MINUTES
TOWN OF AMHERST
AMHERST PLANNING BOARD MEETING
June 26, 2025
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	
Carrie H. Kahn	Town of Amherst	Board Member	Absent	
Brittany Lee Penberthy	Town of Amherst	Board Member	Present	
Joseph P. Raffaele Jr.	Town of Amherst	Board Member	Absent	
Jonathan O'Rourke	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	
Jacqualine Berger	Town of Amherst	Councilmember	Present	
Sebastine Odiata	Town of Amherst	Senior Deputy Attorney	Present	

MINUTES APPROVAL

May 15, 2025
Ms. Penberthy moved to approve the minutes. The motion was seconded by Mr. O'Rourke and carried. Ayes 4, Noes 0, Abstain 1 (Gill), Absent 2 (Kahn, Raffaele).

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 EGGERTSVILLE FIRE DISTRICT - STORAGE BUILDING AND BUILDINGS ADDITIONS, SP-1994-18B
Property located at 1880 Eggert Road
Eggertsville Hose Company, Petitioner

Proposal to construct a new 3,040 square foot 1-story Storage Building to the south of the main fire hall building, a 728 square foot 1-story addition to the accessory building in the southwest portion of the site, a 499 square foot 1-story Antique Fire Truck addition to the northeast corner of the main fire hall building, new covered patio on the south side of the main fire hall building along with new accessible parking and ramps, minor site re-grading, drainage, utilities, and landscaping improvements resulting in the loss of one parking space.

Andrew Terragnoli, Studio T3 Engineering, represented the petitioner, explained the proposal and was available to answer questions from the Board.

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

Following discussion, Mr. O'Rourke moved to approve the Negative Declaration. The motion was seconded by Ms. Penberthy carried. Ayes 5, Noes 0, Absent 2 (Kahn, Raffaele).

Following the approval of the Negative Declaration, Ms. Penberthy moved to approve the request based on the resolution. The motion was seconded by Mr. Davis and carried. Ayes 5, Noes 0, Absent 2 (Kahn, Raffaele).

RESULT:	**APPROVED [UNANIMOUS]**
MOVER:	Brittany Lee Penberthy, Board Member
SECONDER:	John B. Davis, Board Member
AYES:	Chmiel, Davis, Gill, Penberthy, O'Rourke
ABSENT:	Kahn, Raffaele Jr.

SUBDIVISIONS & RELIEF FROM CONDITIONS OF SUBDIVISIONS

2. PRELIMINARY PLAT REVIEW FOR A PROPOSED 14 BUILDING LOT SUBDIVISION, SUB-2024-02_PP
Property located at 1789 Dodge Road
Joseph Rubino, Petitioner

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

In response to the Board's questions, Mr. Hopkins stated the proposed subdivision is higher density than the adjoining property but not the nearby subdivisions and discussed the potential headlight impact at 1780 and 1790 Dodge Road and their willingness to plant evergreen trees on both properties.

William Pitz, 1815 Dodge Road; Sandy Mack, 1790 Dodge Road; and Nancy Fender, 101 Main Street; spoke in opposition to the proposal.

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

Following discussion, Ms. Penberthy moved to deny the waiver to §204 of Town Code for the paved stub road and approve the waiver for sidewalks on the southerly property line. The motion was seconded by Mr. O'Rourke and carried. Ayes 5, Noes 0, Absent 2 (Kahn, Raffaele).

A motion to approve the Preliminary Plat was made by O'Rourke; seconded by Davis; ayes 3; noes 2 (Gill, Penberthy); absent 2 (Kahn, Raffaele). The result is uncertain and the motion did not carry.

The Motions and subsequent votes created great confusion as to their outcome and effect. Both the Applicant, through their attorney and members of the Public objected to the Motions and their potential results.

RESULT:	**THE MOTION DID NOT CARRY [3 TO 2]**
MOVER:	Jonathan O'Rourke, Board Member
SECONDER:	John B. Davis, Board Member
AYES:	Chmiel, Davis, O'Rourke
NAYS:	Gill, Penberthy
ABSENT:	Kahn, Raffaele Jr.

3. PRELIMINARY PLAT REVIEW FOR A PROPOSED 23-LOT SUBDIVISION OF A 22 TOWNHOME DEVELOPMENT, SUB-2025-01_PP (AKA SP-2024-05_A)
Property located at 4774-4780 Sheridan Drive
4780 Sheridan Drive LLC, Petitioner

Proposed subdivision of 5.03 acres into 23 parcels comprised of eleven (11) 2-unit townhome buildings with attached garages (22 units) and a common area lot along with the site, utility & lighting improvements. Number of units, and layout/location of buildings, drive and stormwater management practice remain the same as the previously-approved Site Plan (SP-2024-05.)

As part of the Preliminary Plat Approval, the Planning Board is being requested to address waivers to certain subdivision standards prior to taking action on the Preliminary Plat. The requested waivers to §204 of Town Code relate to design standards for the private street include:

- §204-3-2-4(1) – not providing required sidewalks on both sides of street,
- §204-3-2-4(1) – not providing required planting strips on both sides of street,
- §204-3-2-4 G – not providing required upright curbs, and
- §204-3-2-4A(7)(e) – not continuing the property lines to the centerline of the private roadway

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

In response to the Board's questions, Mr. Hopkins explained the petitioners request or a waiver to §204 of Town Code.

Dehlia Corin, 90 Deville Circle, spoke regarding privacy, trash and drainage.

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

Following discussion, Mr. O'Rourke moved to approve the waiver to §204 of Town Code. The motion was seconded by Mr. Davis and carried. Ayes 5, Noes 0, Absent 2 (Kahn, Raffaele).

Following the approval to the waiver of Town Code, Mr. Davis moved to approve the request based on the resolution. The motion was seconded by Mr. O'Rourke and carried. Ayes 5, Noes 0, Absent 2 (Kahn, Raffaele).

RESULT:	**APPROVED [UNANIMOUS]**
MOVER:	John B. Davis, Board Member
SECONDER:	Jonathan O'Rourke, Board Member
AYES:	Chmiel, Davis, Gill, Penberthy, O'Rourke
ABSENT:	Kahn, Raffaele Jr.

REZONING & RELIEF FROM CONDITIONS OF REZONINGS

4. REQUEST TO REZONE 1.41± ACRES OF LAND FROM NB TO GB, Z-2025-02
Property located at 2577 Millersport Highway
Bevilacqua Development, Petitioner

To allow the petitioner to redevelop an existing vacant commercial restaurant building into a quick-service drive-through.

Jeffery Palumbo, Esq., Block. Longo, LaMarca & Brezinski, , represented the petitioner, explained the proposal and was available to answer questions from the Board.

In response to the Board's questions, Mr. Palumbo stated this may be a coffee shop, he is hesitant to agree to buffering/set back conditions due to the unknown use of the site, the concept plan is for the original tenant and regardless of the tenant the site will have a drive-thru.

Melissa Semidey Finley, Esq., representing the neighbors of the site spoke in opposition to the proposal.

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

Following discussion, Ms. Penberthy moved to approve with a condition that the proposed easterly green space be presented in perpetuity. The motion was seconded by Mr. Davis and carried. Ayes 4, Noes 1 (Gill), Absent 2 (Kahn, Raffaele).

RESULT:	**APPROVED [4 TO 1]**
MOVER:	Brittany Lee Penberthy, Board Member
SECONDER:	John B. Davis, Board Member
AYES:	Chmiel, Davis, Penberthy, O'Rourke
NAYS:	Gill
ABSENT:	Kahn, Raffaele Jr.

MISCELLANEOUS

None

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

5. REQUEST FOR EXTENSION OF SITE PLAN APPROVAL FOR A PROPOSED OFFICE BUILDING, SP-1992-44_K
Property located at 2420-2430 N. Forest Road (NCD)
Benderson Development Company LLC, Petitioner

RESULT:	**APPROVED [UNANIMOUS]**
MOVER:	Jonathan O'Rourke, Board Member
SECONDER:	John B. Davis, Board Member
AYES:	Chmiel, Davis, Gill, Penberthy, O'Rourke
ABSENT:	Kahn, Raffaele Jr.

SUBDIVISIONS & RELIEF FROM CONDITIONS OF SUBDIVISIONS

6. PROPOSED FINAL PLAT FOR A 26-LOT SUBDIVISION "ASHLEY GREEN", SUB-2022-02FP
Property located at 10060 Transit Road (portion)
Ashley Green LLC, Petitioner

RESULT:	**APPROVED [UNANIMOUS]**
MOVER:	Harbinder Gill, Board Member
SECONDER:	Michael Chmiel, Chair
AYES:	Chmiel, Davis, Gill, Penberthy, O'Rourke
ABSENT:	Kahn, Raffaele Jr.

REZONING & RELIEF FROM CONDITIONS OF REZONINGS

None

MISCELLANEOUS

7. PROPOSED REQUEST TO RENAME BOWMART PARKWAY TO COSTCO WAY AND TO AMEND THE OFFICIAL TOWN MAP, SR-2025-01
Benderson Development Company LLC, Petitioner

RESULT:	**DENIED [UNANIMOUS]**
MOVER:	Brittany Lee Penberthy, Board Member
SECONDER:	Harbinder Gill, Board Member
AYES:	Chmiel, Davis, Gill, Penberthy, O'Rourke
ABSENT:	Kahn, Raffaele Jr.

OTHER COMMUNICATIONS

None

DIRECTOR'S REPORT

ADJOURNMENT

The Planning Board meeting of Thursday, June 26, 2025 was adjourned at 8:30 pm.

Amherst Planning Board
5583 Main Street
Williamsville, NY 14221

Meeting: 06/26/25 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: 29950 A

ADOPTED

PLANNING BOARD ITEM (ID # 29950)

Proposed Eggertsville Fire District - Storage Building and Buildings Additions, SP-1994-18B

Property located at 1880 Eggert Road
Eggertsville Hose Company, Petitioner

Proposal to construct a new 3,040 square foot 1-story Storage Building to the south of the main fire hall building, a 728 square foot 1-story addition to the accessory building in the southwest portion of the site, a 499 square foot 1-story Antique Fire Truck addition to the northeast corner of the main fire hall building, new covered patio on the south side of the main fire hall building along with new accessible parking and ramps, minor site re-grading, drainage, utilities, and landscaping improvements resulting in the loss of one parking space.

Andrew Terragnoli, Studio T3 Engineering, represented the petitioner, explained the proposal and was available to answer questions from the Board.

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

Following discussion, Mr. O'Rourke moved to approve the Negative Declaration. The motion was seconded by Ms. Penberthy carried. Ayes 5, Noes 0, Absent 2 (Kahn, Raffaele).

Following the approval of the Negative Declaration, Ms. Penberthy moved to approve the request based on the resolution. The motion was seconded by Mr. Davis and carried. Ayes 5, Noes 0, Absent 2 (Kahn, Raffaele).

ATTACHMENTS:

- SP-1994-18_B_applicatiion_032025 (PDF)
- SP-1994-18_B_drawings_032025 (PDF)
- SP-1994-18_B_drawings_062625 (PDF)
- SP-1994-18B signed neg dec 062625 (PDF)
- SP-1994-18B signed resolution 062625 (PDF)

RESULT:	**APPROVED [UNANIMOUS]**
MOVER:	Brittany Lee Penberthy, Board Member
SECONDER:	John B. Davis, Board Member
AYES:	Chmiel, Davis, Gill, Penberthy, O'Rourke
ABSENT:	Carrie H. Kahn, Joseph P. Raffaele Jr.

TOWN OF AMHERST

APPLICATION & REVIEW PROCEDURE

MAJOR SITE PLAN

MATERIALS MUST BE PROVIDED IN AN ELECTRONIC FORMAT THAT CONTAINS PDF FILES OF THE APPLICATION, EAF, SITE PLAN DRAWING SET SURVEY, LANDSCAPE PLAN, PRELIMINARY BUILDING FLOO PLANS / ELEVATIONS & ANY OTHER SUPPORTING INFORMATION. THIS MUST BE SUBMITTED WITH YOUR APPLICATION. APPLICATIONS WILL NOT BE TRANSMITTED WITHOUT THIS ELECTRONIC INFORMATION.

THIS ALSO APPLIES TO REVISED MATERIALS THAT AR SUBMITTED.

This application package includes the following:

- Application Procedures
- Application Form & Checklist
- Stormwater Pollution Prevention Plan Checklist
- Appendix A Town of Amherst EAF Addendum
- Appendix B Criteria for Required 8½" x 11" Sketches
- Appendix C Erie Sewer District No. 5 – Commercial / Industrial New & Existing Buildings Requirements

- IMPORTANT-

1. A pre-submittal consultation with Planning Department staff is *strongly recommended* prior to submitting an application. The pre-submittal meeting gives the applicant an opportunity to discuss with staff such items as:
   - classifying the action as a major site plan, minor site plan, or minor site plan adjustment;
   - determining what specific information will be required to be submitted with the application;
   - identifying and discussing issues that must be addressed as part of the SEQR review;
   - identifying any potential variances required to implement the project as proposed.

   An appointment is required for all meetings with Planning Department staff.

2. This site plan petition is subject to the requirements of 6 NYCRR Part 617, State Environmental Quality Review Act (SEQR), and Chapter 104 of the Town of Amherst Code, as amended. The Planning Board cannot make a SEQR determination unless a complete Environmental Assessment Form (EAF), including Town of Amherst EAF Addendum, and any required supplementary information such as traffic impact studies, archaeological reports, wetland delineations or geotechnical reports, are submitted. SEQR issues may be discussed with Planning Department staff at a recommended pre-submittal meeting. Unlisted Actions require a Short EAF; Type I Actions require a Full EAF. The following is a link to the NYSDEC website and fillable forms with instructions*:*
   https://gisservices.dec.ny.gov/eafmapper/.

3. **Review by the Town Design Advisory Board (DAB) is required for Major Site Plans located in the following Mixed-Use zoning districts:**

   Traditional Infill 2.5 (TI-2.5)
   Traditional Infill 4 (TI-4)
   Shallow Corridor 3 (SC-3)
   Deep Corridor 3 (DC-3)
   Deep Corridor 5 (DC-5)
   Center 2.5 (CTR-2.5)
   Center 5 (CTR-5)
   Center 8 (CTR-8)

   The application for DAB review is required to be filed in conjunction with the major site plan application.

Attachment: SP-1994-18_B_application_032025 (29950 : SP-1994-18B, 1880 Eggert Road)

4. The application shall be executed or consented to in writing by the owner of the property.

5. **Any variances from the Zoning Board of Appeals, or any decision from the Town Board (e.g. removal of deed restrictions) must be obtained prior to action by the Planning Board on a Site Plan application.**

6. Submittal of an application grants permission to Town staff and Planning Board members to access the parcel(s) under consideration.

7. All site plan drawings must be prepared by a Registered Architect, Professional Engineer, Landscape Architect, or Land Surveyor (as applicable) licensed to practice in New York State.

8. If you wish to include a Coordinated Sign Plan application with the site plan petition, a separate application must be completed. Contact the Planning Department for a copy of a Coordinated Sign Plan application package.

9. All drawings should be no larger than 24 in. x 36 in. If site characteristics warrant larger plan sheets, they may be accepted subject to Planning Department concurrence. All drawings must also reserve a 4 in. x 6 in. area in the lower right hand corner for official Town use.

APPLICATION PROCEDURES

1. Applicant secures application package from the Planning Department, 5583 Main Street, Williamsville, NY 14221. (716) 631-7051. Forms are also available online at: www.amherst.ny.us, (keyword: Planning).

2. Applicant prepares information as required on the Site Plan Submittal Checklist, attached. NOTE: Some proposals may not require all items on the checklist; please verify with the Planning Department.

3. Applicant schedules an appointment with the Planning Department to review the following:
   - a complete set of site plan drawings, preliminary building elevations and floor plans (no larger than 24" x 36" in size)
   - Environmental Assessment Form (EAF) & Town EAF Addendum
   - any supporting reports and materials
   - verification from the Town Assessor that the address in the application is correct

4. Applicant schedules an application submittal appointment with the Planning Department. NO SITE PLAN WILL BE ACCEPTED FOR REVIEW WITHOUT A PRE-SET SUBMITTAL APPOINTMENT.

5. At the submittal appointment, applicant provides fourteen (14) complete and collated sets of drawings and application information to the Planning Department **(materials will not be accepted unless folded into 9" x 12" in size),** including**:**
   - application form
   - Environmental Assessment Form (EAF)
   - supporting reports / materials
   - complete set of site plan drawings, preliminary building elevations and floor plans (**at least one (1) set of drawings must bear a raised or wet seal and signature of the design professional** who prepared the plans; the remaining copies may be submitted with a facsimile of the seal and signature)
   - digital files of all materials in pdf format
   - an 8½" x 11" reduction of the sketch plan or plat drawing (see Appendix B)

Attachment: SP-1994-18_B_application_032025 (29950 : SP-1994-18B, 1880 Eggert Road)

6. After approval for filing by the Planning Department, applicant submits all necessary fees to the Town Clerk. **(See Schedule of Fees on first page of application and make checks payable to: Town of Amherst.)**

7. The applicant returns a copy of the filing receipt to the Planning Department.

8. The Planning Department transmits remaining thirteen (13) copies of the application and supporting materials to:
   - Assessor
   - Commissioner of Building
   - Town Engineer
   - Superintendent of Highways
   - Traffic/Safety Board
   - Fire Chiefs' Association
   - Plumbing Division
   - Right-of-Way Agent
   - Police Department (if applicable)
   - Zoning Enforcement Officer
   - Other Town and outside agencies, as applicable

9. Within 30 days of its receipt of the complete application for Site Plan approval, each agency completes its review and notifies the Planning Department in writing of its comments or recommendations as required by Ordinance.

10. The applicant may be required to submit revised plans, reports, or materials to address review agency comments. The procedures for submittal of revised plans are as follows:

    - A cover letter addressing all comments received to date is required.
    - "Highlight" the area of change on the drawings and provide a notation describing the change.
    - Revised plans/materials are required. Planning staff should be contacted to determine the number of sets needed.
    - All revised plans and materials must also be provided in an electronic format that contains pdf files of the revised information.

11. The Planning Board reviews the EAF to determine whether a Draft Environmental Impact Statement (DEIS) is required. The petitioner will be advised in the event that a DEIS is required and afforded the opportunity to prepare it. If the petitioner declines, the Planning Board will prepare the DEIS at the petitioner's expense. The public hearing will be held on the DEIS concurrently with the Planning Board hearing on the application.

12. Planning Board Meeting Procedures:

    The applicant or representative presents the project at the public hearing before the Planning Board and is available to answer any questions. The Planning Board may take any of the following actions:

    - Adjourn the hearing to a future Planning Board meeting (hearing remains open).
    - Close the hearing and adjourn action on the site plan to a future Planning Board meeting. (The Planning Board may remove the item from the agenda until such time as all required information is provided.)
    - Close the hearing and make a decision on the site plan.

    All determinations on matters before the Planning Board are made after all public hearings on that meeting's agenda are completed.

Attachment: SP-1994-18_B_application_032025 (29950 : SP-1994-18B, 1880 Eggert Road)

13. A copy of the Planning Board's determination will be provided to the applicant, his / her representative, the Building Commissioner and the Town Clerk approximately 1 week following the Planning Board meeting at which it was heard.

14. If the Planning Board approves a Site Plan with conditions, the Planning Department will work with the applicant to ensure that all conditions of the approval are satisfactorily addressed. When all conditions are satisfied, the applicant submits **seven (7) final copies** of the complete set of all site plan drawings, folded into 9" x 12". For site plans in the Mixed-Use zoning districts, building elevations will also be required.

    All 7 sets must have original wet seals and include the required 4 in. x 6 in area in the lower right hand corner for official Town use. These drawings will be stamped and signed "Approved" by the Planning Director and transmitted to Town Departments for their files and use.

15. A building permit will not be issued by the Building Department until the stamped and signed Site Plan is issued by the Planning Director.

NOTE: Please check with the Planning Department to determine the deadline date for filing applications. Due to the public hearing notice requirements and department reviews, no site plan application will be placed on the Planning Board agenda after the deadline for filing has closed. Scheduling may be delayed if an application is incomplete.

Attachment: SP-1994-18_B_application_032025 (29950 : SP-1994-18B, 1880 Eggert Road)

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: Eggertsville Hose Co.

Address: 1880 Eggert Road

Amherst (city) New York (state) 14226 (zip code)

Phone: (716) 836-8942 Fax: (716) 836-8976

E Mail: toainfo@amherst.ny.us

Attachment: SP-1994-18_B_application_032025 (29950 : SP-1994-18B, 1880 Eggert Road)

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

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

Name: Ronald Michael Trigilio

Address: 2448 Delaware Avenue

Buffalo (city) New York (state) 14216 (zip code)

Phone: (716) 856-9131 Fax:

E Mail: rtrigilio.rmtarchitects@gmail.com

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

Address: 1880 Eggert Road

Amherst, New York 14226

SBL No(s): 67.49-2-3-.11

Project Name: Eggertsville Hose Site Improvements & Additions

Project Description: New 499 square foot 1-story Antique Fire Truck Addition, new 728 square foot 1-story Acessory Building Addition, new 3,040 square foot 1-story Storage Building Addition, new covered patio, new accessible parking and ramps, minor site re-grading, drainage, utilities, and landscaping.

Attachment: SP-1994-18_B_application_032025 (29950 : SP-1994-18B, 1880 Eggert Road)

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 19,204 square foot fire hall shall have a new 499 square foor addition (Antique Fire Hall Museum).

Existing 1,173 square foot rear accessory building shall have a new 728 square foot addition.

New 3,040 square foot stoage building shall be added in rear of site.

There are 82 existing parking spaces. There are 81 proposed parking spaces. A new accessible parking space with striped aisle shall be added.

	existing	proposed	total
Gross Floor Area (non-residential):	20,377 sq. ft.	4,267 sq. ft.	24,644 sq. ft.
Gross Floor Area Residential:	0	0	0
Number of Residential Units:	0	0	0
Number of Parking Spaces:	82	-1	81

Acreage of Parcel: 3.69 acres

(list each parcel separately)

Frontage on Public Roads: 370'-8"

(list each road separately)

Existing Zoning District(s) CF - Community Facilities

Current Planning/Application Forms 2019/Major Site Plan Application Form 2019
REVISED February 2021

Attachment: SP-1994-18_B_application_032025 (29950 : SP-1994-18B, 1880 Eggert Road)

Site Plan Submittal Requirements and Checklist

The following checklist outlines the information required by the Planning Department to accept a Site Plan application for review. ***It is strongly recommended that you make an appointment with Planning Staff to determine which items apply to your application***.

