office uses are: 1) access to major transportation routes; 2) away from residential neighborhoods; and 3) on large tracts of land that can be buffered from surrounding areas. While the proposed concept offers a range of housing choices in a suburban/rural setting, the subject land location expends a limited land resource for a future use that is currently in high demand.
- The I-990 is an interstate expressway and North French Road is a minor arterial roadway at this location. The proposed site is ideally located for warehousing distribution and/or research and development uses with excellent accessibility to these roads and North French Road with direct connections, Millersport Highway (a major arterial) and Campbell Boulevard. This location is ideal for higher volume, higher speed trips that serve intercommunity and interregional trade daily.

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TOWN OF AMHERST
PLANNING BOARD
COMPREHENSIVE PLAN AMENDMENT
BCPA-2024-02

PETITIONER

SBLC Development Corp.

PROPERTY LOCATION

1790, 1860 & 1920 North French Road
& 999 Campbell Blvd. (portion)

NOV 26 2024 PM3:

- The proposed project increases potential for impacts of development on sensitive lands
- This proposed development at this location does not fulfill the objectives or goals of the Housing and Neighborhoods section of the Plan or promote housing affordability as stated in Section 8.3 of the Plan.

B. The subject property is suitable for uses permitted by the current versus the proposed land use designation.

C. The proposed change does not improve the balance of land uses, and does not meet a specific demand in the Town.

D. The Town's Strategic Economic Development Plan prepared by RKG consultants indicates a regional demand for warehousing space due to high volume ecommerce spending and identified this area as an ideal location for sidewalks due to the site's access to I-990 and it offers a viable development opportunity for warehouse/distribution facilities.

E. The land surrounding the subject request is comprised of transportation facilities, industrial uses and natural beneficial features which are less compatible with the largely residential development.

NOW THEREFORE BE IT RESOLVED that the Planning Board recommends to the Town Board in accordance with New York State Town Law §272-a Subsection 4, that the request to amend the Bicentennial Comprehensive Plan be **denied for the above stated reasons.**

The foregoing resolution was adopted by the Town of Amherst Planning Board, November 21, 2024; moved by Penberthy; seconded by Gill; ayes 4; noes 2 (Chmiel, Kahn), absent 1 (Giuliani).

Michael J. Chmiel, Planning Board Chair

11/26/24
Date

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PLANNING BOARD
COMPREHENSIVE PLAN AMENDMENT
BCPA-2024-02

PETITIONER

SBLC Development Corp.

PROPERTY LOCATION

1790, 1860 & 1920 North French Road
and 999 Campbell Boulevard (portion)

NOV 26 2024 PM3

SM/ac
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cc: Town Clerk
Commissioner of Building
Highway Superintendent
Town Engineer
ECDEP
ECDPW
NYSDOT
NYSDEC
ACAC
Traffic/Safety Coordinator
Anthony Pandolfe, Carmina Wood Design, 487 Main Street #500, Buffalo, NY 14203
Sean Hopkins, Hopkins Sorgi & McCarthy, 5500 Main St., Suite 343, Williamsville, NY 14221
Fred Cimato, Cimato & Sons, 9920 Transit Rd., E. Amherst, NY 14051
Elliot Lasky, PO Box 1454, Williamsville, NY 14221

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