Item No.	Item	Submitted	Official use
I Basic Drawing Information			
1.0	**Drawing size not to exceed 24" x 36"**	X	
2.0	**Title of Drawing**	X	
3.0	**Name and address of Applicant**	X	
4.0	**Name of person preparing drawing**	X	
5.0	**Wet seal/raised seal and signature of NYS licensed architect, engineer, landscape architect, or surveyor (as applicable)**	X	
6.0	**Project address**	X	
7.0	**Zoning of subject property and adjacent parcels**	X	
8.0	**North point, scale, date, and revision date(s)**	X	
9.0	**4" x 6" reserved area in lower right hand corner for official Town use**	X	
II Structures, Paved Areas, & Open Space			
1.0	**Existing and Proposed Streets**	X	
1.1	Names of all existing and proposed streets	X	
1.2	Width and radii of proposed curb-cuts	N/A	
1.3	Existing curb-cuts on adjacent and opposite properties	N/A	
1.4	Show ROW width, pavement dimensions, lane widths, pavement markings, and proposed signage on proposed streets	N/A	
1.5	Show proposed ROW consistent with planned NYSDOT, Erie County, or Town road projects (if applicable)	N/A	
1.6	Show location of proposed cross access to adjacent parcels along with a draft easement	N/A	
1.7	Designation of Fire Lanes (if applicable)	X	
1.8	Fire apparatus access roads	X	
1.9	Label any proposed roads as public or private	N/A	
1.10	Location and dimensions of sidewalks	X	
1.11	Typical cross sections and profiles of proposed streets, pedestrian walkways, and bikeways	N/A	
2.0	**Proposed Structures**	X	
2.1	Location and complete dimensions of proposed structures	X	
2.2	Setback dimensions of structure(s) to all property lines	X	
2.3	Proposed use of structures	X	
2.4	Gross square feet area of each structure	X	
2.5	Location of all building entrances	X	
2.6	Indicate type of roof construction/materials	X	
2.7	Location, height, and design detail of existing and proposed fences and walls	X	
2.8	Location of light standards and building mounted lights	X	
2.9	Location of dumpster and detail of dumpster enclosure with gate	N/A	
2.10	Layout and dimensions of the lot(s) proposed for development	N/A	

Attachment: SP-1994-18_B_application_032025 (29950 : SP-1994-18B, 1880 Eggert Road)

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

Item No.	Item	Submitted	Official use
II Structures, Paved Areas, & Open Space (cont'd)			
3.0	**Floor Plans with individual rooms and spaces labeled** (fully dimensioned)	X	
4.0	**Building elevations with height dimensions from finished grade to the highest point of the roof and to midpoint of gable or hip of a pitched roof.** (fully dimensioned)	X	
4.1	Show screening of mechanical equipment	X	
5.0	**Parking/Loading/Stacking Areas**	X	
5.1	Location and complete dimensions of all paved areas	X	
5.2	Setback dimensions of all paved areas to property lines	X	
5.3	Dimension of typical parking space and drive aisles	X	
5.4	Location and layout of handicapped parking spaces & access aisles	X	
5.5	Detail of vertical signage for handicapped parking and access aisles	X	
5.6	Indicate minimum parking requirement & number of spaces provided	X	
5.7	Proposed signage for directing and guiding traffic	N/A	
5.8	Curb cut permits from NYS, Erie County, or Town (if applicable)	N/A	
5.9	Pedestrian connections (from proposed structures to public sidewalk network)	X	
6.0	**Location and proposed development of all open spaces, including parks, playgrounds, and open reservations**	X	
III Utilities and Drainage			
1.0	**Engineers Report** (bound separately from the Stormwater Pollution Prevention Plan [SWPPP])	X	
1.1	Stamped/sealed and signed by NYS licensed architect or professional engineer	X	
1.2	Proposed water service sizing, RPZ pressure and fire safety flow and pressure calculations	N/A	
1.3	Proposed sanitary sewer facility load calculations (avg. & peak flows) including calculation of the peaking factor	X	
1.4	Proposed storm drainage facility calculations (see information included with this application)	X	
2.0	**Grading Plan**	X	
2.1	Existing and proposed grades indicated (proposed grades may not exceed 1 on 3)	X	
3.0	**Water Service**	X	
3.1	Location, size and material of existing and proposed facilities	X	
3.2	Location of existing and proposed fire hydrant location(s)	X	
3.3	Indicate use of sprinklers, location of Fire Department connection, and proposed fire protection systems	N/A	
3.4	Existing and proposed meter/RPZ size and location	N/A	
3.5	Applicable construction details	X	
4.0	**Sanitary Sewers**	X	
4.1	Locations, sizes, slopes, inverts, and materials of all existing and proposed facilities	X	

Attachment: SP-1994-18_B_application_032025 (29950 : SP-1994-18B, 1880 Eggert Road)

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

Item No.		Submitted	Official use
III Utilities and Drainage (cont'd)			
4.2	Applicable construction details	X	
4.3	Proposed water/oil/grease interceptor sizing calculations by a professional engineer (if applicable)	N/A	
5.0	**Storm Drainage**	X	
5.1	Locations, sizes, slopes, inverts, and materials of existing and proposed storm drainage facilities	X	
5.2	Connection of roof drains to proposed drainage system	X	
5.3	Applicable Town Standard construction details	N/A	
5.4	Existing and proposed swales and ditches	X	
5.5	Detention area cross-section and high-level elevations	X	
5.6	County and State approval for tie-in to existing sewers	N/A	
6.0	**Stormwater Pollution Prevention Plan (SWPPP) as applicable** (bound separately from the Engineer's Report) **See attached checklist.**	N/A	
7.0	**Natural Gas Service**	X	
8.0	**Location of transformers, generators and other mechanical equipment; include detail drawings (if applicable)**	X	
9.0	**Downstream Sanitary Capacity Analysis (DSCA) Report** (must be submitted if proposed average flows are greater than 2,500 gallons per day)	N/A	
9.1	The DSCA Report must include a detailed downstream sewer capacity analysis and the calculations of and commitment to (via Developer commitment letter) the required financial contribution to the Town's I/I mitigation fund based on peak flow conditions. The contribution must be based on $250 per gallon per minute of mitigated flow	N/A	
IV Lighting Plan			
1.0	**Photometric plan showing light spread in foot candles at property lines**	X	
1.1	Detail of all light standards, including dimension of height from finished grade	X	
1.2	Detail of all exterior lighting fixtures	X	
V Landscape Plan			
1.0	**Wet/raised seal and signature of a licensed Landscape Architect**	X	
2.0	**Provide a calculation of the total Parking area and a calculation of interior parking area in square feet and as a percentage**	N/A	
3.0	**Indicate location, size, number and type of proposed landscape materials**	X	
4.0	**Indicate location, type and size of <u>all</u> existing trees 4" caliper or larger and indicate which will be removed or retained**	X	
VI Other Required Information/General Requirements			
1.0	**Complete boundary survey that includes all existing structures, acreage, legal description with reference to a property line, street, or other known feature, and easements plotted to scale by a NYS licensed land surveyor**	X	

Attachment: SP-1994-18_B_application_032025 (29950 : SP-1994-18B, 1880 Eggert Road)

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

Item No.		Submitted	Official Use
VI Other Required Information/General Requirements (cont'd)			
1.1	Copies of all easements, reciprocal access agreement or similar leag documents	X	
2.0	**Topographic Survey with a 30 ft. buffer outside all property lines by a NYS licensed land surveyor**	X	
3.0	**Draft of any deed restrictions, covenants, provisions for home associations and common ownership, and reciprocal easement agreements (as applicable).**	N/A	
4.0	**For assessment purposes, state intent to apply for condominium status (if applicable).**	N/A	
5.0	**Completed and signed Environmental Assessment Form**	X	
5.1	Soil boring report and geotechnical report prepared by a qualified Professional Engineer (if applicable)	N/A	
5.2	Traffic Impact Study (if applicable)	N/A	
5.3	Archaeological survey (if applicable	N/A	
5.4	Wetland Delineation report (if applicable)	N/A	
6.0	**Show existing zoning(s) of both the subject property and adjacent parcels on the Site Plan and the Landscape Plan**	N/A	
7.0	**Location of NYSDEC wetlands (including buffer area) and/or federal wetlands; indicate jurisdictional status**	N/A	
8.0	**Location of Floodway and floodplain** (if applicable)	N/A	
9.0	**Documentation pertaining to any conditions of zonings, including copies of required deed restrictions; indicate date of rezoning and the parcel address under which it was rezoned (if applicable)**	N/A	
10.0	**Documentation related to any required variances granted by the ZBA**	X	
11.0	**For residential site plans, provide a statement from the appropriate school district that adequate school sites and facilities are available.**	X	
12.0	**8 1/2" X 11" reduction of primary site plan drawing (see appendix "B" of application package for specifications)**	X	
13.0	**A CD containing a PDF of all site plan drawings (Must also be provided with revised drawings)**	X	
VII Additional Required Information for Projects in the Mixed Use Districts			
1.0	**Design Advisory Board Application**	N/A	
1.1	Required for Major Site Plan	N/A	
1.2	Required at the Planning Directors Discretion for Minor Site Plans	N/A	
2.0	**Block & Street Network Plan**	N/A	
2.1	Designation of Core, Local & Alley streets	N/A	
2.2	Dimensions of Blocks	N/A	
3.0	**Block Usage Plan (as applicable)**	N/A	
3.1	Designation of site usage for each block including open space areas	N/A	
4.0	**Phasing Plan**	X	

Attachment: SP-1994-18_B_application_032025 (29950 : SP-1994-18B, 1880 Eggert Road)

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

For official use only:

_____
Approved/Date

X:\Current_Planning\Application Forms 2013 Working Doc\Major Site Plan\Site Plan Submittal Requirements and Checklist (3).doc

Attachment: SP-1994-18_B_applicatiion_032025 (29950 : SP-1994-18B, 1880 Eggert Road)

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

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
Ut - Urban Land Odessa	Severe	Severe	Severe	Severe	Severe
Uu - Urban Land Schoharie	Severe	Severe	Severe	Severe	Severe

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:
   3.69 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 0 additional
   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:
   400 GPD average flow 1,778 GPD 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-1994-18_B_application_032025 (29950 : SP-1994-18B, 1880 Eggert Road)

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: Eggertsville Hose Site Improvements & Additions		
Project Location (describe, and attach a general location map): 1880 Eggert Road, Amherst, NY 14226		
Brief Description of Proposed Action (include purpose or need): New 499 square foot 1-story Antique Fire Truck Addition, new 728 square foot 1-story Acessory Building Addition, new 3,040 square foot 1-story Storage Building Addition, new covered patio, new accessible parking and ramps, minor site re-grading, drainage, utilities, and landscaping.		
Name of Applicant/Sponsor: Ronald Michael Trigilio	Telephone: (716) 856-9131 E-Mail: rtrigilio.rmtarchitects@gmail.com	
Address: 2448 Delaware Avenue		
City/PO: Buffalo	State: NY	Zip Code: 14216
Project Contact (if not same as sponsor; give name and title/role): Andrew Terragnoli - Studio T3 Engineering, PLLC	Telephone: (716) 803-6400 x101 E-Mail: anderw@studiot3engineering.com	
Address: 2495 Main Street, Suite 301		
City/PO: Buffalo	State: NY	Zip Code: 14214
Property Owner (if not same as sponsor): Eggertsville Hose Co.	Telephone: (716) 836-8942 E-Mail: toainfo@amherst.ny.us	
Address: 1880 Eggert Road		
City/PO: Amherst	State: NY	Zip Code:14226

Attachment: SP-1994-18_B_application_032025 (29950 : SP-1994-18B, 1880 Eggert 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		
b. City, Town or Village Planning Board or Commission ☑Yes ☐No	Town of Amherst Planning Board (Site Plan / SEQR Neg Dec.)	1/21/25
c. City, Town or Village Zoning Board of Appeals ☐Yes ☑No		
d. Other local agencies ☐Yes ☑No		
e. County agencies ☐Yes ☑No		
f. Regional agencies ☐Yes ☑No		
g. State agencies ☐Yes ☑No		
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):

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-1994-18_B_application_032025 (29950 : SP-1994-18B, 1880 Eggert 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?
CF - Community Facilities

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? Sweet Home

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?
Eggertsville Hose Co.

d. What parks serve the project site?
Amherst State Park, Ellicott Creek Park, Grover Cleveland Park, Eggertsville Community Park, Dellwood Park

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)? Commercial

b. a. Total acreage of the site of the proposed action? 3.69 acres
b. Total acreage to be physically disturbed? 0.25 acres
c. Total acreage (project site and any contiguous properties) owned or controlled by the applicant or project sponsor? 3.69 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)? % 21% Units: 0

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: _____ months
ii. If Yes:
- Total number of phases anticipated 3
- Anticipated commencement date of phase 1 (including demolition) 5 month 2025 year
- Anticipated completion date of final phase 5 month 2027 year
- Generally describe connections or relationships among phases, including any contingencies where progress of one phase may determine timing or duration of future phases:

None

Attachment: SP-1994-18_B_application_032025 (29950 : SP-1994-18B, 1880 Eggert Road)

1.a

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 3

ii. Dimensions (in feet) of largest proposed structure: 18'-0" height; 38'-0" width; and 80'-0" length

iii. Approximate extent of building space to be heated or cooled: 4,267 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 detetnion

ii. If a water impoundment, the principal source of the water: ☐ Ground water ☐ Surface water streams ☐ Other specify:

iii. If other than water, identify the type of impounded/contained liquids and their source.

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):

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):

Attachment: SP-1994-18_B_application_032025 (29950 : SP-1994-18B, 1880 Eggert 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: 400 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: 400 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: Sewer District #1/#16
- 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-1994-18_B_application_032025 (29950 : SP-1994-18B, 1880 Eggert 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: SP-1994-18_B_application_032025 (29950 : SP-1994-18B, 1880 Eggert 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: _____

19,800 kW hours per year

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

grid / local utility

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: 8:00 AM - 5:00 PM
- Saturday: _____
- Sunday: _____
- Holidays: _____

ii. During Operations:

- Monday - Friday: 24/7/365
- Saturday: 24/7/365
- Sunday: 24/7/365
- Holidays: 24/7/365

Attachment: SP-1994-18_B_application_032025 (29950 : SP-1994-18B, 1880 Eggert 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:

_____

_____

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:

See enclosed Building Elevations and Lighting Photometric Plan

_____

_____

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-1994-18_B_application_032025 (29950 : SP-1994-18B, 1880 Eggert 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:

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	1.88	2.03	+0.15
• Forested	0	0	0
• Meadows, grasslands or brushlands (non-agricultural, including abandoned agricultural)	0	0	0
• 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	0	0
• Non-vegetated (bare rock, earth or fill)	0	0	0
• Other Describe: Landscape (green space)	1.81	1.66	-0.15

Attachment: SP-1994-18_B_application_032025 (29950 : SP-1994-18B, 1880 Eggert 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:
Elderwood Senior Care

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): C915292

iv. If yes to (i), (ii) or (iii) above, describe current status of site(s):
Contamination is remediated. Contaminated site is located outside of project boundaries.

Attachment: SP-1994-18_B_application_032025 (29950 : SP-1994-18B, 1880 Eggert 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? +20 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:

Ut - Urban Land Odessa Complex	98 %
Uu - Urban Land Schoharie Complex	2 %
	%

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 _____ Classification _____
- Lakes or Ponds: Name _____ Classification _____
- Wetlands: Name _____ Approximate Size _____
- 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: _____

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: _____

1.a

Attachment: SP-1994-18_B_application_032025 (29950 : SP-1994-18B, 1880 Eggert Road)

Packet Pg. 31

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-1994-18_B_application_032025 (29950 : SP-1994-18B, 1880 Eggert Road)

1.a

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

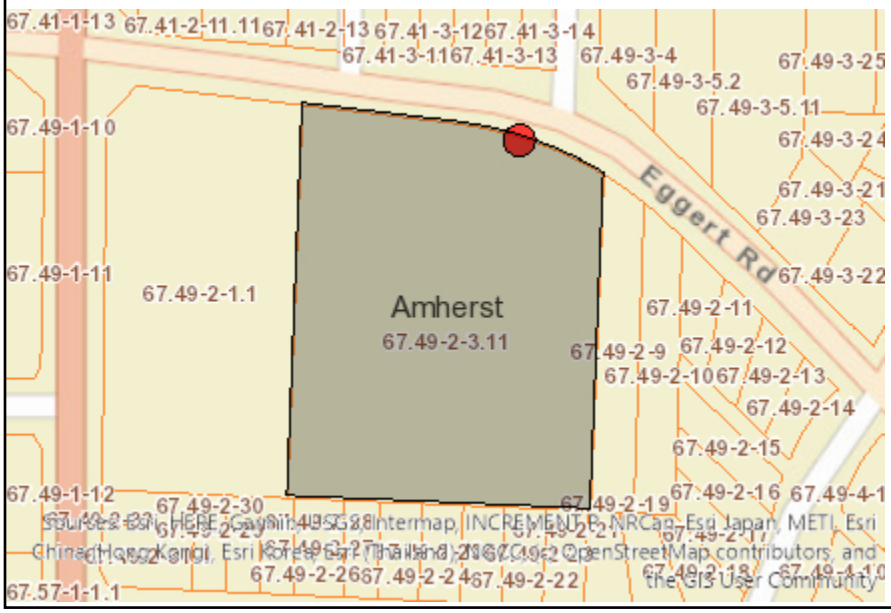
I certify that the information provided is true to the best of my knowledge.

Applicant/Sponsor Name Ronald Michael Trigilio Date 1/19/25

Signature _____ Title Architect

Attachment: SP-1994-18_B_application_032025 (29950 : SP-1994-18B, 1880 Eggert Road)

PRINT FORM



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]	Yes
E.1.h.iii [Within 2,000' of DEC Remediation Site - DEC ID]	C915292
E.2.g [Unique Geologic Features]	No
E.2.h.i [Surface Water Features]	No
E.2.h.ii [Surface Water Features]	No
E.2.h.iii [Surface Water Features]	No
E.2.h.v [Impaired Water Bodies]	No
E.2.i. [Floodway]	No
E.2.j. [100 Year Floodplain]	No
E.2.k. [500 Year Floodplain]	No
E.2.l. [Aquifers]	No
E.2.n. [Natural Communities]	No

Attachment: SP-1994-18_B_application_032025 (29950 : SP-1994-18B, 1880 Eggert Road)

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

1.a

Attachment: SP-1994-18_B_application_032025 (29950 : SP-1994-18B, 1880 Eggert Road)

DESIGN REPORT FOR SANITARY SEWER SERVICE

For:

EGGERTSVILLE HOSE COMPANY
EXTERIOR SITE IMPROVEMENTS
1880 Eggert Road
Amherst, New York 14226
Project No. 23-194A

January 13, 2025

Prepared for:

Ronald Trigilio, Architect
2448 Delaware Avenue
Buffalo, New York 14216

studio T3
2495 Main Street, Suite 301
Buffalo, NY 14214
phone: (716) 803-6400
fax: (716) 810-9504

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WARNING: IT IS A VIOLATION OF SECTION 7209, SUBDIVISION 2, OF THE NEW YORK STATE EDUCATION LAW FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED ARCHITECT OR PROFESSIONAL ENGINEER, TO ALTER IN ANY WAY, PLANS, SPECIFICATIONS, OR REPORTS TO WHICH THE SEAL OF A LICENSED ARCHITECT OR PROFESSIONAL ENGINEER HAS BEEN APPLIED

Attachment: SP-1994-18_B_application_032025 (29950 : SP-1994-18B, 1880 Eggert Road)

TABLE OF CONTENTS

PROPOSED DEVELOPMENT ---------- PG. 1

LOCATION MAP---------- PG. 3

SITE UTILITY PLAN ----------PG. 4

GRINDER PUMP & FORCE MAIN SPECIFICATIONS---------PG. 5

Attachment: SP-1994-18_B_applicatiion_032025 (29950 : SP-1994-18B, 1880 Eggert Road)

Proposed Development:
The proposed development consists of a new 499 square foot 1-story antique fire truck addition (Phase 1), several accessibility additions (Phase 1), a new 728 square foot 1-story accessory building addition (Phase 2), and new 3,040 square foot storage building (Phase 3 to the existing Eggertsville Hose Fire Hall). Minor site re-grading, utility connections, drainage structures, landscaping, and temporary and permanent erosion control devices shall also be added. The parcel is zoned "CF" (Community Facilities) and is located on the southern side of Eggert Road between Bailey Avenue and Rosedale Boulevard in the Town of Amherst, New York (see Site Location Map below). This design report is intended to be submitted with Site Plan drawings entitled" Exterior Site Improvements" as prepared by Studio T3 Engineering, PLLC.

The proposed site utility plan (see page 3) shows a new private sanitary sewer servicing the new building. These have been designed in order to:

- Efficiently collect sewage and wastewater from the new facility and safely discharge it to an existing sewer conveyance system with adequate downstream capacity
- Eliminate the potential of inflow and infiltration to the sanitary sewer system

Sanitary Sewer:
The new storage building in the rear of the site shall have a restroom that shall be serviced by 20 linear feet of new 4" diameter PVC (SDR-35) gravity sanitary lateral, a new E/One grinder pump, and 600 linear feet of new 1-¼" diameter PVC (SDR 21) force main. The new force main shall discharge into an existing 6" diameter PVC sanitary lateral within the private property. The existing lateral discharges to the existing sanitary sewer within the adjacent Eggert Road right-of-way. Wastewater shall be conveyed to the Town of Amherst Wastewater Treatment Plant in Amherst, New York.
The proposed sanitary sewer lateral and force main were designed, and shall be installed, in conformance with:

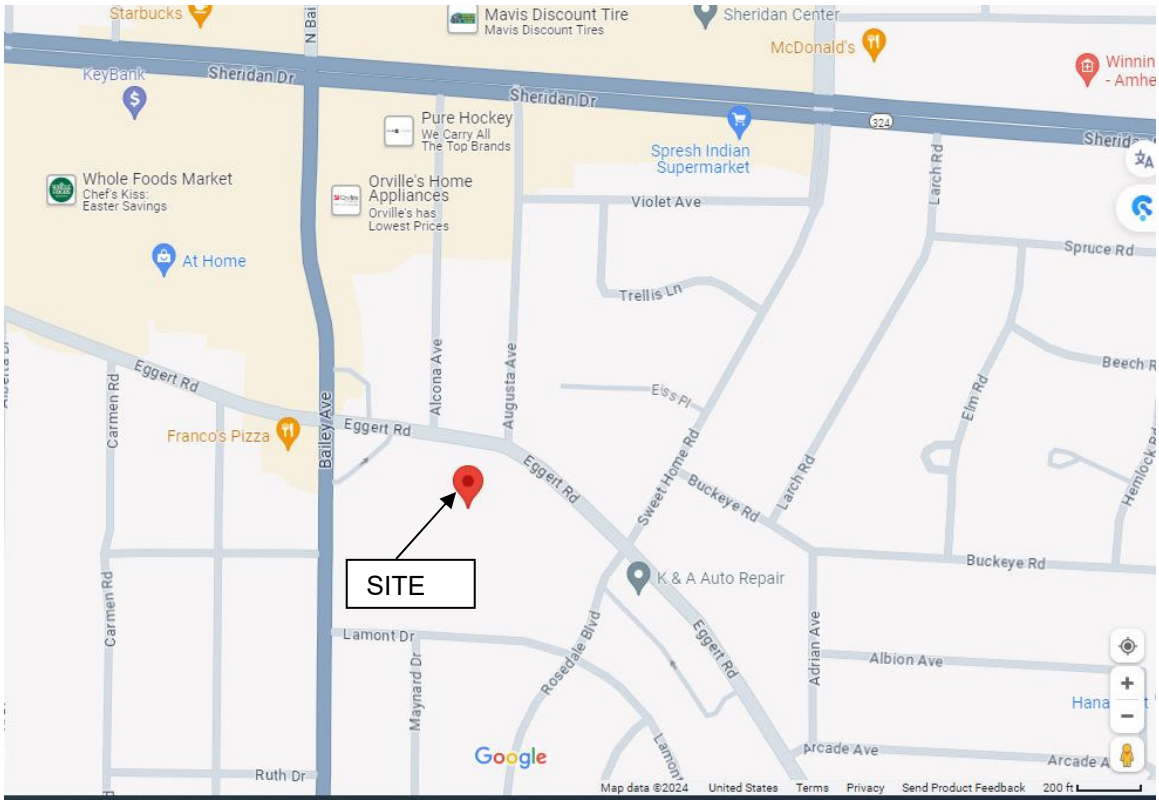
- Ten-State and Erie County Sewer District design standards
- Town of Amherst Engineering Department specifications
- New York State Department of Health and Erie County Health Department design codes
- New York State Department of Environmental Conservation standards

Design calculations are as follows:

- Total # of employees in storage area = 4
- Average sewer load = 100 GPD/Employee x 4 Employees = 400 GPD = 0.3 GPM
- Max. capacity of new 4" diameter PVC sewer lateral @ 2.00% slope = 189,950 GPD = 132 GPM
- Max. capacity of 1-¼" diameter PVC force main = 20,160 GPD = 14 GPM

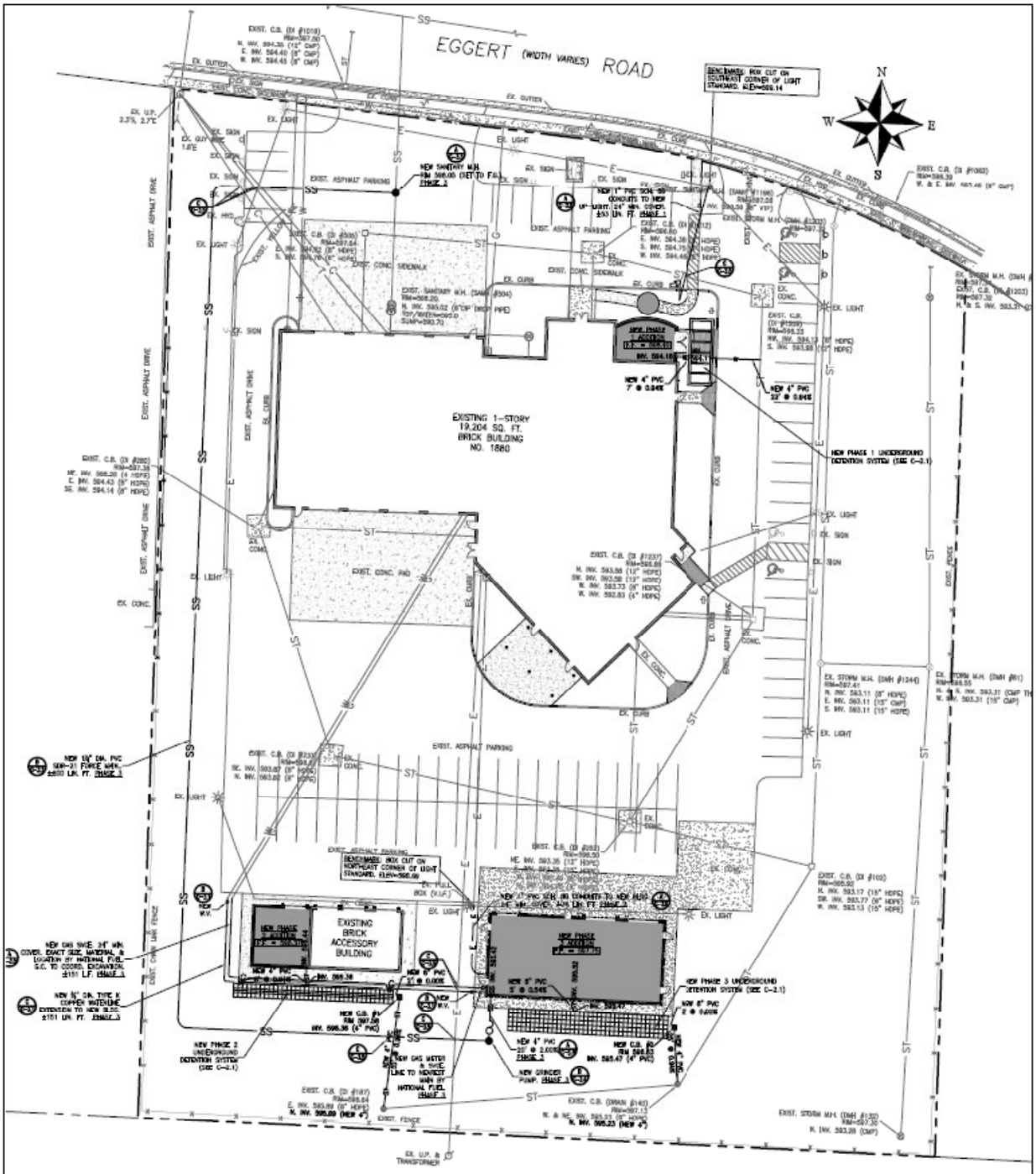
The new sanitary sewer lateral and force main shall be privately owned and maintained. The Town of Amherst Engineering Department shall review and approve all plans and the above calculations for permit. The contractor/plumber shall obtain all necessary permits from the Town of Amherst Building and Plumbing Department prior to the start of installation or construction for specific instructions and procedures regarding permits, applications, and fees.

Attachment: SP-1994-18_B_application_032025 (29950 : SP-1994-18B, 1880 Eggert Road)



SITE LOCATION MAP

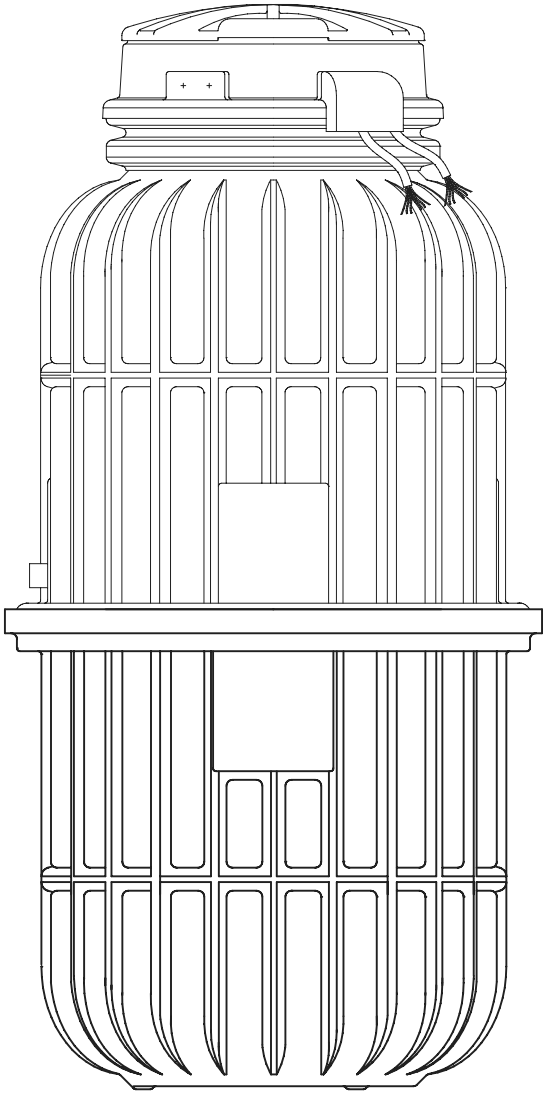
Attachment: SP-1994-18_B_application_032025 (29950 : SP-1994-18B, 1880 Eggert Road)



studio T3 Engineering, PLLC 2495 Main Street, Suite 301 Buffalo, New York 14214 Phone: (716) 803-6400 Fax: (716) 810-9504	SKETCH NAME: SITE UTILITY PLAN JOB NAME: EGGERTSVILLE HOSE CO.				SKETCH NO: C-3.0
	JOB NO. 23-194A	SCALE: 1" = 60'	DATE: 1/19/25	DRAWN BY: AVT	REVISED BY: AVT

Attachment: SP-1994-18_B_applicatiion_032025 (29950 : SP-1994-18B, 1880 Eggert Road)

E/ONE EXTREME SERIES



DH152

Typical Installation Instructions & Warranty Information

Duplex Station
150-Gal. Capacity

Attachment: SP-1994-18_B_applicatiion_032025 (29950 : SP-1994-18B, 1880 Eggert Road)

Environment One Grinder Pump Feature Identification

1. GRINDER PUMP BASIN – Polyethylene

2. ACCESSWAY COVER – HDPE

3. ELECTRICAL QUICK DISCONNECT (EQD) – Cable from pump core terminates here.

4. POWER AND ALARM CABLE – Circuits to be installed in accordance with local codes.

5. ALARM PANEL – NEMA 4X enclosure. Equipped with circuit breakers. Locate according to local codes.

6. ALARM DEVICE – Every installation is to have an alarm device to alert the homeowner of a potential malfunction. Visual devices should be placed in very conspicuous locations.

7. INLET – EPDM grommet (4.5” ID). For 4.5” OD DWV pipe.

8. WET WELL VENT – 2.0” tank vent, supplied by factory in units with accessways.

9. GRAVITY SERVICE LINE – 4” DWV, (4.5” OD). Supplied by others.

9a. STUB-OUT – 4” X 5’ Long **watertight** stub-out, to be installed at time of burial unless the gravity service line is connected during installation. Supplied by others.

10. DISCHARGE VALVE – 1-1/4” Female pipe thread.

11. DISCHARGE LINE – 1-1/4” Nominal pipe size. Supplied by others.

12. CONCRETE ANCHOR – See Ballast Calculations for specific weight for your station height. Supplied by others.

13. BEDDING MATERIAL – 6” minimum depth, round aggregate (gravel). Supplied by others.

14. FINISHED GRADE – Grade line to be 1 to 4 inches below removable lid and slope away from the station.

15. VENT – Indoor installation. See section 6, Venting, on page 6.

16. VALVE – Full ported ball valve. Recommended option, for use during service operations. Supplied by others.

17. CONDUIT – 1” or 1-1/4”, material and burial depth as required per national and local codes. Conduit must enter panel from bottom and be sealed per NEC section 300.5 & 300.7. Supplied by others.

18. UNION – 1-1/4” or compression type coupling. Supplied by others. (Do not use rubber sleeve and hose clamp type coupling.)

19. VALVE – Ball valve, must provide a full-ported 1-1/4” round passage when open. Supplied by others.

20. REBAR – Required to lift tank after ballast (concrete anchor) has been attached, 4 places, evenly spaced around tank.

Attachment: SP-1994-18_B_application_032025 (29950 : SP-1994-18B, 1880 Eggert Road)

Figure 1a

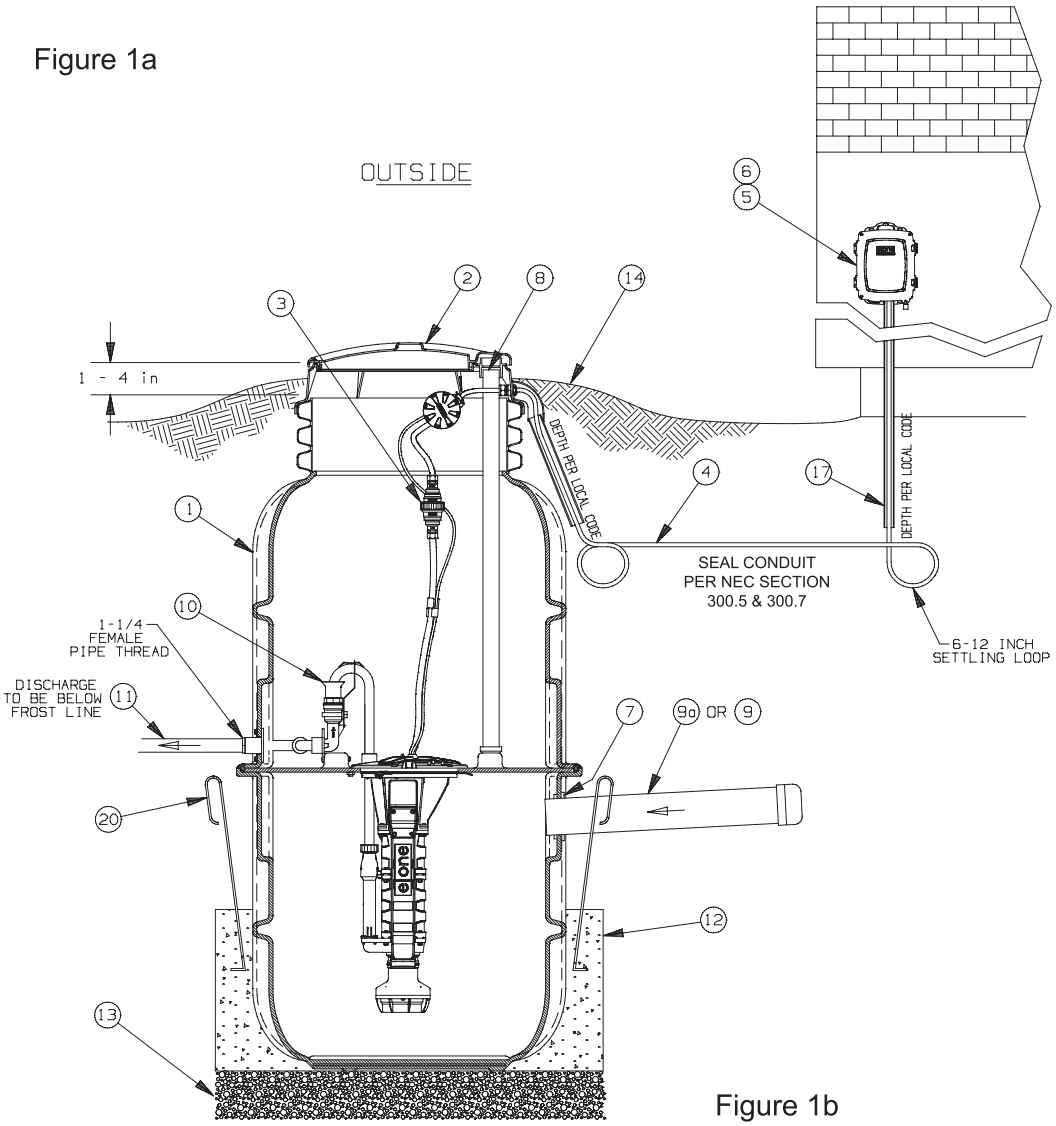
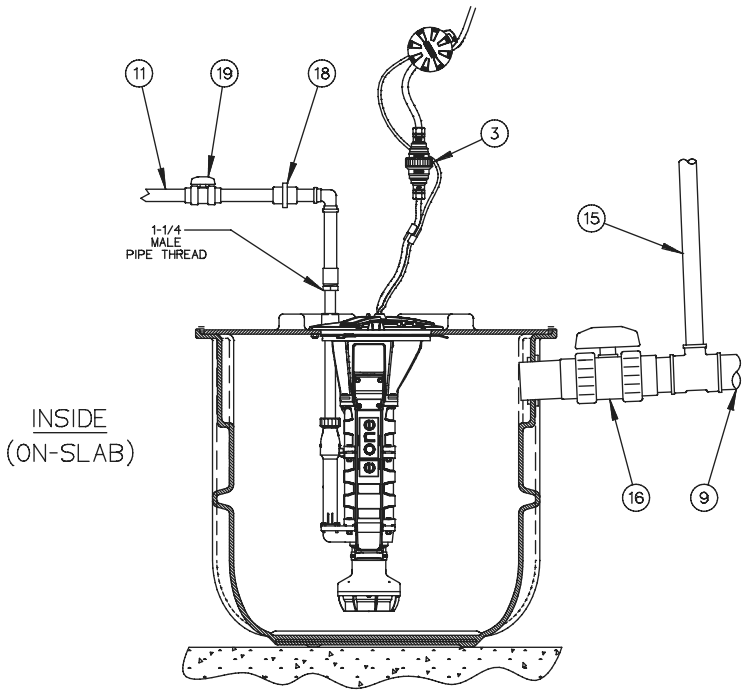


Figure 1b



FAILURE TO COMPLY WITH INSTALLATION INSTRUCTIONS WILL VOID WARRANTY

Attachment: SP-1994-18_B_application_032025 (29950 : SP-1994-18B, 1880 Eggert Road)

The Environment One grinder pump is a well-engineered, reliable and proven product; proper installation will assure years of trouble-free service. The following instructions define the recommended procedure for installing the grinder pump station. These instructions cover the installation of units with and without accessways.

This is a sewage handling pump and must be vented in accordance with local plumbing codes. This pump is not to be installed in locations classified as hazardous in accordance with National Electric Code, ANSI / NFPA 70. All piping and electrical systems must be in compliance with applicable local and state codes.

1. REMOVE PACKING MATERIAL: The User Instructions must be given to the homeowner. Hardware supplied with the unit, if any, will be used at installation.

2. TANK INSTALLATION:

Lift the station using only the methods described on page 9, Lifting Instructions. The tank is supplied with a standard grommet for connecting the 4” DWV (4.50” outside dia.) incoming sewer drain. Other inlet types and sizes are optional (Caution: 4” DR-35 pipe has a smaller diameter and won’t create a watertight joint with the standard grommet). Please confirm that you have the correct inlet before continuing. If a concrete ballast is attached to the tank, lift only by the lifting eyes (rebar) embedded in the concrete. **Do not drop, roll, or lay tank on its side. This will damage the unit and void the warranty.**

• **If the tank has no accessway (Fig. 1b): (Indoor Installation):** The pump may be installed on or in the basement floor (see Fig. 1b). If the tank is to be set on the floor, it must be a flat and level bearing surface.

• **If the tank is to go in the floor:** A hole of the correct width and depth should be excavated. The tank must be placed on a 6” bed of gravel made up of naturally rounded aggregate, clean and free flowing, with particle size not less than 1/8” or more than 3/4” in diameter. The wetwell should be leveled and filled with water prior to pouring the concrete to prevent the tank from shifting. If it is necessary to pour the concrete to a level above the inlet, the inlet must be sleeved with an 8” tube before pouring.

If the tank is to go into the basement floor, it must be anchored to prevent unit from floating due to high ground water (see Chart 1, page 11 for weight).

There must be a minimum clearance of three feet directly above the tank to allow for removal of the pump.

• **If the tank has an accessway (Fig. 1a):** Excavate a hole to a depth, so that the removable cover extends above the finished grade line. The grade should slope away from the unit. The diameter of the hole must be large enough to allow for a concrete anchor. Place the unit on a bed of gravel, naturally rounded aggregate, clean and free flowing, with particles not less than 1/8” or more than 3/4” in diameter. The concrete anchor is not optional. (See Chart 1 on page 11 for specific requirements for your unit.)

The unit should be leveled and the wetwell filled with water to the bottom of the inlet to help prevent the unit from shifting while the concrete is being poured. The concrete must be vibrated to ensure there are no voids.

If it is necessary to pour the concrete to a higher level then the inlet, the inlet must be sleeved with an 8” tube before pouring.

If your unit is a model taller than 93” it may be shipped in two sections, requiring field assembly. See Field Joint Assembly Instructions on page 8 for additional information.

3. INLET PIPE INSTALLATION: Mark the inlet pipe 3-1/2” from the end to be inserted. Inlet pipe should be chamfered and lubricated with a soap solution. Lubricate the inlet grommet with soap solution as well. Insert the pipe into the grommet up to the 3-1/2” mark. Inspect to ensure the grommet has remained intact and in place.

4. DISCHARGE: The use of 1-1/4” PVC pressure pipe Schedule 40 and polyethylene pipe SDR 11 or SIDR 7 are recommended. If polyethylene is chosen, use compression type fittings to provide a smooth inner passage. E/One requires that an E/One Uni-Lateral assembly (E/One part number NB0184PXX or NC0193GXX) or E/One Redundant Check Valve (E/One part number PC0051GXX) be installed in the pipe lateral outside the home between the pump discharge and the street main on all installations. Never use a ball-type valve as a check

Attachment: SP-1994-18_B_application_032025 (29950 : SP-1994-18B, 1880 Eggert Road)

valve. E/One recommends the valve be installed as close to the public right-of-way as possible. Check local codes for applicable requirements.

CAUTION: *Redundant check valves on station laterals and anti-siphon/check valve assemblies on grinder pump cores should not be used as system isolation valves during line tests.*

• **If the tank has no accessway: (Indoor Installation)** The discharge connection is a 1-1/4" male NPT. The discharge piping must incorporate a shut-off valve and a union with a minimum pressure rating of 160 psi, or a suitable piping disconnect to allow for removal of the pump core. The valve should be of the type that provides a full-ported passage (i.e. a ball or gate valve). A standard 1-1/4" union or a compression type coupling should be used as a disconnect joint.

• **If the tank has an accessway:** There is a ball valve and a quick disconnect pre-installed in the accessway. There is a 1-1/4" female NPT discharge connection on the outside of the tank 43" above the bottom of the tank.

5. BACKFILL REQUIREMENTS: Proper backfill is essential to the long term reliability of any underground structure. Several methods of backfill are available to produce favorable results with different native soil conditions.

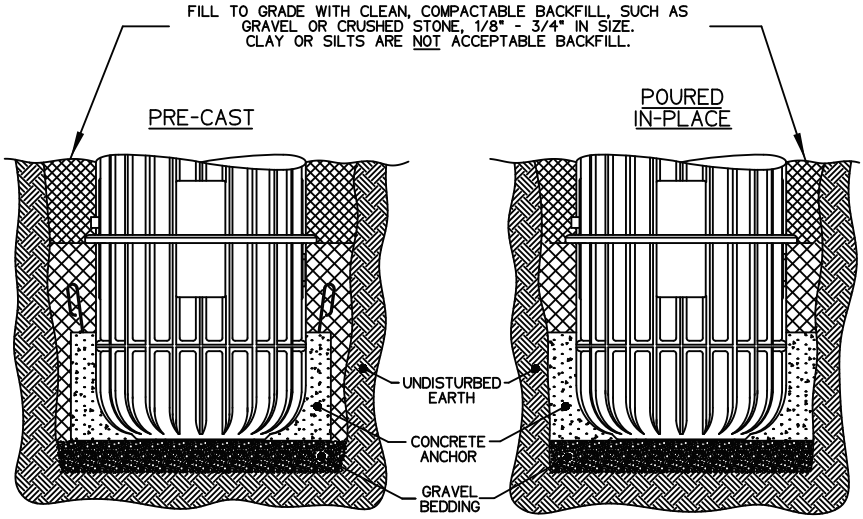
The recommended method of backfilling is to surround the unit to grade using Class I or Class II backfill material as defined in ASTM 2321. Class I, angular crushed stone, offers an added benefit in that it needs minimal compaction. Class II, naturally rounded stone, may require more compactive effort, or tamping, to achieve the proper density.

If the native soil condition consists of clean, compactible soil with less than 12% fines, free of ice, rocks, roots, and organic material, it may be an acceptable backfill. Such soil must be compacted in lifts not to exceed one foot to reach a final Proctor Density between 85% and 90%. Non-compactible clays and silts are **not** suitable backfill for this or any underground structure such as inlet or discharge lines. If you are unsure of the consistency of the native soil, it is recommended that a geotechnical evaluation of the material be obtained before specifying backfill.

Another option is the use of a flowable fill (i.e., low slump concrete). This is particularly attractive when installing grinder pump stations in augured holes where tight clearances make it difficult to assure proper backfilling and compaction with dry materials. Flowable fills should not be dropped with more than 4 feet between the discharge nozzle and the bottom of the hole because this can cause separation of the constituent materials.

6. VENTING: The unit must be properly vented to assure correct operation of the pump. If you have an indoor unit, it can be vented through the 2" port supplied at the top of the wetwell or through the

Figure 2



TYPICAL IN-GROUND SECTION VIEW

Attachment: SP-1994-18_B_application_032025 (29950 : SP-1994-18B, 1880 Eggert Road)

incoming sewer line with a 2" pipe (the vent must be within 4 feet of the grinder pump, and before the first change of direction fitting).

The outdoor units are supplied with a vent pipe from the wetwell to the top of the accessway. Failure to *properly vent* the tank will result in faulty operation and will void the warranty.

7. ELECTRICAL CONNECTION: (Supply panel to E/One Alarm Panel) Before proceeding, verify that the service voltage is the same as the motor voltage shown on the name plate. An alarm device is to be installed in a conspicuous location where it can be readily seen by the homeowner. An alarm device is required on every installation. There shall be no exceptions.

Wiring of supply panel and alarm panel shall be per alarm panel wiring diagrams included inside the Alarm Panel enclosure and in accordance with local codes. A dedicated 30 amp breaker is required before a 240V duplex alarm panel, and a dedicated 40 amp breaker is required before a 120V duplex alarm panel.

8. ELECTRICAL CONNECTION: (Pump to Panel) (Fig.3) The grinder pump station is provided with a cable for connection between the station and the alarm panel (supply cable). The supply cable is shipped inside the station with a small portion fed through the cable connector mounted on the wall of the HDPE shroud. The supply cable, a six conductor tray cable, meets NEC requirements for direct burial as long as a minimum of 24" burial depth is maintained. Those portions of the cable which have less than 24" of cover must be contained in suitable conduit. This includes the vertical portion dropping to a 24" depth at the station and the length rising out of the ground at the control panel. *NOTE: Wiring must be installed per national and local codes. Conduit must enter panel from bottom and be sealed per NEC section 300.5 & 300.7.*

8a. Installing E/One supply cable:

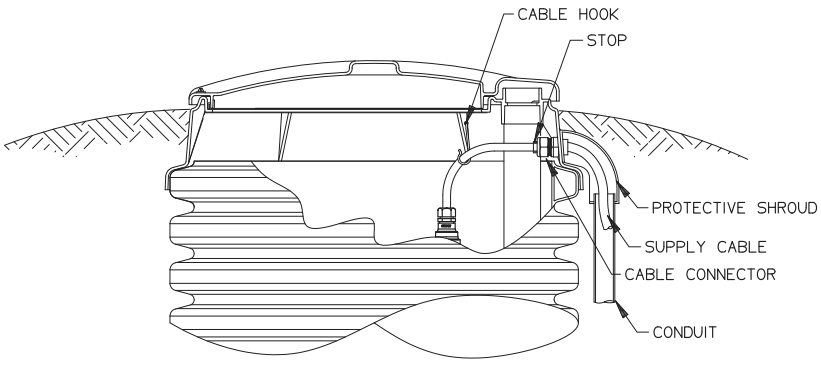
1) Open the lid of the station. Locate the cable and the feed-thru connector on the wall of the shroud. If the station has a field joint and was delivered in two pieces, be sure both halves of the EQD are securely assembled together. Loosen the nut on the connector and pull the supply cable out through the connector until it hits the crimped-on stop feature on the cable, approximately 24" from the EQD. ****IMPORTANT:** *All but 24" of the cable must be pulled out of the station, and the EQD and Equalizer should be hung as high in the station as possible to ensure that the pump functions properly. Do not leave the excess cable in the station.*

2) Retighten the nut. This connection must be tight or ground water will enter the station.

3) Feed the wire through the length of conduit (contractor provided), which will protect it until it is below the 24" burial depth.

4) Position the conduit vertically below the cable connector along side of the station reaching down into the burial depth. Attach the small guard (protective shroud) provided with the station to protect the exposed cable where it enters the station. Use the self-tapping screw provided to secure the shroud in place.

Figure 3



Power at the station must not drop below 10% of nameplate voltage. Maximum Recommended Length:
120 Volt 60' (min. voltage at pump — 108V)
240 Volt 150' (min. voltage at pump — 216V)
Consult factory for longer lengths

TYPICAL SUPPLY CABLE CONFIGURATION

Attachment: SP-1994-18_B_application_032025 (29950 : SP-1994-18B, 1880 Eggert Road)

5) Run the cable underground, in a trench or tunnel, to the location of the alarm panel. Leave a 6- to 12-inch loop of cable at each end to allow for shifting and settling. Connections made at the panel are shown in alarm panel wiring diagrams included inside the Alarm Panel enclosure.

9. DEBRIS REMOVAL: Prior to start-up test procedure, the core must be removed and the incoming sewer line flushed to force all miscellaneous debris into the tank. Next, all liquid and debris must be removed. Once tank is clean, reinstall the pump and proceed with the test.

10. TEST PROCEDURE: When the system is complete and ready for use, the following steps should be taken for each grinder pump in the station to verify proper pump and high-level alarm operation.

a)Make certain that all discharge shutoff valves are fully open (curb stops, slider valve, etc.). Valves must not be closed when the pump is operating.

b)Turn off the power at main power supply and panel. (Ignore all Trouble indications, LEDs and/or messages until the panel is reset at the end of this procedure.) Use an ohmmeter set at the 2-meg scale. Check the continuity between the following leads from the pump (tests should be performed with the pump and alarm breakers inside the panel OFF):

·Green/yellow (ground) to red (L1)

·Green/yellow (ground) to black (L2 or neutral)

·Green/yellow (ground) to brown (manual run)

·Brown (manual run) to yellow (alarm power feed)

All of these tests must read an open circuit. A short at any of these test points will cause premature pump failure if not corrected.

c)Turn on power at main power supply only.

d)Check voltage from the main power supply. The voltage must be 240 VAC (or 120 VAC for a 120V model) within 10 percent. Note the voltage.

e)Verify the panel wiring matches the wiring diagram located in the alarm panel enclosure. Then turn on the alarm power circuit breaker. Leave pump breaker off.

f)Fill the tank with water until the alarm turns on. This should occur when the water level reaches the top of the pump approximately. Then turn off the water.

g)Turn on the pump power circuit breaker. The pump should turn on within a few seconds.

h)Take a current (amperage) reading off the black lead (L2 or neutral) to the pump. The reading should be between 5 and 8 amps for 240 VAC service (10 to 16 amps for 120 VAC service). Higher amperage readings equal a higher discharge pressure. If the amperage is greater than 8 (16 for 120 VAC service) check the discharge line for a blockage. Note the amperage.

Within the first 1 to 3 minutes, the alarm will turn off. Within the following 1 to 2 minutes, the pump will turn off.

i)Clear/Reset the alarm panel:

·Sentry and T260 panels: Reset is not required.

·Protect Panel: Turn pump and alarm breakers off and back on simultaneously.

·Protect Plus Panels: Perform a “cold start” from the Initialize System menu. Any user settings that were previously chosen will not be reset.

If any Trouble or alarm conditions are indicated after the panel is reset, contact your local service provider.

j)Close and lock the alarm panel.

k)Inspect the lid gasket and fasten lid to tank.

Call your local E/One distributor if you experience any problems. Please have ready the unit serial number, voltage, amperage read during startup, type of application, and a description of the problem.

Attachment: SP-1994-18_B_application_032025 (29950 : SP-1994-18B, 1880 Eggert Road)

Field Joint Assembly Instructions

IT IS EXTREMELY IMPORTANT THAT THE JOINT IS SEALED PROPERLY BEFORE BACKFILLING. EXCAVATING A UNIT FOR REPAIR IS VERY EXPENSIVE AND CAN BE EASILY AVOIDED BY USING PROPER CAUTION DURING THE FOLLOWING PROCEDURE.

Parts included in Field Joint Kit: Identify all parts before proceeding with installation.

(16) 3/8-16 x 1-1/2 long screws
(16) 3/8-16 Elastic Stop Nuts
(32) Flat Washers
(1) Length Sealant (Sika) Tape
(1) Hole Punch
(1) Vent Pipe Extension

1) Carefully clean and dry both accessway flanges with solvent. **IMPORTANT: Sealing surfaces must be dry to ensure the sealant adheres correctly.**

2) Starting at one hole of tank flange, apply two layers of Sika Tape around the inside half of the flange. Align the outside edge of the tape with the bolt circle. Move to the adjacent hole and apply one layer of Sika Tape around the outside of the flange. Align inside of tape with the bolt circle. Remove the backing paper as you lay the adhesive on the flange. **Do not stretch Sika tape during application; it may result in a leak.** The tape should overlap at the end by approximately 1/2 inch, as shown in Fig. 4a. If a section of Sika Tape is misapplied, the bad section may be cut out and replaced. Cut away the poorly laid portion cleanly with a knife and be sure to over lap the tape at each end about 1/2 inch.

3) Using the tool provided, punch a hole through the tape at each of the 16 existing bolt holes in the flange. **Be careful to keep the exposed sealant clean and dry.**

4) Insert three of the sixteen 3/8-16 x 1-1/2” long bolts, with a flat washer, into the flange attached to the upper part of the accessway. These will act as guides while aligning the bolt pattern of the two flanges.

5) Support the upper accessway section a few inches over the tank, making sure to align the vent port in the lid with the vent pipe in the tank. Once aligned, lower the upper section onto the mating flange using the three bolts to guide it to the proper position. See Fig. 4b.

6) Insert the remaining 13 bolts with flat washers into the flanges. Place a flat washer and elastic stop nut on the end of each bolt, turning the nut on just enough to hold the washer in place.

7) Tighten the bolts until the sealant begins to squeeze out from between the flanges. To ensure a consistent, sturdy seal, tighten them in the following sequence: 1, 9; 5, 13; 3, 11; 7, 15; 2, 10; 4, 12; 6, 14; 8, 16. Always be sure to tighten one bolt and then the bolt at the position 180° from it; see Fig. 4a for position numbers.

8) Using the same sequence as in Step 7, tighten each bolt to 60 in-lbs. Visually inspect the joint, each bolt and each nut should have a flat washer between it and the flange, and a uniform amount of sealant should be protruding from the seam along the entire perimeter.

In the event that there are any voids in the sealant, the joint may leak. Take corrective actions if necessary and be sure that the joint is leak free before continuing.

9) In order to properly vent the station, apply PVC primer/cement (not provided) and assemble the included sections of vent pipe by using the provided 2” PVC couplings. After the pipe sections have been assembled, ensure that the bottom end of the pipe is secured in the lower vent grommet, then slide the top end of the pipe through the receptacle on the bottom of the lid.

Figure 4a

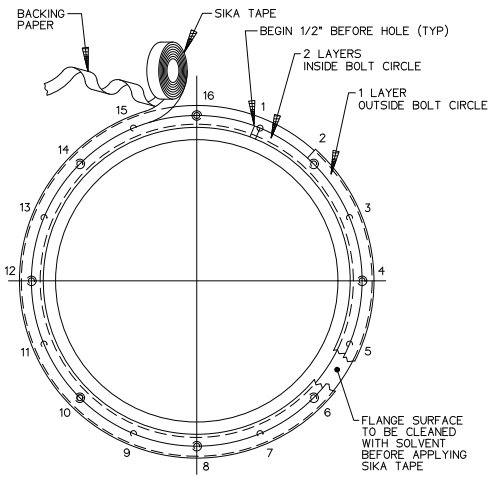
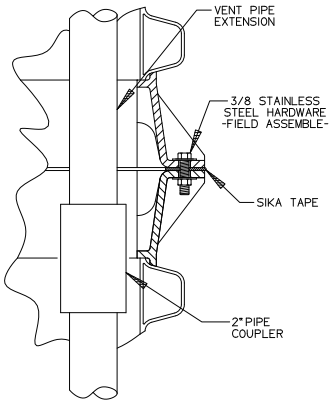


Figure 4b



Attachment: SP-1994-18_B_application_032025 (29950 : SP-1994-18B, 1880 Eggert Road)

Lifting Instructions

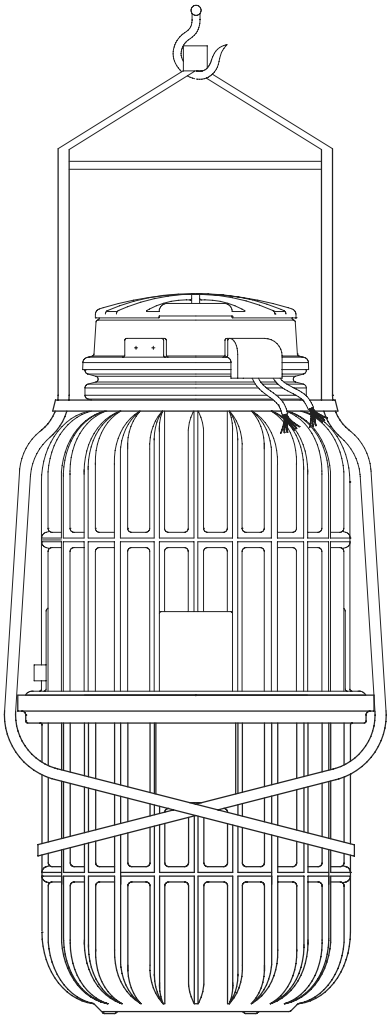
FAILURE TO FOLLOW THESE INSTRUCTIONS COMPLETELY WILL VOID WARRANTY.

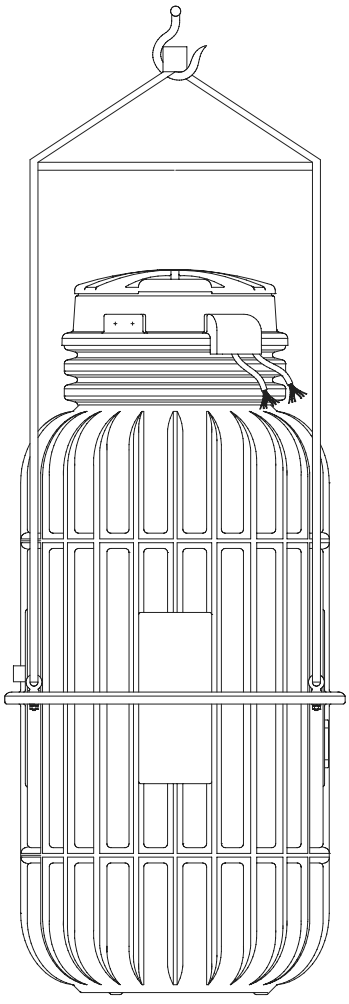
* Transporting unit to installation site: **Always lift a unit from the bottom for the purpose of transportation. The station should be received attached to a pallet for this purpose.** Never roll a station or move it on its side.

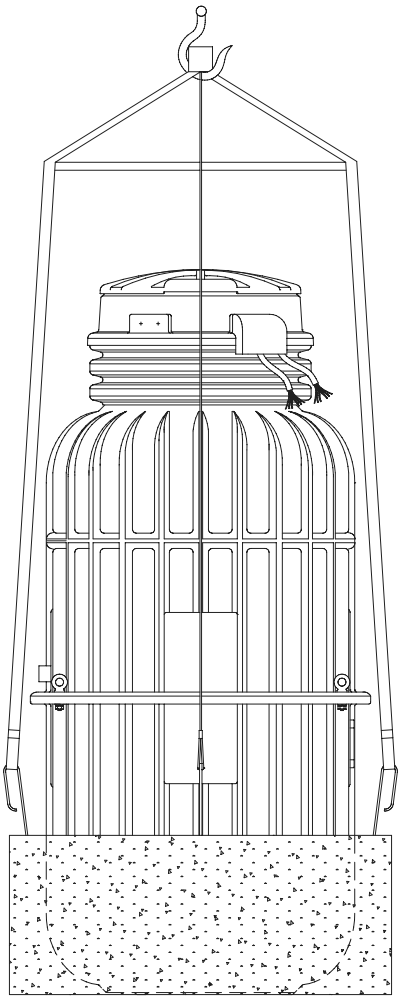
1. No Ballast, No Eye bolts (Ballast to be poured in place): If the concrete anchor is to be poured while the station is in place and it has no eye bolts, lift the unit by securing two 20 foot flat or round eye slings around the station. Loop the slings around the station and use an appropriate lifting beam or tie-down strap to ensure the safety of the station and people close to the unit. (see below)

2. No Ballast, Factory- Installed Eye Bolts (Ballast to be poured in place): If the concrete anchor is to be poured while the station is in place lift the unit by securing straps to the eyebolts supplied on the lower flange, as shown below. Keep station oriented vertically to avoid any damage. Only lift from the eyebolts to put unit in hole, not for moving any distance. (see below)

3. Precast Ballast: Never lift a station that has a ballast attached by any means except the rebar hooks. The weight of the concrete will damage the station if you attempt to lift it from any part of the station. (see below)







Attachment: SP-1994-18_B_applicatiion_032025 (29950 : SP-1994-18B, 1880 Eggert Road)

E/One Grinder Pump Station Ballast Calculations

Any buried vessel that is submerged, or partially submerged, in water will be acted on by an upward buoyant force that attempts to return the vessel to a non-submerged state. The magnitude of this buoyant force is equal to the volume of the vessel that is submerged multiplied by the density of water. On most in-ground installations a ballast, or concrete anchor, of proper volume and weight is required to resist the buoyant force. The amount of ballast required for a given set of installation site conditions may be calculated as follows.

Installation Site Assumptions

1. High water table – under worst case conditions, the E/One grinder pump station will be subjected to ground water up to the ground burial mark (i.e. the ground water level is assumed to be at the finished-grade level).

2. Backfill materials are per these installation instructions.

3. The consulting engineer should perform a soil test to determine if the assumptions that have been made are valid. ***If the site conditions differ from these assumptions, then the consulting engineer must revise the calculations as shown in this document.***

Physical Constants

1. Density of Water = 62.4 lb/cu ft
2. Density of Concrete = 150 lb/cu ft (in air)
3. Density of Concrete = 87.6 lb/cu ft (in water)
4. Density of Dry Compacted Backfill = 110 lb/cu ft
5. Density of Saturated Backfill = 70 lb/cu ft

Procedure

A. Determine the buoyant force exerted on the station. (Reference Chart 1)

1. Determine the buoyant force that acts on the grinder pump station when the tank is submerged in water.
2. Subtract the weight of the tank from the buoyant force due to the submerged tank to determine the net buoyant force acting on the station.

B. Determine the ballast force exerted on the station.

1. Determine the ballast force applied to the station from the concrete anchor (as applicable) and the saturated soil contributing to the ballast.

C. Compare the ballast force and the net buoyant force.

1. The ballast force must be greater than the net buoyant force in order to prevent flotation.
2. Note – if the installation site conditions are different from those listed above, the consulting engineer should recalculate the concrete ballast.

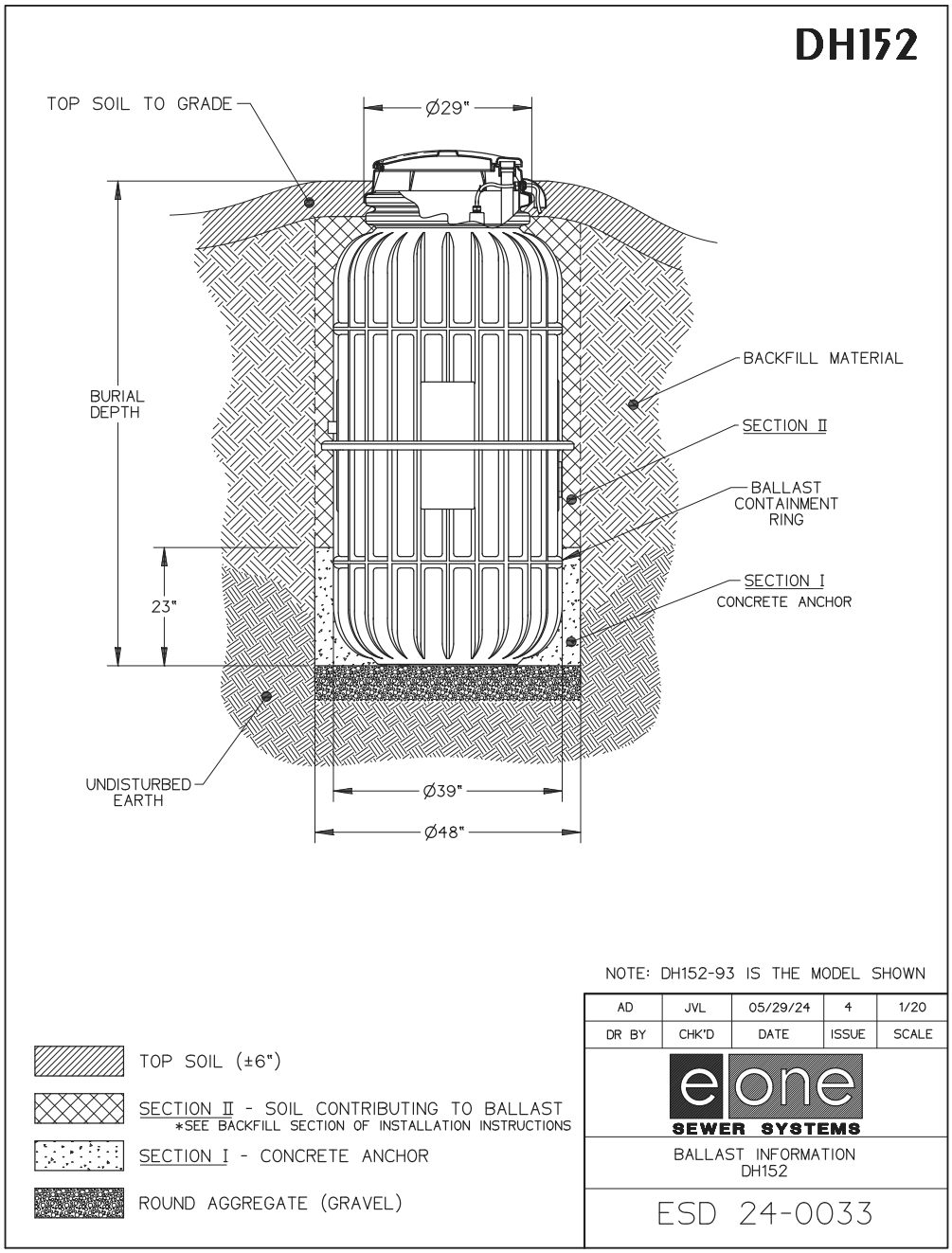
Attachment: SP-1994-18_B_application_032025 (29950 : SP-1994-18B, 1880 Eggert Road)

E/One Grinder Pump Station Ballast Calculations

Chart 1

Station Height	Tank Buried Height (ft)	Tank External Volume (cu ft)	Tank Buoyant Force (lb)	Tank Weight Empty (lb)	"Net" Buoyant Force (lb)	Minimum Concrete Dimensions [dia x height] (in)	Minimum Concrete Volume (cu ft)	Submerged Concrete Ballast Weight (lb)	Saturated Soil Ballast Weight (lb)	Total Ballast Weight (lb) **
DH152-93	7.1	49.1	3,064	293	2,771	48 x 23	11.0	964	2,009	2,973
DH152-129	10.3	61.9	3,863	332	3,531	48 x 23	11.0	964	3,976	4,940
DH152-160	12.9	72.2	4,505	357	4,148	48 x 23	11.0	964	5,558	6,522

** Total ballast weight must be greater than the "net" buoyant force listed for the specific model.



Attachment: SP-1994-18_B_applicatiion_032025 (29950 : SP-1994-18B, 1880 Eggert Road)

Adjusting the Height of the Grinder Pump Station

TO INCREASE STATION HEIGHT 6 INCHES

1. Increasing station height can be done without cutting the station. Use the E/One Extender cover shroud kit (ND0082G01) and follow the instructions that are included with the kit.

TO INCREASE STATION HEIGHT MORE THAN 6 INCHES or TO REDUCE THE STATION HEIGHT:

REMOVE EXISTING COVER ASSEMBLY (Fig. 5)

If your existing station has a welded-on cover shroud you will need the appropriate replacement cover kit (see Table 2, page 13).

1. Turn off all power to the grinder pump station.
2. Remove the tank lid and the electrical shroud.
3. Unplug the electrical quick disconnect (EQD) and remove the EQD from the supply cable. *Note: DO NOT CUT CABLE*. Loosen liquid tight cable connector and pull the supply cable out through the connector on the side of tank.
4. Tape the pump breather cable to the vent pipe in the tank.
5. Remove the soil around the tank, exposing three of the tank corrugations below grade. Use caution not to damage buried cable.
6. Remove existing cover shroud.

6a. Welded-on shroud (standard) - Using a hand saw, cut the tank in the valley between the two corrugations at grade, discard existing welded-on shroud and attached corrugations *(shroud is not to be reused)*. *Caution: Be careful not to cut either the vent pipe or the pump breather cable.*

6b. Clamped-on shroud - Remove band clamp and cover shroud.

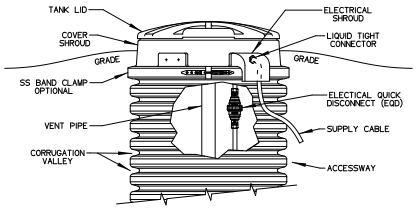


Figure 5

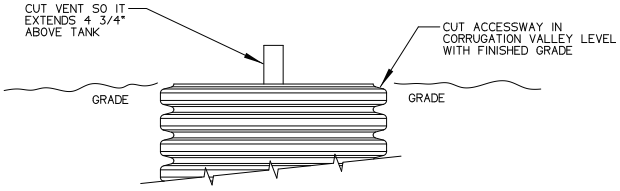


Figure 6

REDUCING STATION HEIGHT (Fig. 6)

7. Using a hand saw, cut the tank in the valley between the two corrugations at grade.
8. Cut vent pipe 4 ¾" above the cut made on the tank. *Proceed to step 16.*

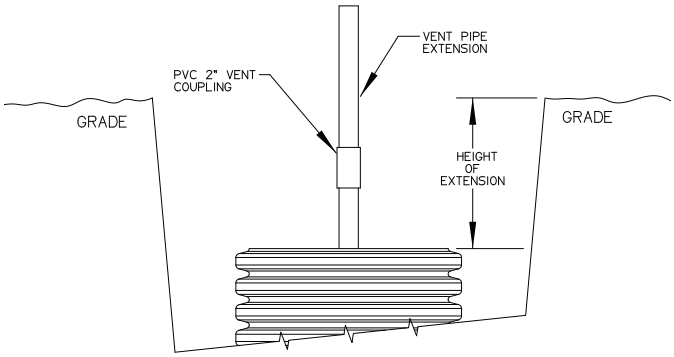


Figure 7

INCREASING STATION HEIGHT (Fig. 7 and Fig. 8)

9. Remove the soil around the tank exposing it 18" deeper than the extension being installed. For example, if you have a 2' extension (not including the coupler) you must dig down 3'6" minimum from grade; if you have a 4' extension (not including the coupler) you must dig down 5'6" minimum from grade. Use caution not to damage buried cable.
10. Measure from grade down 2' (for a 2' extension) or 4' (for a 4' extension) and mark accessway. Using a hand saw, cut the tank in the valley between the two corrugations that are closest to your mark. *Note: Make sure the welded-on shroud of the extension will be at grade level. Be sure you are not cutting into the wet well and you must have two corrugations below your cut, if there are less than two corrugations, this extension kit can not be used.*

Caution: *Be careful not to cut either the vent pipe or the pump breather cable.*

11. Attach the vent pipe extension with the 2" vent

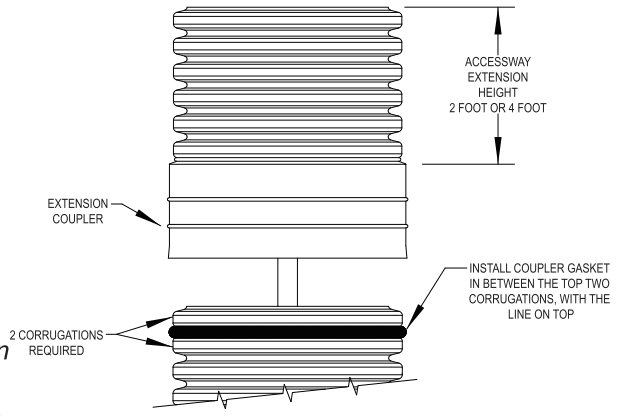


Figure 8

Attachment: SP-1994-18_B_application_032025 (29950 : SP-1994-18B, 1880 Eggert Road)

coupling, bringing the vent well above grade.

12. Clean all dirt and debris from top four corrugations on tank. Install the 24” coupler gasket on the tank between the top two corrugations with the white or yellow line facing out and on top.

13. Lube extension coupler and coupler gasket with pipe lube or dish soap.

14. Manually press coupling evenly over lubricated gasket. If additional force is needed, place a plywood cover over the accessway and apply gentle mechanical pressure to the coupler. *Note: Care must be used when pushing down on the coupler. Excessive force or impact may result in damage and leakage.*

15. Frequent visual inspections during installation must be performed to determine when the tank has fully engage the coupler.

INSTALL REPLACEMENT COVER ASSEMBLY (Fig. 9)

16. Clean top corrugation on accessway extension and mating surfaces of (existing or) replacement shroud with soap and water to remove any debris from surfaces.

17. Inspect the underside of (existing or) replacement Shroud to make sure the foam gasket strip is securely in place and undamaged. If there is any concern with the condition of the foam gasket strip, apply a bead of silicone RTV sealant (not provided) to the underside of the shroud where it will contact the corrugated pipe surface on the accessway.

18. Lube wet well vent grommet and vent pipe extension with pipe lube, non-grit hand cleaner, or dish soap and slide the vent pipe through the grommet until the shroud seats on the corrugated pipe surface of the accessway.

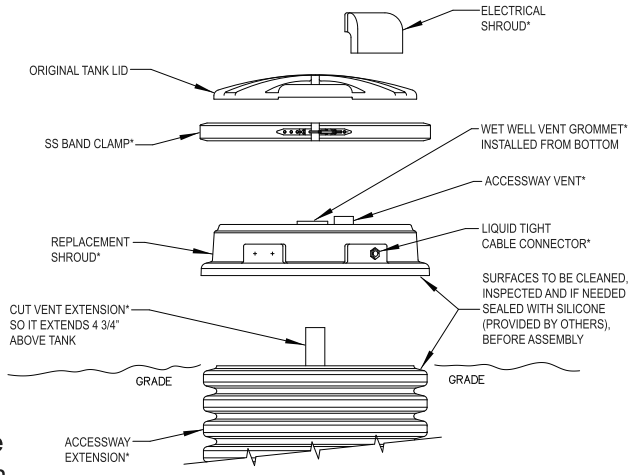


Figure 9

19. Place SS band clamp around top corrugation and the replacement shroud. Tap with a mallet around clamp to help seat the clamp. Torque stud assembly on band clamp to a maximum 125 inlb.

20. Reinstall the supply cable, EQD**, tank lid and electrical shroud and tighten cable connector. (**See “EQD wiring order,” Table 1)

21. Follow start-up procedures to ensure proper pump operation (you will find the start-up instructions in our service manual or the station installation instruction guide).

**EQD wiring order

PIN #	COLOR
1	Brown
2	Red
3	Black
4	Grn/Yellow
5	Yellow
6	Blue

Table 1

Table 2

DESCRIPTION	PART NO.
Simplex station	NC0022G15
Simplex, flood plain config	NC0022G16
Duplex station	NC0022G17
Duplex, flood plain config	NC0022G18

*Included in kit.

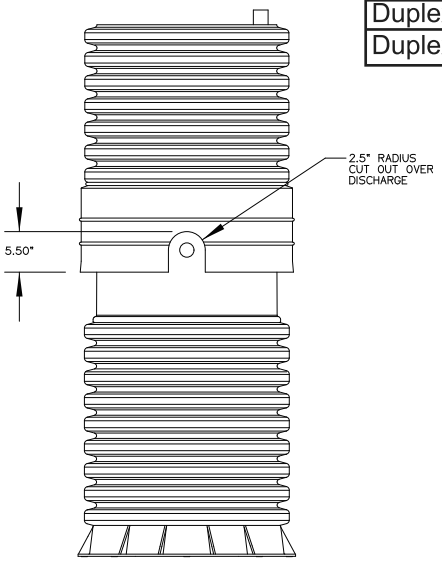


Figure 10

NOTE: IF EXISTING ACCESSWAY HAS ONLY 2 CORRUGATIONS (Fig. 10)

- If the coupler will not engage completely because the discharge piping is in the way, and it doesn’t have a cut out, you will need to cut a slot in the coupler.
- Using a hand, reciprocating or hole saw, cut an arch in the coupler; the cut-out is not to exceed 5.50” tall or 5.00” wide.

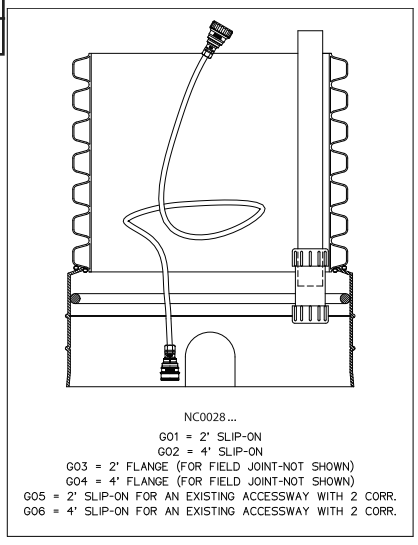


Figure 11

Attachment: SP-1994-18_B_application_032025 (29950 : SP-1994-18B, 1880 Eggert Road)

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A Precision Castparts Company

Environment One Corporation
2773 Balltown Road
Niskayuna, New York 12309–1090

Voice: (01) 518.346.6161
Fax: 518.346.6188

www.eone.com

NA0063P01 Rev L
5/24

User Instructions for the Environment One Grinder Pump

General Information

Your home is served by a low pressure sewer system; the key element is an Environment One grinder pump. The tank collects all solid materials and wastewater from the house. The solid materials are then ground to a small size suitable for pumping as a slurry with the wastewater. The grinder pump generates sufficient pressure to pump this slurry from your home to the wastewater treatment receiving line and/or disposal plant.

This device complies with Part 15 of the FCC rules. Operation is subject to the following two conditions: 1) this device may not cause harmful interference; and 2) this device must accept any interference received, including interference that may cause undesired operation. Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

Care and Use of your Grinder Pump

The Environment One grinder pump is capable of accepting and pumping a wide range of materials, and an extensive grind test is required in order to obtain NSF approval. However, regulatory agencies advise that the following items should not be introduced into any sewer, either directly or through a kitchen waste disposal unit:

Glass	Seafood shells	Diapers, socks, rags or cloth	Syringes
Cotton swabs	Personal/cleaning wipes & sponges	Disposable toothbrushes	Latex/vinyl items
Metal	Plastic objects (toys, utensils, etc.)	Kitty litter	Dental floss
Aquarium gravel	Sanitary napkins or tampons	Cigarette butts	

Caution: Kitchen garbage disposals do not keep grease/oil out of the plumbing system

In addition, you must **never** introduce into any sewer:

Explosives	Strong chemicals	Lubricating oil and/or grease
Flammable material	Gasoline	

Items introduced into the sewer system from your home can potentially impact the water environment. Proper disposal of household wastes such as window cleaners, unused/expired pharmaceuticals, paint thinners, fats, fruit labels, etc. is important. For more information, visit http://www.wef.org.

Periods of Disuse

If your home or building is left unoccupied for longer than a couple of weeks, perform the following procedure:

Purge the System. Run clean water into the unit until the pump activates. Immediately turn off the water and allow the grinder pump to run until it shuts off automatically.

Duplex Units. Special attention must be taken to ensure that both pumps turn on when clean water is added to the tank.

Caution: Do not disconnect power to the unit

Power Failure

Your grinder pump cannot dispose of wastewater without electrical power. If electrical power service is interrupted, keep water usage to a minimum.

Pump Failure Alarm

Your Environment One grinder pump has been manufactured to produce an alarm signal (120 volt) in the event of a high water level in the basin. The installer must see that the alarm signal provided is connected to an audible and/or visual alarm in such a manner as to provide adequate warning to the user that service is required. During the interim prior to the arrival of an authorized service technician, water usage must be limited to the reserve capacity of the tank.

For service, please call your local distributor:

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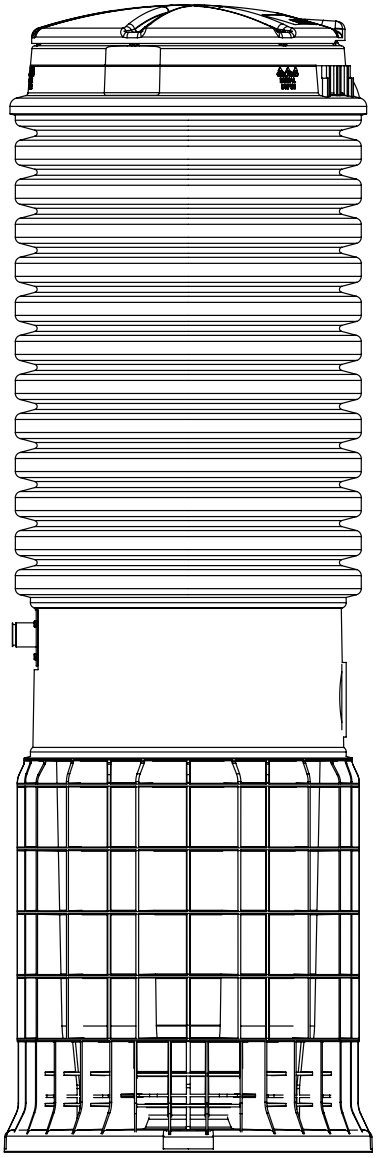
E/One Sewers™



Limited Warranty

For E/One Extreme D-Series,
W-Series & Upgrade

Environment One Corporation offers a limited warranty that guarantees its product to be free from defects in material and factory workmanship for a period of two years from the date of installation, or 27 months from the date of shipment, whichever occurs first, provided the product is properly installed, serviced and operated under normal conditions and according to manufacturer's instructions. Repair or parts replacement required as a result of such defect will be made free of charge during this period upon return of the defective parts or equipment to the manufacturer or its nearest authorized service center.

Model Number: _____

Serial Number:_____

Installation Date: _____

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SEWER SYSTEMS

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STORMWATER DRAINAGE DESIGN REPORT

For:

EGGERTSVILLE HOSE COMPANY
EXTERIOR SITE IMPROVEMENTS
1880 Eggert Road
Amherst, New York 14226
Project No. 23-194A

January 13, 2025

Prepared for:

Ronald Trigilio, Architect
2448 Delaware Avenue
Buffalo, New York 14216

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Buffalo, NY 14214
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WARNING: IT IS A VIOLATION OF SECTION 7209, SUBDIVISION 2, OF THE NEW YORK STATE EDUCATION LAW FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED ARCHITECT OR PROFESSIONAL ENGINEER, TO ALTER IN ANY WAY, PLANS, SPECIFICATIONS, OR REPORTS TO WHICH THE SEAL OF A LICENSED ARCHITECT OR PROFESSIONAL ENGINEER HAS BEEN APPLIED

Attachment: SP-1994-18_B_application_032025 (29950 : SP-1994-18B, 1880 Eggert Road)

TABLE OF CONTENTS

STORMWATER MANAGEMENT SUMMARY----------PG. 1

EXISTING SITE CONDITIONS----------PG. 3

PROPOSED SITE CONDITIONS----------PG. 4

DESIGN PROCEDURES----------PG. 6

STORMWATER POLLUTION PREVENTION----------PG. 7

EXISTING DRAINAGE PLAN----------PG. 8

PROPOSED DRAINAGE PLAN----------PG. 9

DETENTION BASIN CALCULATIONS & HYDROGRAPHS----------PG. 10

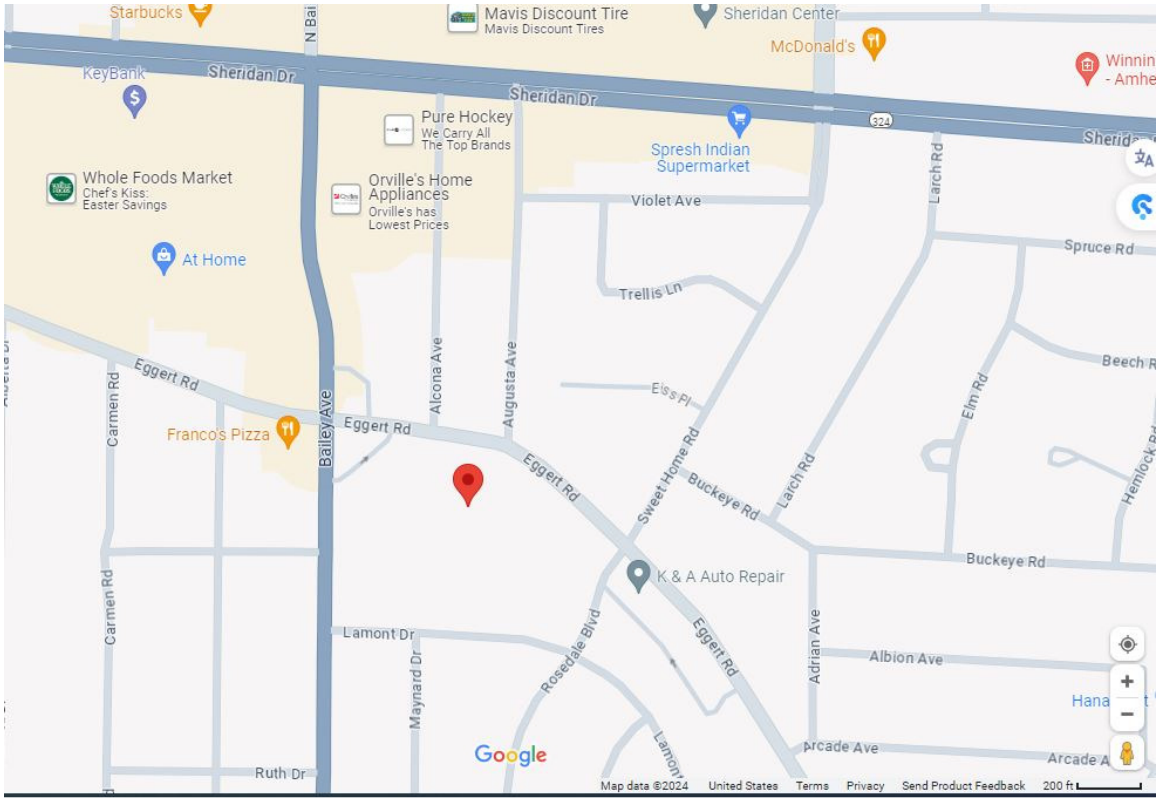
Attachment: SP-1994-18_B_applicatiion_032025 (29950 : SP-1994-18B, 1880 Eggert Road)

Stormwater Management Summary:

The proposed development consists of a new 499 square foot 1-story antique fire truck addition (Phase 1), several accessibility additions (Phase 1), a new 728 square foot 1-story accessory building addition (Phase 2), and new 3,040 square foot storage building (Phase 3 to the existing Eggertsville Hose Fire Hall). Minor site re-grading, utility connections, drainage structures, landscaping, and temporary and permanent erosion control devices shall also be added. The parcel is zoned "CF" (Community Facilities) and is located on the southern side of Eggert Road between Bailey Avenue and Rosedale Boulevard in the Town of Amherst, New York (see Site Location Map below). This design report is intended to be submitted with Site Plan drawings entitled" Exterior Site Improvements" as prepared by Studio T3 Engineering, PLLC.

The proposed site drainage plan includes the addition of new catch basins, new roof drains, new storm sewers, new grass swales. new landscaping, and three (3) new underground detention systems. These have been designed in order to:

- Efficiently collect runoff from impervious areas and discharge it quickly to alleviate the threat of flooding and nuisance insects;
- Minimize erosion and sedimentation on the proposed site to prevent degradation of water quality in downstream waters receiving discharged runoff;
- Reduce the peak rate of stormwater runoff discharging from the proposed site so that it is less than or equal to the rate of runoff discharging from the existing site



SITE LOCATION MAP

Attachment: SP-1994-18_B_application_032025 (29950 : SP-1994-18B, 1880 Eggert Road)

Town of Amherst Criteria

Phase 1

- **Reduce 25-year peak outflow from post-developed site to be less than or equal to the 10-year peak outflow from the pre-developed site**
- 10-year peak outflow from pre-developed site = 0.18 CFS
- 25- year peak outflow from post-developed site = **0.18 CFS**

- **Provide enough detention volume on site to meet the above criteria**
- Minimum required detention volume = 175 cubic feet (0.004 acre-feet)
- Actual detention volume provided = **653 cubic feet (0.015 acre-feet)**

Phase 2

- **Reduce 25-year peak outflow from post-developed site to be less than or equal to the 10-year peak outflow from the pre-developed site**
- 10-year peak outflow from pre-developed site = 0.45 CFS
- 25- year peak outflow from post-developed site = **0.26 CFS**

- **Provide enough detention volume on site to meet the above criteria**
- Minimum required detention volume = 348 cubic feet (0.008 acre-feet)
- Actual detention volume provided = **392 cubic feet (0.009 acre-feet)**

Phase 3

- **Reduce 25-year peak outflow from post-developed site to be less than or equal to the 10-year peak outflow from the pre-developed site**
- 10-year peak outflow from pre-developed site = 0.51 CFS
- 25- year peak outflow from post-developed site = **0.28 CFS**

- **Provide enough detention volume on site to meet the above criteria**
- Minimum required detention volume = 634 cubic feet (0.015 acre-feet)
- Actual detention volume provided = **653 cubic feet (0.015 acre-feet)**

Attachment: SP-1994-18_B_application_032025 (29950 : SP-1994-18B, 1880 Eggert Road)

Existing Site Conditions

The project area is partially developed and can be considered to be one (1) drainage area based on existing site topography (see Existing Drainage Plan on page 8). The existing site area consists of an existing building with surrounding asphalt pavement parking and landscaping. The landscaped vegetation areas consist of existing lawn and some trees and woody shrubs.

The Federal Insurance Rate Map for the Town of Amherst, Erie County, New York prepared by the Federal Emergency Management Act (F.E.M.A.) shows that no portions of the site are located within the 100-Year Floodplain.

The Erie County Soil Survey lists 98% of the site area as having Urban Land Odessa Complex (Ut) soil rated Type D, and the remaining 2% of the site area as having Urban Land Schoharie Complex (Uu) soil rated Type D. The soil ratings are based on the classification system of the U.S.D.A. Natural Resources Conservation Service. Soil boring samples show bedrock elevations approximately 21 feet below existing grade and evidence of high groundwater table depths approximately 19 feet below existing grade on average (see Geotechnical Report by Buffalo Drilling Company, Inc. dated July, 1994 and identified as Project No. 94-208).

Descriptions, peak runoff, and discharge points of each of the drainage subareas on the existing site are summarized below:

EXISTING SITE								
PHASE 1 AREA								
AREA	0.05 ACRES							
% OFFSITE/ONSITE	100% ONSITE							
DEVELOPED OR UNDEVELOPED			PARTIALLY DEVELOPED					
DESCRIPTION OF GROUND COVERS			LANDSCAPED AREA WITH TREES, LAWN, & VEGETATION					
IMPERVIOUS AREA AND %		0.002 AC. (4%)						
RUNOFF FLOW PATTERN AND DIRECTION				SOUTHWEST TO NORTHEAST				
AVERAGE DROP AND SLOPE		2.3% AVERAGE SLOPE						
C	0.30							
CN	83							
Tc	5.0	MIN						
PEAK RUNOFF FLOW RATE		0.18 CFS						
PEAK RUNOFF VOLUME		348	CUBIC FEET					
FREQ/DEPTH/DURATION AND TYPE OF DESIGN STORM					10-YR / 24-HR			
RAINFALL DEPTH:	3.44 INCHES							
TIE IN POINT	EXISTING CATCH BASINS							
DRAINAGE DISCHARGES TO	EXISTING DRAINAGE SYSTEM BENEATH PARKING LOT							
OVERLAND, PIPE, OR DITCH	OVERLAND SHEET FLOW							

Attachment: SP-1994-18_B_application_032025 (29950 : SP-1994-18B, 1880 Eggert Road)

PHASE 2 AREA								
AREA	0.10 ACRES							
% OFFSITE/ONSITE	100% ONSITE							
DEVELOPED OR UNDEVELOPED		PARTIALLY DEVELOPED						
DESCRIPTION OF GROUND COVERS		EXISTING STORAGE BUILDING & SURROUNDING LAWN						
IMPERVIOUS AREA AND %		0.05 AC. (50%)						
RUNOFF FLOW PATTERN AND DIRECTION			NORTH TO SOUTH					
AVERAGE DROP AND SLOPE		2.3% AVERAGE SLOPE						
C	0.61							
CN	90							
Tc	5.0	MIN						
PEAK RUNOFF FLOW RATE		0.45 CFS						
PEAK RUNOFF VOLUME		871	CUBIC FEET					
FREQ/DEPTH/DURATION AND TYPE OF DESIGN STORM				10-YR / 24-HR				
RAINFALL DEPTH:	3.44 INCHES							
TIE IN POINT	EXISTING LAWN DRAINS							
DRAINAGE DISCHARGES TO	EXISTING DRAINAGE SYSTEM BENEATH PARKING LOT							
OVERLAND, PIPE, OR DITCH	OVERLAND SHEET FLOW							

PHASE 3 AREA								
AREA	0.15 ACRES							
% OFFSITE/ONSITE	100% ONSITE							
DEVELOPED OR UNDEVELOPED			PARTIALLY DEVELOPED					
DESCRIPTION OF GROUND COVERS			LAWN AREA					
IMPERVIOUS AREA AND %		0 AC. (0%)						
RUNOFF FLOW PATTERN AND DIRECTION				NORTH TO SOUTH				
AVERAGE DROP AND SLOPE		2.3% AVERAGE SLOPE						
C	0.27							
CN	82							
Tc	5.0	MIN						
PEAK RUNOFF FLOW RATE		0.51 CFS						
PEAK RUNOFF VOLUME		958	CUBIC FEET					
FREQ/DEPTH/DURATION AND TYPE OF DESIGN STORM					10-YR / 24-HR			
RAINFALL DEPTH:	3.44 INCHES							
TIE IN POINT	EXISTING LAWN DRAINS							
DRAINAGE DISCHARGES TO	EXISTING DRAINAGE SYSTEM BENEATH PARKING LOT							
OVERLAND, PIPE, OR DITCH	OVERLAND SHEET FLOW							

Existing Drainage Summary

No drainage problems have been reported on the existing site or any of the adjacent parcels as of the time this report was written (January, 2025). The hydraulic capacities and performance of the existing storm sewer within the Eggert Road right-of-way is outside the scope of this report and can be determined by the Town of Amherst Engineering Department and the Hydraulic Engineer of the Erie County Highway Department.

Proposed Site Conditions

The phased project site areas shall be cleared, grubbed, and re-graded. A new 499 square foot 1-story antique fire truck addition (Phase 1), several accessibility additions (Phase 1), a new 728 square foot 1-story accessory building addition (Phase 2), and new 3,040 square foot storage building (Phase 3) shall be added to the existing facility. No new driveways shall be added. No existing driveways shall be modified, removed, or relocated.

The proposed drainage plan can be divided into three (3) separate drainage subareas

Attachment: SP-1994-18_B_application_032025 (29950 : SP-1994-18B, 1880 Eggert Road)

corresponding to each project phase, based on proposed site topography (see Proposed Drainage Plan on page 9). All of the 3 drainage subareas shall be tributary to the existing drainage system beneath the existing parking lot which discharges into the existing storm sewer within the adjacent Eggert Road right-of-way. Descriptions, peak runoff, and discharge points of each of the drainage subareas on the existing site are summarized below:

PROPOSED SITE								
PHASE 1 AREA								
AREA	0.05 ACRES							
% OFFSITE/ONSITE	100% ONSITE							
DEVELOPED OR UNDEVELOPED			FULLY DEVELOPED					
DESCRIPTION OF GROUND COVERS			NEW BLDG ADDITION W/ADJ SIDEWALK & LSCP.					
IMPERVIOUS AREA AND %		0.03 AC. (60%)						
RUNOFF FLOW PATTERN AND DIRECTION				SOUTHWEST TO NORTHEAST				
AVERAGE DROP AND SLOPE		2.3% AVERAGE SLOPE						
C	0.68							
CN	92							
Tc	5.0	MIN						
PEAK RUNOFF FLOW RATE		0.30 CFS	**DETAIND PEAK RUNOFF FLOW RATE**				0.18 CFS	
PEAK RUNOFF VOLUME		610	CUBIC FEET		**DETAINED VOLUME**		523	CUBIC FEET
FREQ/DEPTH/DURATION AND TYPE OF DESIGN STORM					25-YR / 24-HR			
RAINFALL DEPTH:	4.15 INCHES							
TIE IN POINT	NEW U.G. DETENTION SYSTEM							
DRAINAGE DISCHARGES TO	EXISTING DRAINAGE SYSTEM BENEATH PARKING LOT							
OVERLAND, PIPE, OR DITCH	OVERLAND SHEET & PIPE FLOW							

PHASE 2 AREA								
AREA	0.10 ACRES							
% OFFSITE/ONSITE	100% ONSITE							
DEVELOPED OR UNDEVELOPED			FULLY DEVELOPED					
DESCRIPTION OF GROUND COVERS			NEW BLDG ADDITION & SURROUNDING LSCP.					
IMPERVIOUS AREA AND %		0.07 AC. (70%)						
RUNOFF FLOW PATTERN AND DIRECTION				NORTH TO SOUTH				
AVERAGE DROP AND SLOPE		2.3% AVERAGE SLOPE						
C	0.75							
CN	93							
Tc	5.0	MIN						
PEAK RUNOFF FLOW RATE		0.61 CFS	**DETAIND PEAK RUNOFF FLOW RATE**				0.26 CFS	
PEAK RUNOFF VOLUME		1220	CUBIC FEET		**DETAINED VOLUME**		1176	CUBIC FEET
FREQ/DEPTH/DURATION AND TYPE OF DESIGN STORM					25-YR / 24-HR			
RAINFALL DEPTH:	4.15 INCHES							
TIE IN POINT	NEW U.G. DETENTION SYSTEM							
DRAINAGE DISCHARGES TO	EXISTING DRAINAGE SYSTEM BENEATH PARKING LOT							
OVERLAND, PIPE, OR DITCH	OVERLAND SHEET & PIPE FLOW							

Attachment: SP-1994-18_B_application_032025 (29950 : SP-1994-18B, 1880 Eggert Road)

PHASE 3 AREA								
AREA	0.15 ACRES							
% OFFSITE/ONSITE	100% ONSITE							
DEVELOPED OR UNDEVELOPED			FULLY DEVELOPED					
DESCRIPTION OF GROUND COVERS			NEW STORAGE BLDG. & SURROUNDING LSCP.					
IMPERVIOUS AREA AND %		0.10 AC. (67%)						
RUNOFF FLOW PATTERN AND DIRECTION				NORTH TO SOUTH				
AVERAGE DROP AND SLOPE		2.3% AVERAGE SLOPE						
C	0.72							
CN	93							
Tc	5.0	MIN						
PEAK RUNOFF FLOW RATE		0.91 CFS	**DETAIND PEAK RUNOFF FLOW RATE**				0.28 CFS	
PEAK RUNOFF VOLUME		1830	CUBIC FEET		**DETAINED VOLUME**		1742	CUBIC FEET
FREQ/DEPTH/DURATION AND TYPE OF DESIGN STORM					10-YR / 24-HR			
RAINFALL DEPTH:		3.44 INCHES						
TIE IN POINT		EXISTING LAWN DRAINS						
DRAINAGE DISCHARGES TO		EXISTING DRAINAGE SYSTEM BENEATH PARKING LOT						
OVERLAND, PIPE, OR DITCH		OVERLAND SHEET FLOW						

Proposed Drainage Summary

All 3 phased project areas shall be graded to drain all surface stormwater runoff from the new roof areas into a new storm sewer system via new roof drain laterals. The new roof drains shall convey all stormwater runoff to 3 new underground detention systems located within each of the three project phase areas. For Phase 1, during the 25-year storm event it is estimated that the peak runoff rate from the site shall be approximately 0.18 CFS. This shall be the same as the peak runoff rate under existing conditions during a 10-year storm event. For Phase 2, during the 25-year storm event it is estimated that the peak runoff rate from the site shall be approximately 0.26 CFS. This shall be 0.19 CFS (42%) less than the peak runoff rate under existing conditions during a 10-year storm (0.45 CFS). For Phase 3, during the 25-year storm event it is estimated that the peak runoff rate from the site shall be approximately 0.28 CFS. This shall be 0.23 CFS (45%) less than the peak runoff rate under existing conditions during a 10-year storm (0.51 CFS). Therefore, the detention basin shall reduce the peak runoff rate to an acceptable peak flow as required by the Town of Amherst and the Erie County Highway Department. None of the future site area shall discharge stormwater runoff to adjacent residential parcels. Therefore the off-site impact from this development on the adjacent storm sewer system shall be negligible.

Operation & Maintenance

Regular maintenance of the detention basin shall be the responsibility of the property owner to ensure that:

- The outlet is kept free of debris and sediment
- The interior of the new underground detention systems are maintained per manufacturer's instructions.

Design Procedures

Calculations were based on the following:

- Concentration times were calculated using the SCS Lag Method
- The peak runoff rates for the existing site were calculated by the N.R.C.S. TR-20 Unit Hydrograph Method, assuming a 24-hour 10-year design storm which discharges a total of 3.44 inches of rainfall. A Type II storm distribution was assumed.
- The peak runoff rates for the existing site were calculated by the N.R.C.S. TR-20 Unit Hydrograph Method, assuming a 24-hour 25-year design storm which discharges a total of 4.15 inches of rainfall. A Type II storm distribution was

Attachment: SP-1994-18_B_application_032025 (29950 : SP-1994-18B, 1880 Eggert Road)

assumed.

- The storm sewers were sized and sloped using the Bernoulli Energy Equation and the Rational Method assuming a 10-year storm frequency
- The detention area elevation-volume relationship was calculated by average contour area
- The detention basin elevation-discharge relationship was calculated using the inlet/outlet control equations given in HDS-5 (F.H.W.A.).
- Runoff was routed through the detention basins using the Storage Indication Method

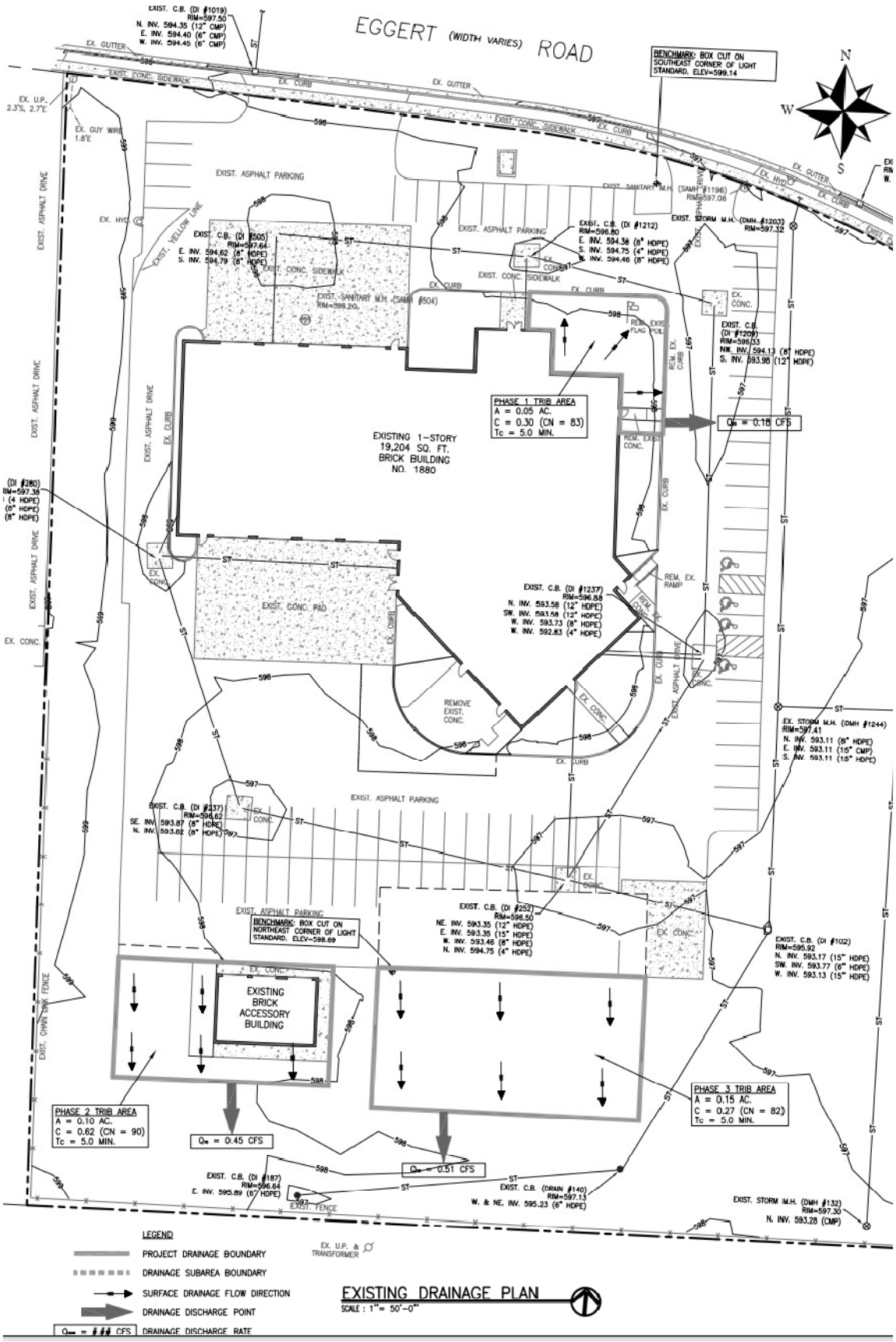
Drainage calculations are given starting on page 10.

Stormwater Pollution Prevention:

In order to prevent contamination and degradation of downstream water bodies being discharged into, the contractor shall maintain adequate soil erosion and sedimentation control measures throughout construction as shown on the Erosion Control in the design drawing set. All erosion control procedures shall comply with Town of Amherst requirements and Best Management Practices as set forth by the National Pollution Discharge Elimination System (N.P.D.E.S.). Temporary sedimentation and erosion control devices include temporary catch basin inlet protection during construction. Vegetation stabilization measures shall be implemented within 24 hours of final grading and seeding operations. Turf reinforcement mat shall also be added. Landscaping and seeding, sodding, or hydroseeding operations shall begin as soon as final grade is established in order to minimize or eliminate the exposure of loose soil particles to rain and wind erosion. The contractor shall ensure the site is graded such that stormwater runoff is directed to the sedimentation and erosion control devices throughout all phases of the construction. Each device shall also be inspected and maintained after rainstorms and on a daily basis. All sedimentation and erosion control devices shall remain in place until sufficient vegetation is established to prevent soil particle migration. Any temporary stockpiles shall not block drainage flows during construction. The perimeter of all stockpile bases shall be protected with silt fencing. Stockpiles should also not be located near slopes, roadways, or drainage structures if possible. Any dewatering operations shall discharge directly into a sediment filter structure or basin. All catch basin sumps shall be cleaned out and soil sediments shall be deposited at lawn areas before seeding operations begin. While sod is not required it is recommended. If sod is not used it is recommended that all lawn areas be hydroseeded and hydromulched, else burlap mesh shall be used on slope embankments steep enough to temporarily impede the establishment of lawn areas.

The contractor shall also obtain all necessary clearing, stripping, and debris disposal permits before beginning any excavation or construction on site. Methods of dust control shall also be employed as necessary. The Town of Amherst Plumbing Inspector shall inspect all storm drainage systems. The Town of Amherst Engineering Department shall approve these calculations and plans before a building permit can be issued. Since the total area of disturbance is less than one (1) acre, a SPDES Permit GP-0-25-001 for Stormwater Discharge During Construction Activities shall not be required by the New York State Department of Environmental Conservation (NYSDEC).

Attachment: SP-1994-18_B_application_032025 (29950 : SP-1994-18B, 1880 Eggert Road)



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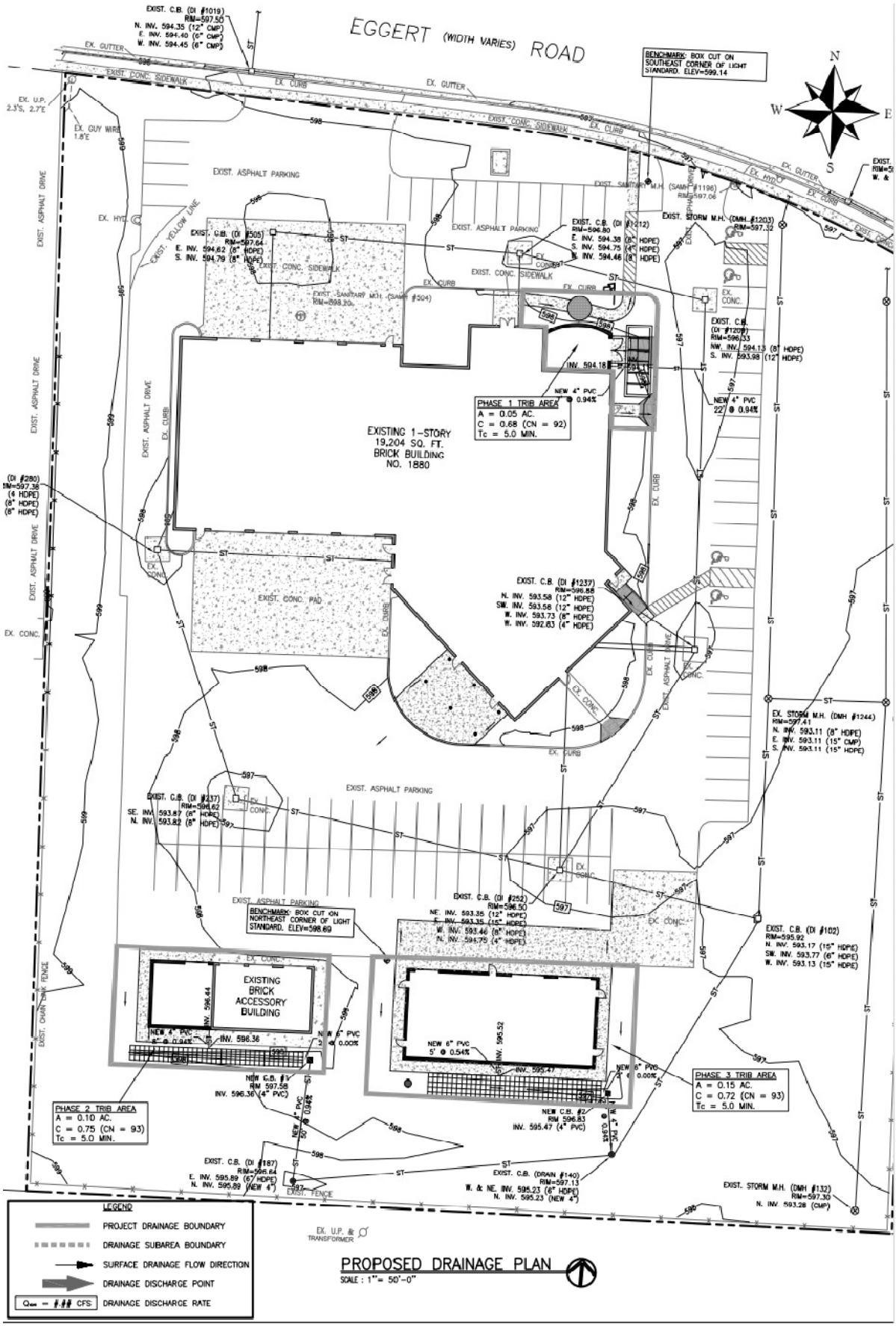

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DRAINAGE AREA SUMMARY / CALCULATIONS

			EXISTING					
TRIB AREA	C	CN	AREA (AC)	PERV	IMP.	% IMP.	C x A	CN x A
PHASE 1	0.30	83	0.05	0.05	0.002	4%	0.015	4.15
		TOTAL	**0.05**	**0.048**	**0.00**	**4%**	**0.015**	**4.15**
						AVERAGE	**0.30**	**83**

			EXISTING					
TRIB AREA	C	CN	AREA (AC)	PERV	IMP.	% IMP.	C x A	CN x A
PHASE 2	0.61	90	0.10	0.05	0.05	50%	0.061	9
vice.		**TOTAL**	**0.10**	**0.05**	**0.05**	**50%**	**0.061**	**9**
						AVERAGE	**0.61**	**90**

			EXISTING					
NON-TRIB AREA	C	CN	AREA (AC)	PERV	IMP.	% IMP.	C x A	CN x A
PHASE 3	0.27	82	0.15	0.15	0	0%	0.0405	12.3
		TOTAL	**0.15**	**0.15**	**0.00**	0%	0.04	12
vice.						**AVERAGE**	**0.27**	**82**

			PROPOSED					
TRIB AREA	C	CN	AREA (AC)	PERV	IMP.	% IMP.	C x A	CN x A
PHASE 1	0.68	92	0.05	0.02	0.03	60%	0.034	4.6
		TOTAL	**0.05**	**0.02**	**0.03**	**60%**	**0.034**	**4.6**
						AVERAGE	**0.68**	**92**

			PROPOSED					
TRIB AREA	C	CN	AREA (AC)	PERV	IMP.	% IMP.	C x A	CN x A
PHASE 2	0.75	93	0.10	0.03	0.07	70%	0.075	9.3
		TOTAL	**0.10**	**0.03**	**0.07**	**70%**	**0.075**	**9.3**
						AVERAGE	**0.75**	**93**

			PROPOSED					
NON-TRIB AREA	C	CN	AREA (AC)	PERV	IMP.	% IMP.	C x A	CN x A
PHASE 3	0.72	93	0.15	0.05	0.1	67%	0.108	13.95
		TOTAL	**0.15**	**0.05**	**0.10**	67%	0.11	14
						AVERAGE	**0.72**	**93**

Attachment: SP-1994-18_B_application_032025 (29950 : SP-1994-18B, 1880 Eggert Road)

TIME OF CONCENTRATION CALCAULATIONS							
SCS LAG METHOD							
EXISTING PHASE 1 AREA							
Tc =	1.67 x	L^0.8 (S+1) ^ 0.7	0.021416	HRS OR	**5.0**	**MINUTES**	
		1900Y^0.5					
A =	0.05	AC					
L =	35	FT (MAX HYDRAULIC LENGTH = 209 x A ^0.6)					
CN =	83						
S =	2.048193						
Y =	2.33	% (AVERAGE SLOPE)					
EXISTING PHASE 2 AREA							
Tc =	1.67 x	L^0.8 (S+1) ^ 0.7	0.023097	HRS OR	**5.0**	**MINUTES**	
		1900Y^0.5					
A =	0.10	AC					
L =	52	FT (MAX HYDRAULIC LENGTH = 209 x A ^0.6)					
CN =	90						
S =	1.111111						
Y =	2.33	% (AVERAGE SLOPE)					
EXISTING PHASE 3 AREA							
Tc =	1.67 x	L^0.8 (S+1) ^ 0.7	0.037503	HRS OR	**5.0**	**MINUTES**	
		1900Y^0.5					
A =	0.15	AC					
L =	67	FT (MAX HYDRAULIC LENGTH = 209 x A ^0.6)					
CN =	82						
S =	2.195122						
Y =	2.33	% (AVERAGE SLOPE)					

Attachment: SP-1994-18_B_application_032025 (29950 : SP-1994-18B, 1880 Eggert Road)

PROPOSED PHASE 1 AREA							
Tc =	1.67 x	L^0.8 (S+1) ^ 0.7	0.01521	HRS OR	**5.0**	**MINUTES**	
		1900Y^0.5					
A =	0.05	AC					
L =	35	FT (MAX HYDRAULIC LENGTH = 209 x A ^0.6)					
CN =	92						
S =	0.869565						
Y =	2.33	% (AVERAGE SLOPE)					
PROPOSED PHASE 2 AREA							
Tc =	1.67 x	L^0.8 (S+1) ^ 0.7	0.020277	HRS OR	**5.0**	**MINUTES**	
		1900Y^0.5					
A =	0.10	AC					
L =	52	FT (MAX HYDRAULIC LENGTH = 209 x A ^0.6)					
CN =	93						
S =	0.752688						
Y =	2.33	% (AVERAGE SLOPE)					
PROPOSED PHASE 3 AREA							
Tc =	1.67 x	L^0.8 (S+1) ^ 0.7	0.024633	HRS OR	**5.0**	**MINUTES**	
		1900Y^0.5					
A =	0.15	AC					
L =	67	FT (MAX HYDRAULIC LENGTH = 209 x A ^0.6)					
CN =	93						
S =	0.752688						
Y =	2.33	% (AVERAGE SLOPE)					

Attachment: SP-1994-18_B_application_032025 (29950 : SP-1994-18B, 1880 Eggert Road)

Full Flow Pipe Size Calculator

Q = 1.49 * R^(2/3) * S^(1/2) * A / N

PHASE 1 ROOF DRAIN

		OVERT	RIM	COVER
Enter Pipe diameter (ft)====>	0.33			
Enter total length (ft) ======>	7			
Enter Elevation upstream ===>	594.18	594.51	598.40	3.89
Enter Elevation Downstream =>	594.11	594.44	598.26	3.82
Enter Manning's n value=====>	0.011			

PIPE DIAMETER =	4	INCHES	26.12	
TOTAL PIPE VOLUME =	1	CU FT		
FULL Pwet = CIRCUM =	1.05	FT		
AREA =	0.09	SQ FT		
Rhyd =	0.08	FT		
SLOPE =	0.94%			
RADIUS =	0.1665	FT		
PIPE TIME =	3	SEC. =	0.0	MIN.
Q =	0.22	c.f.s. =	98.65	GPM)
V =	2.50	FT/SEC		

(VELOCITY SHOULD BE ≥ 2.5 ft/sec FOR SELF-CLEANING)

AUTO PIPE SLOPER (LANDSCAPED & PAVED AREA)

AREA =	499	SQ FT	
SLOPE =	2.33	%	
DISTANCE =	76.87088	FT	
C =	0.95		
Tc =	1.79	MIN	
I =	7.0	in./hr.	
A =	0.01	AC	
Q =	**0.08**	**cfs**	

DESC.	C
GRASS	0.27
PAVED	0.95

Attachment: SP-1994-18_B_application_032025 (29950 : SP-1994-18B, 1880 Eggert Road)

PHASE 2 ROOF DRAIN

			TOP		
Enter Pipe diameter (ft)====>	0.33				
Enter total length (ft) ======>	8	OVERT	RIM	COVER	
Enter Elevation upstream ===>	596.44	596.77	598.40	1.63	
Enter Elevation Downstream =>	596.36	596.69	598.10	1.41	
Enter Manning's n value=====>	0.011				
PIPE DIAMETER =	4	INCHES	26.12		
TOTAL PIPE VOLUME =	1	CU FT			
FULL Pwet = CIRCUM =	1.05	FT			
AREA =	0.09	SQ FT			
Rhyd =	0.08	FT			
SLOPE =	0.94%				
RADIUS =	0.1665	FT			
PIPE TIME =	3	SEC. =	0.1	MIN.	
Q =	0.22	c.f.s. =	98.65	GPM)	
V =	2.50	FT/SEC			

(VELOCITY SHOULD BE ≥ 2.5 ft/sec FOR SELF-CLEANING)

AUTO PIPE SLOPER (LANDSCAPED & PAVED AREA)

				DESC.	C
AREA =	728	SQ FT		GRASS	0.27
SLOPE =	2.33	%		PAVED	0.95
DISTANCE =	924.71587	FT			
C =	0.95				
Tc =	6.19	MIN			
I =	5.0	in./hr.			
A =	0.02	AC			
Q =	**0.08**	**cfs**			

Attachment: SP-1994-18_B_application_032025 (29950 : SP-1994-18B, 1880 Eggert Road)

PHASE 3 ROOF DRAIN

			TOP		
Enter Pipe diameter (ft)====>	0.50				
Enter total length (ft) ======>	10	OVERT	RIM	COVER	
Enter Elevation upstream ===>	595.52	596.02	597.75	1.73	
Enter Elevation Downstream =>	595.47	595.97	597.80	1.83	
Enter Manning's n value=====>	0.011				
PIPE DIAMETER =	6	INCHES	26.12		
TOTAL PIPE VOLUME =	2	CU FT			
FULL Pwet = CIRCUM =	1.57	FT			
AREA =	0.20	SQ FT			
Rhyd =	0.13	FT			
SLOPE =	0.54%				
RADIUS =	0.25	FT			
PIPE TIME =	4	SEC. =	0.1	MIN.	
Q =	0.49	c.f.s. =	221.05	GPM)	
V =	2.49	FT/SEC			

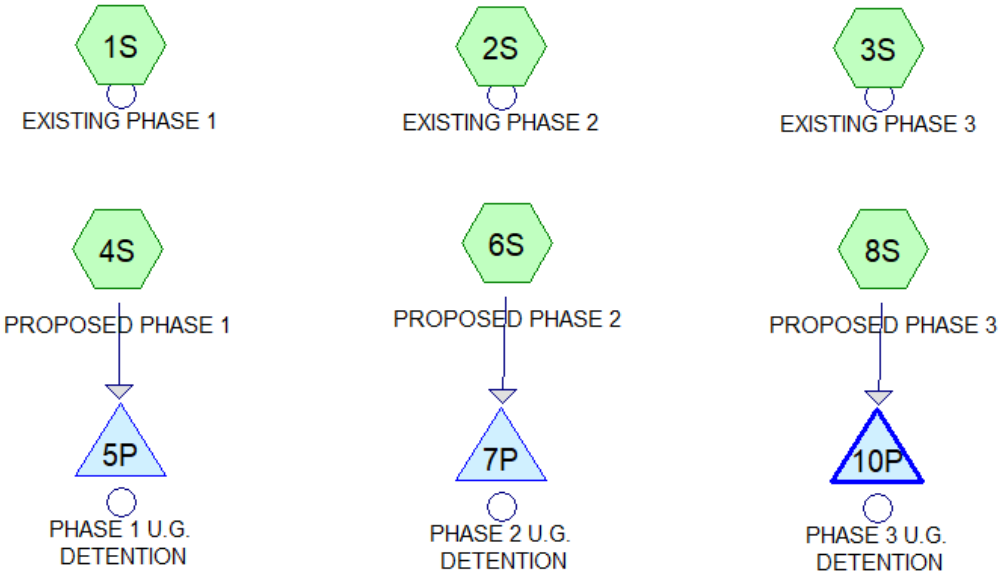
(VELOCITY SHOULD BE ≥ 2.5 ft/sec FOR SELF-CLEANING)

AUTO PIPE SLOPER (LANDSCAPED & PAVED AREA)

AREA =	3040	SQ FT		DESC.	C
SLOPE =	2.33	%		GRASS	0.27
DISTANCE =	602.7297	FT		PAVED	0.95
C =	0.95				
Tc =	5.00	MIN			
I =	5.4	in./hr.			
A =	0.07	AC			
Q =	**0.36**	**cfs**			

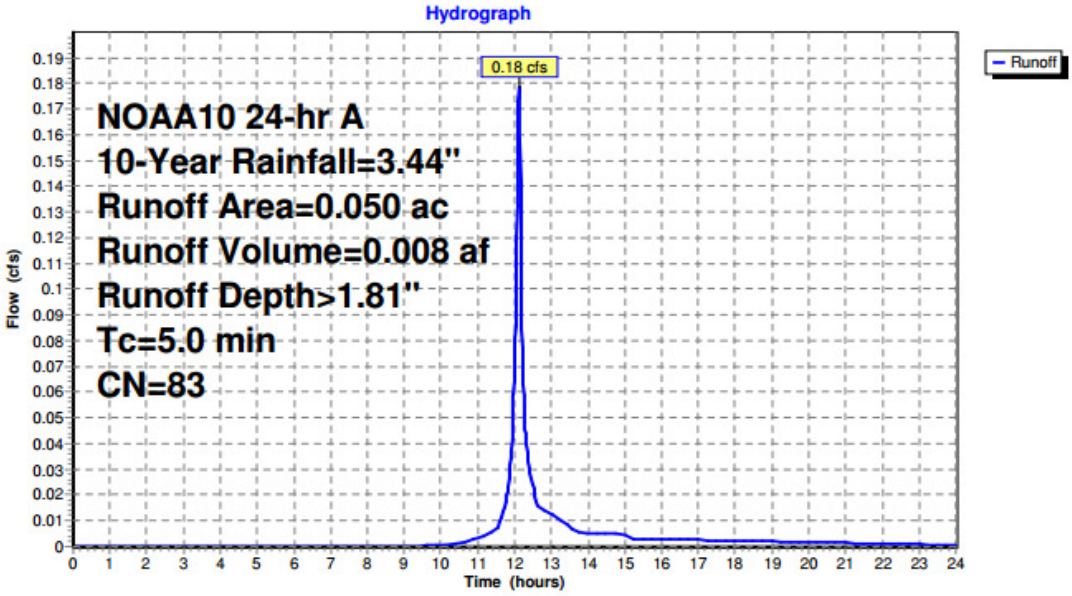
Attachment: SP-1994-18_B_application_032025 (29950 : SP-1994-18B, 1880 Eggert Road)

HYDROCAD MODEL DIAGRAM



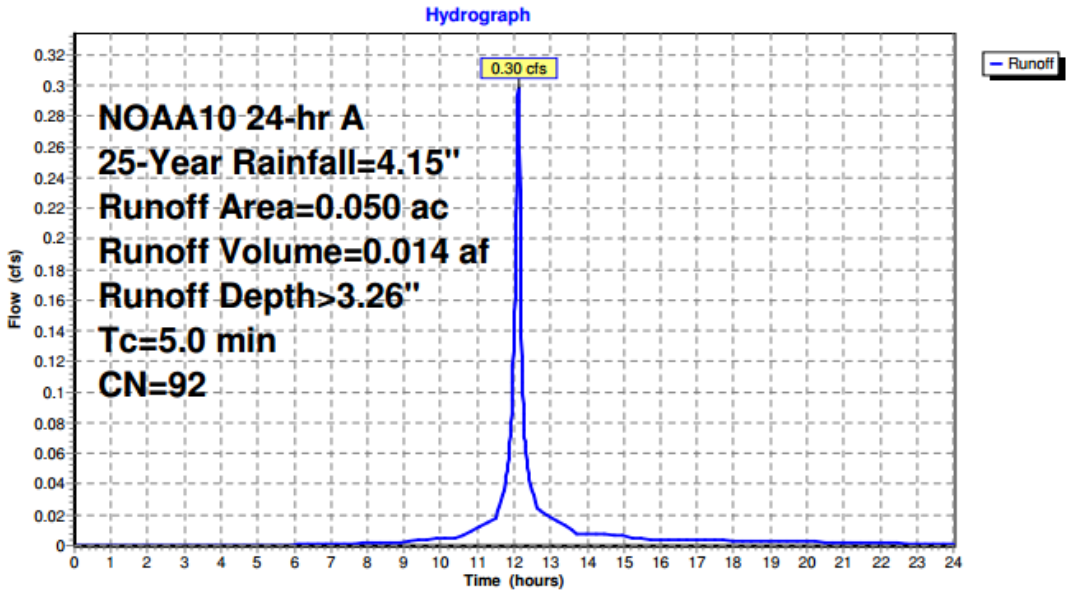
Attachment: SP-1994-18_B_application_032025 (29950 : SP-1994-18B, 1880 Eggert Road)

Subcatchment 1S: EXISTING PHASE 1



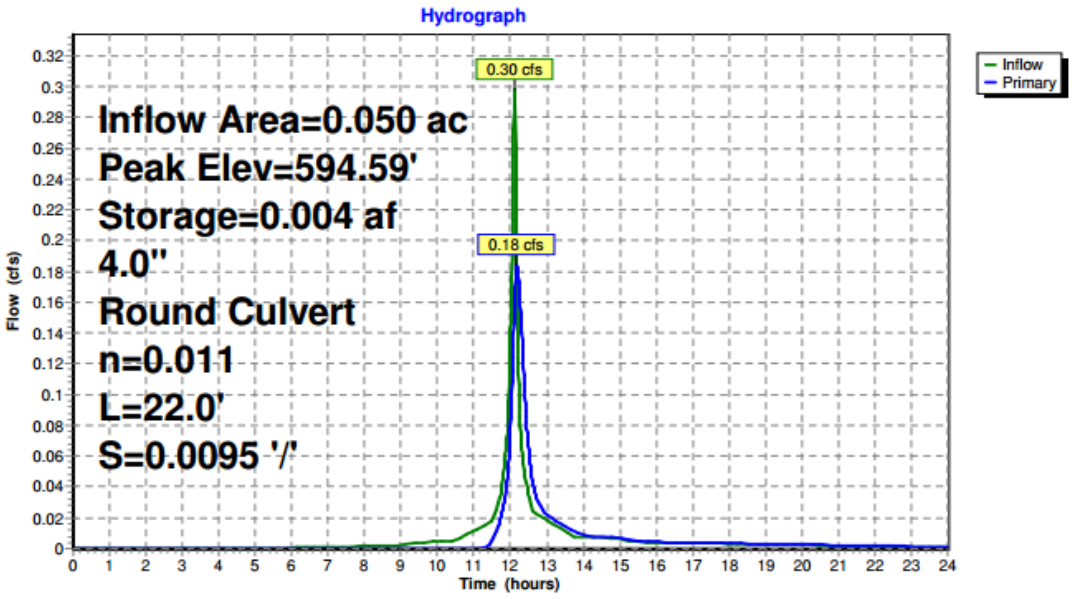
Attachment: SP-1994-18_B_application_032025 (29950 : SP-1994-18B, 1880 Eggert Road)

Subcatchment 4S: PROPOSED PHASE 1



Attachment: SP-1994-18_B_application_032025 (29950 : SP-1994-18B, 1880 Eggert Road)

Pond 5P: PHASE 1 U.G. DETENTION



Attachment: SP-1994-18_B_application_032025 (29950 : SP-1994-18B, 1880 Eggert Road)

Summary for Pond 5P: PHASE 1 U.G. DETENTION

Inflow Area = 0.050 ac, 60.00% Impervious, Inflow Depth > 3.26" for 25-Year event
Inflow = 0.30 cfs @ 12.12 hrs, Volume= 0.014 af
Outflow = 0.18 cfs @ 12.18 hrs, Volume= 0.012 af, Atten= 38%, Lag= 3.3 min
Primary = 0.18 cfs @ 12.18 hrs, Volume= 0.012 af

Routing by Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 594.59' @ 12.18 hrs Surf.Area= 0.007 ac Storage= 0.004 af

Plug-Flow detention time= 86.4 min calculated for 0.012 af (88% of inflow)
Center-of-Mass det. time= 37.4 min (817.0 - 779.6)

Volume	Invert	Avail.Storage	Storage Description
#1A	593.61'	0.008 af	**30.00'W x 10.74'L x 3.50'H Field A** 0.026 af Overall - 0.007 af Embedded = 0.019 af x 40.0% Voids
#2A	594.11'	0.007 af	**ADS_StormTech SC-740 b +Cap** x 6 Inside #1 Effective Size= 44.6"W x 30.0"H => 6.45 sf x 7.12'L = 45.9 cf Overall Size= 51.0"W x 30.0"H x 7.56'L with 0.44' Overlap 6 Chambers in 6 Rows Cap Storage= 2.7 cf x 2 x 6 rows = 31.9 cf
		0.015 af	Total Available Storage

Storage Group A created with Chamber Wizard

Device	Routing	Invert	Outlet Devices
#1	Primary	594.11'	**4.0" Round 4" OUTLET** L= 22.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 594.11' / 593.90' S= 0.0095 '/' Cc= 0.900 n= 0.011, Flow Area= 0.09 sf

Primary OutFlow Max=0.18 cfs @ 12.18 hrs HW=594.59' (Free Discharge)
↑—**1=4" OUTLET** (Inlet Controls 0.18 cfs @ 2.11 fps)

Attachment: SP-1994-18_B_applicatiion_032025 (29950 : SP-1994-18B, 1880 Eggert Road)

Pond 5P: PHASE 1 U.G. DETENTION - Chamber Wizard Field A

Chamber Model = ADS_StormTech SC-740 b +Cap (ADS StormTech® SC-740 with cap storage)
Effective Size= 44.6"W x 30.0"H => 6.45 sf x 7.12'L = 45.9 cf
Overall Size= 51.0"W x 30.0"H x 7.56'L with 0.44' Overlap
Cap Storage= 2.7 cf x 2 x 6 rows = 31.9 cf

51.0" Wide + 6.0" Spacing = 57.0" C-C Row Spacing

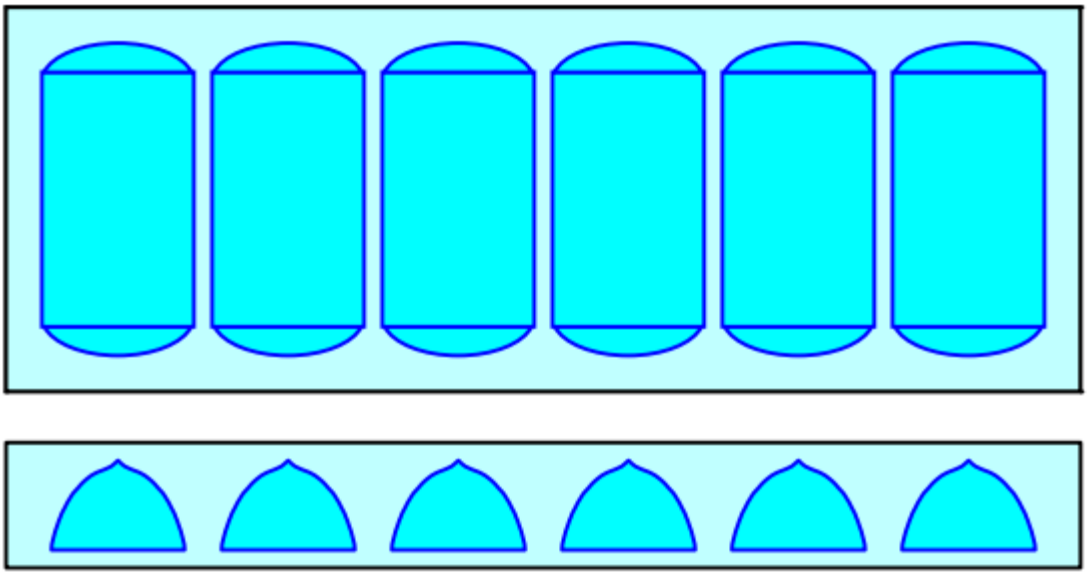
1 Chambers/Row x 7.12' Long +0.81' Cap Length x 2 = 8.74' Row Length +12.0" End Stone x 2 = 10.74' Base Length
6 Rows x 51.0" Wide + 6.0" Spacing x 5 + 12.0" Side Stone x 2 = 30.00' Base Width
6.0" Stone Base + 30.0" Chamber Height + 6.0" Stone Cover = 3.50' Field Height

6 Chambers x 45.9 cf + 2.7 cf Cap Volume x 2 x 6 Rows = 307.5 cf Chamber Storage

1,127.3 cf Field - 307.5 cf Chambers = 819.8 cf Stone x 40.0% Voids = 327.9 cf Stone Storage

Chamber Storage + Stone Storage = 635.4 cf = 0.015 af
Overall Storage Efficiency = 56.4%
Overall System Size = 10.74' x 30.00' x 3.50'

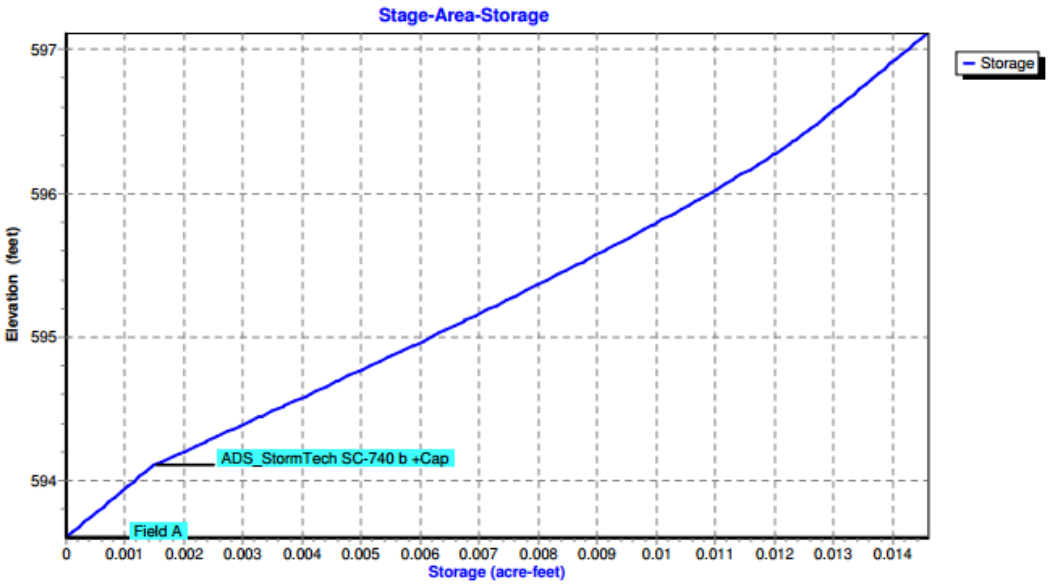
6 Chambers
41.8 cy Field
30.4 cy Stone



Attachment: SP-1994-18_B_application_032025 (29950 : SP-1994-18B, 1880 Eggert Road)

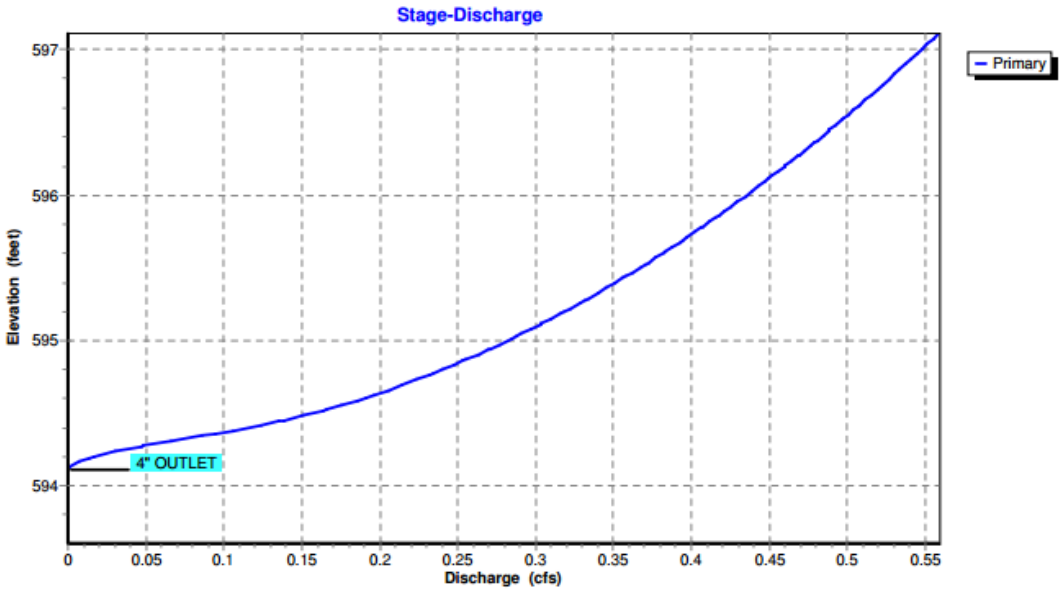
25-1-6-HYDROGRAPHS *NOAA10 24-hr A 25-Year Rainfall=4.15"*
Prepared by Studio T3 Engineering PLLC Printed 1/13/2025
HydroCAD® 10.20-5c s/n 05825 © 2023 HydroCAD Software Solutions LLC

Pond 5P: PHASE 1 U.G. DETENTION



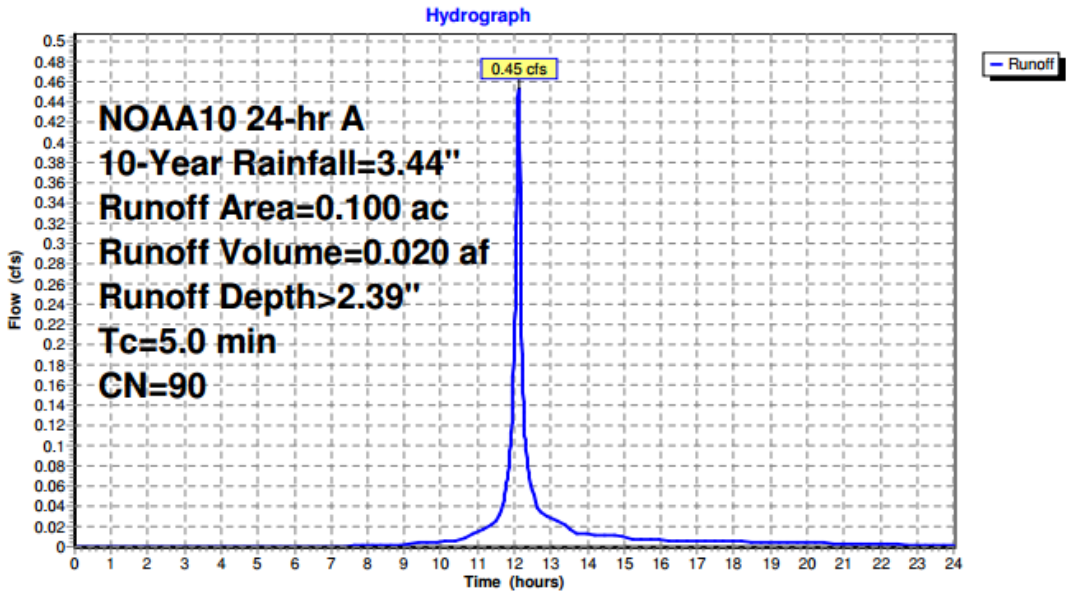
Attachment: SP-1994-18_B_application_032025 (29950 : SP-1994-18B, 1880 Eggert Road)

Pond 5P: PHASE 1 U.G. DETENTION



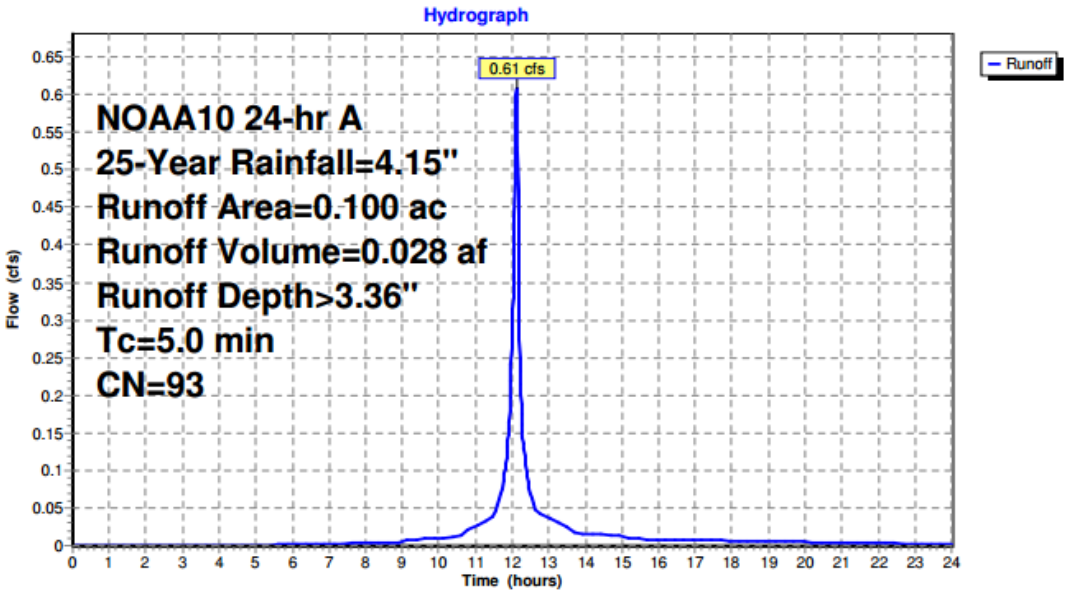
Attachment: SP-1994-18_B_application_032025 (29950 : SP-1994-18B, 1880 Eggert Road)

Subcatchment 2S: EXISTING PHASE 2



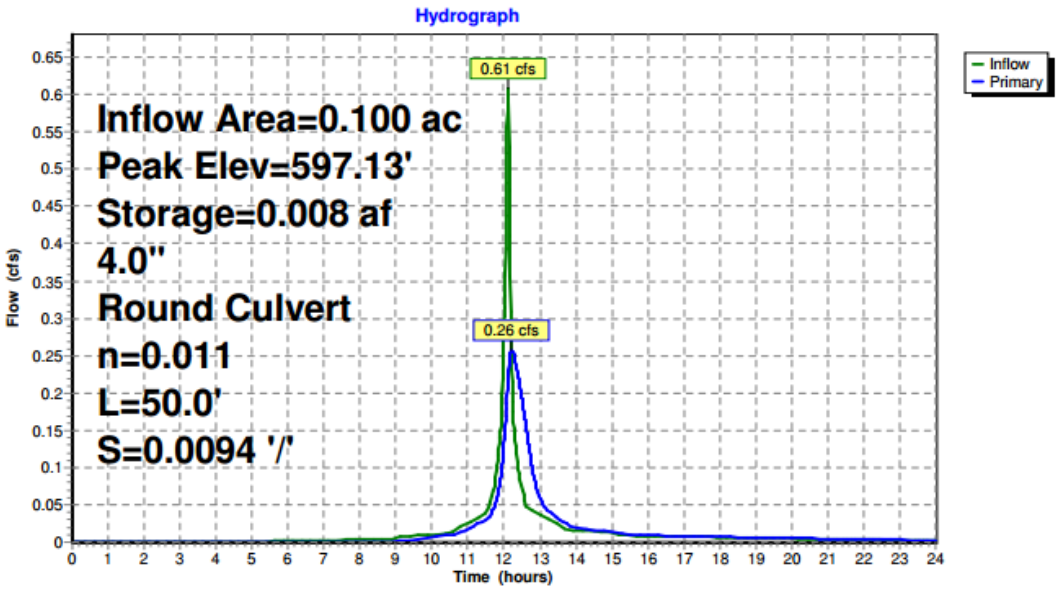
Attachment: SP-1994-18_B_application_032025 (29950 : SP-1994-18B, 1880 Eggert Road)

Subcatchment 6S: PROPOSED PHASE 2



Attachment: SP-1994-18_B_application_032025 (29950 : SP-1994-18B, 1880 Eggert Road)

Pond 7P: PHASE 2 U.G. DETENTION



Attachment: SP-1994-18_B_application_032025 (29950 : SP-1994-18B, 1880 Eggert Road)

Summary for Pond 7P: PHASE 2 U.G. DETENTION

Inflow Area = 0.100 ac, 70.00% Impervious, Inflow Depth > 3.36" for 25-Year event
Inflow = 0.61 cfs @ 12.12 hrs, Volume= 0.028 af
Outflow = 0.26 cfs @ 12.21 hrs, Volume= 0.027 af, Atten= 58%, Lag= 5.2 min
Primary = 0.26 cfs @ 12.21 hrs, Volume= 0.027 af

Routing by Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 597.13' @ 12.21 hrs Surf.Area= 0.010 ac Storage= 0.008 af

Plug-Flow detention time= 48.9 min calculated for 0.027 af (97% of inflow)
Center-of-Mass det. time= 30.1 min (805.9 - 775.8)

Volume	Invert	Avail.Storage	Storage Description
#1	596.29'	0.009 af	**6.00'W x 72.00'L x 1.00'H PHASE 2 U.G. DETENTION** 0.010 af Overall x 93.0% Voids

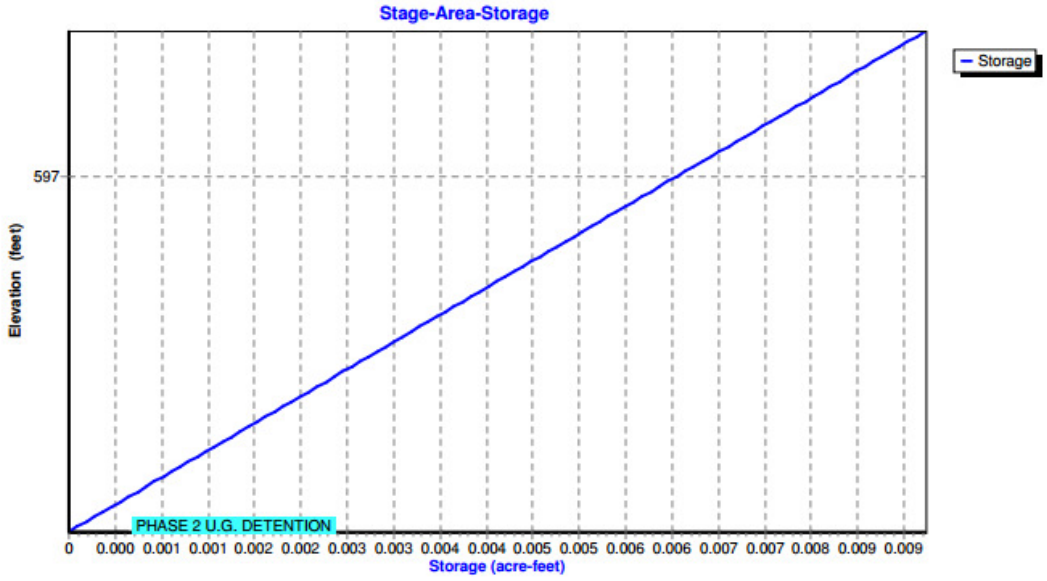
Device	Routing	Invert	Outlet Devices
#1	Primary	596.36'	**4.0" Round 4" OUTLET** L= 50.0' CMP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 596.36' / 595.89' S= 0.0094 '/' Cc= 0.900 n= 0.011, Flow Area= 0.09 sf

Primary OutFlow Max=0.26 cfs @ 12.21 hrs HW=597.13' (Free Discharge)
↑**1=4" OUTLET** (Barrel Controls 0.26 cfs @ 2.94 fps)

25-1-6-HYDROGRAPHS *NOAA10 24-hr A 25-Year Rainfall=4.15"*
Prepared by Studio T3 Engineering PLLC Printed 1/13/2025
HydroCAD® 10.20-5c s/n 05825 © 2023 HydroCAD Software Solutions LLC

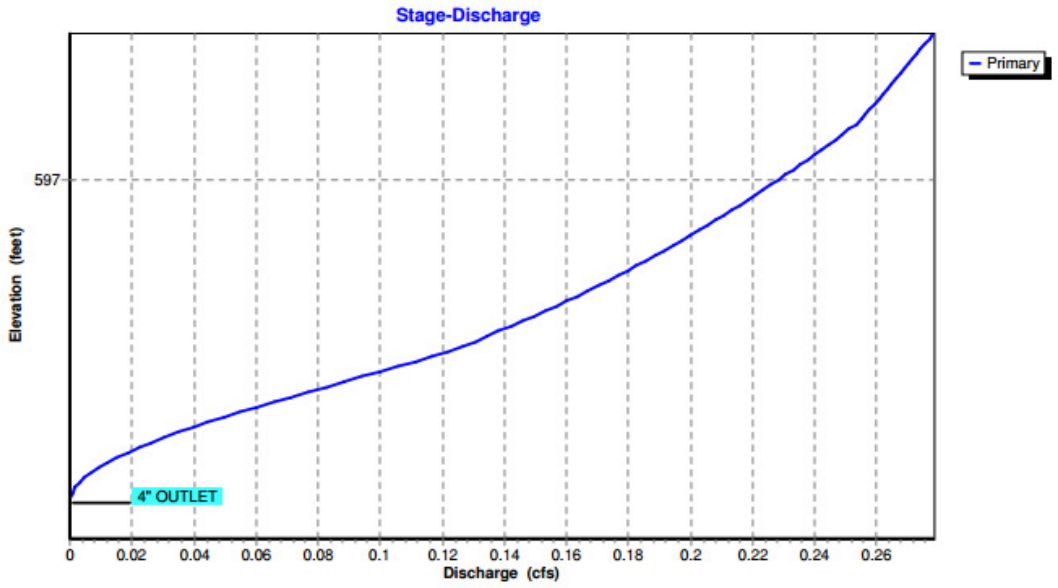
Attachment: SP-1994-18_B_application_032025 (29950 : SP-1994-18B, 1880 Eggert Road)

Pond 7P: PHASE 2 U.G. DETENTION



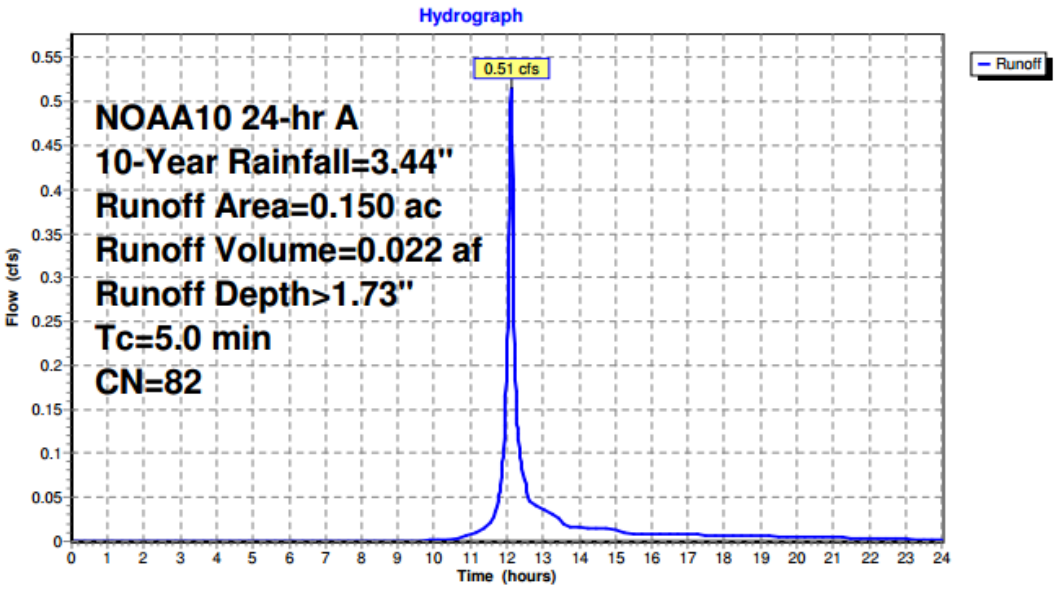
Attachment: SP-1994-18_B_application_032025 (29950 : SP-1994-18B, 1880 Eggert Road)

Pond 7P: PHASE 2 U.G. DETENTION



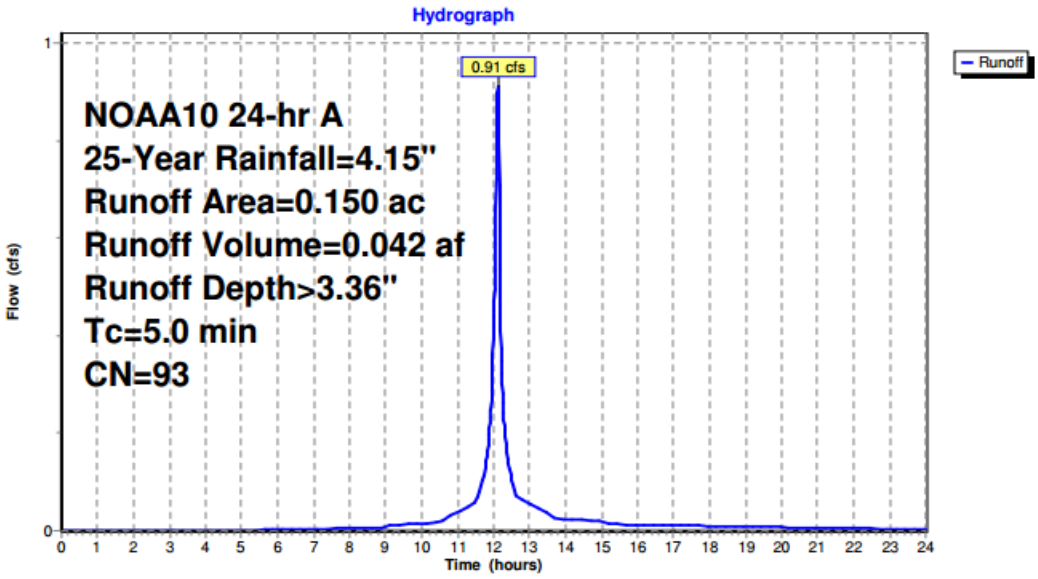
Attachment: SP-1994-18_B_application_032025 (29950 : SP-1994-18B, 1880 Eggert Road)

Subcatchment 3S: EXISTING PHASE 3



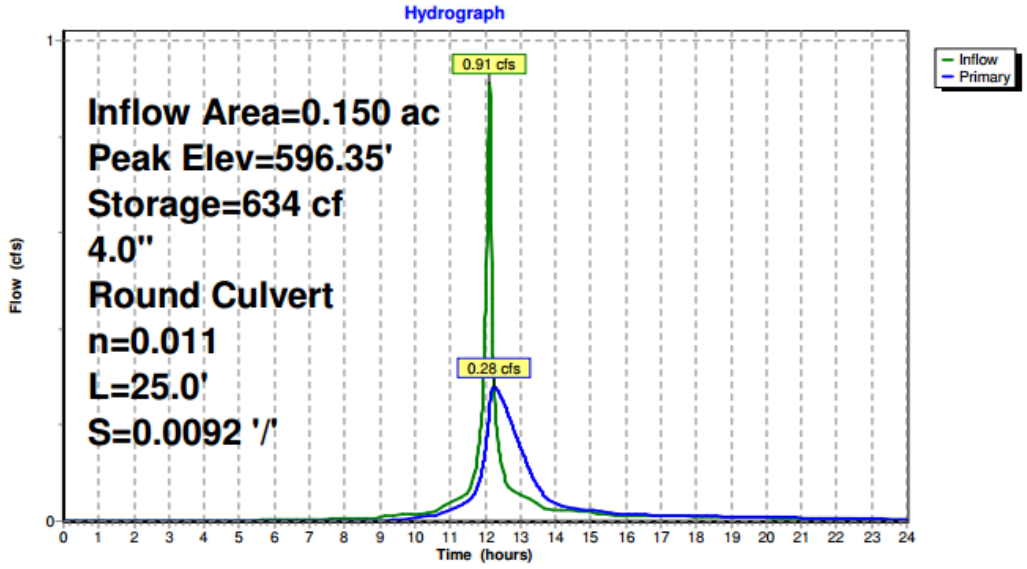
Attachment: SP-1994-18_B_application_032025 (29950 : SP-1994-18B, 1880 Eggert Road)

Subcatchment 8S: PROPOSED PHASE 3



Attachment: SP-1994-18_B_application_032025 (29950 : SP-1994-18B, 1880 Eggert Road)

Pond 10P: PHASE 3 U.G. DETENTION



Attachment: SP-1994-18_B_application_032025 (29950 : SP-1994-18B, 1880 Eggert Road)

Summary for Pond 10P: PHASE 3 U.G. DETENTION

Inflow Area = 0.150 ac, 66.67% Impervious, Inflow Depth > 3.36" for 25-Year event
Inflow = 0.91 cfs @ 12.12 hrs, Volume= 0.042 af
Outflow = 0.28 cfs @ 12.25 hrs, Volume= 0.040 af, Atten= 69%, Lag= 7.8 min
Primary = 0.28 cfs @ 12.25 hrs, Volume= 0.040 af

Routing by Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 596.35' @ 12.25 hrs Surf.Area= 720 sf Storage= 634 cf

Plug-Flow detention time= 63.8 min calculated for 0.040 af (96% of inflow)
Center-of-Mass det. time= 41.6 min (817.4 - 775.8)

Volume	Invert	Avail.Storage	Storage Description
#1	595.40'	670 cf	**10.00'W x 72.00'L x 1.00'H PHASE 3 U.G. DETENTION** 720 cf Overall x 93.0% Voids

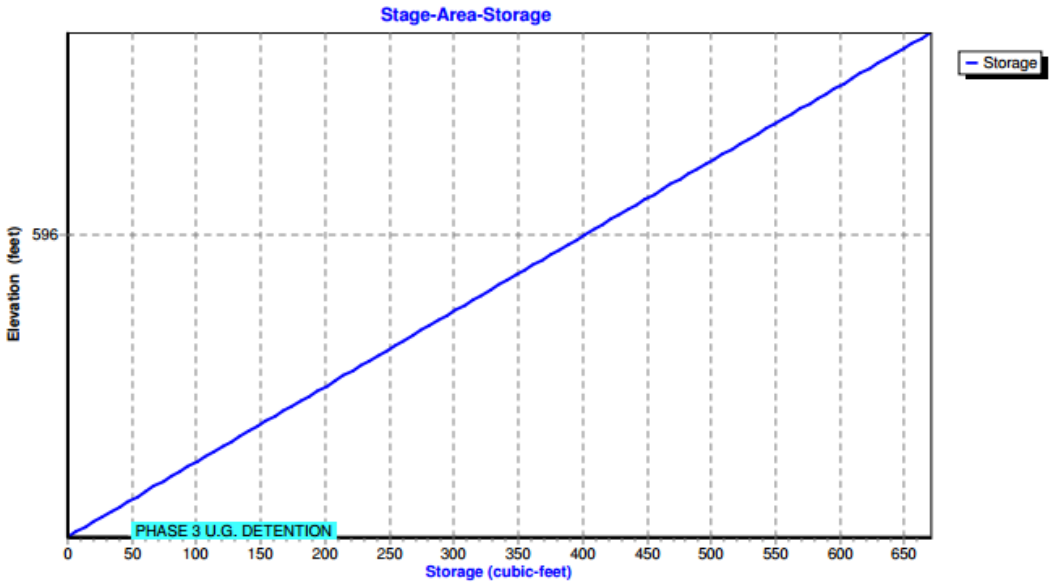
Device	Routing	Invert	Outlet Devices
#1	Primary	595.47'	**4.0" Round 4" OUTLET** L= 25.0' CMP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 595.47' / 595.24' S= 0.0092 '/' Cc= 0.900 n= 0.011, Flow Area= 0.09 sf

Primary OutFlow Max=0.28 cfs @ 12.25 hrs HW=596.35' (Free Discharge)
↑**1=4" OUTLET** (Inlet Controls 0.28 cfs @ 3.20 fps)

25-1-6-HYDROGRAPHS *NOAA10 24-hr A 25-Year Rainfall=4.15"*
Prepared by Studio T3 Engineering PLLC Printed 1/13/2025
HydroCAD® 10.20-5c s/n 05825 © 2023 HydroCAD Software Solutions LLC

Attachment: SP-1994-18_B_application_032025 (29950 : SP-1994-18B, 1880 Eggert Road)

Pond 10P: PHASE 3 U.G. DETENTION



Attachment: SP-1994-18_B_application_032025 (29950 : SP-1994-18B, 1880 Eggert Road)

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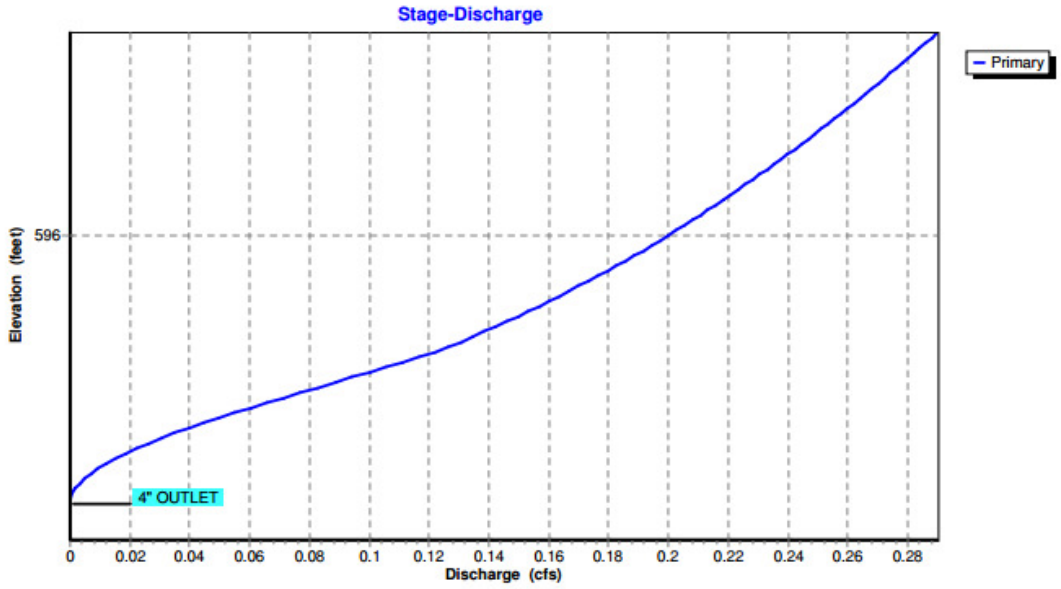

Attachment: SP-1994-18_B_application_032025 (29950 : SP-1994-18B, 1880 Eggert Road)

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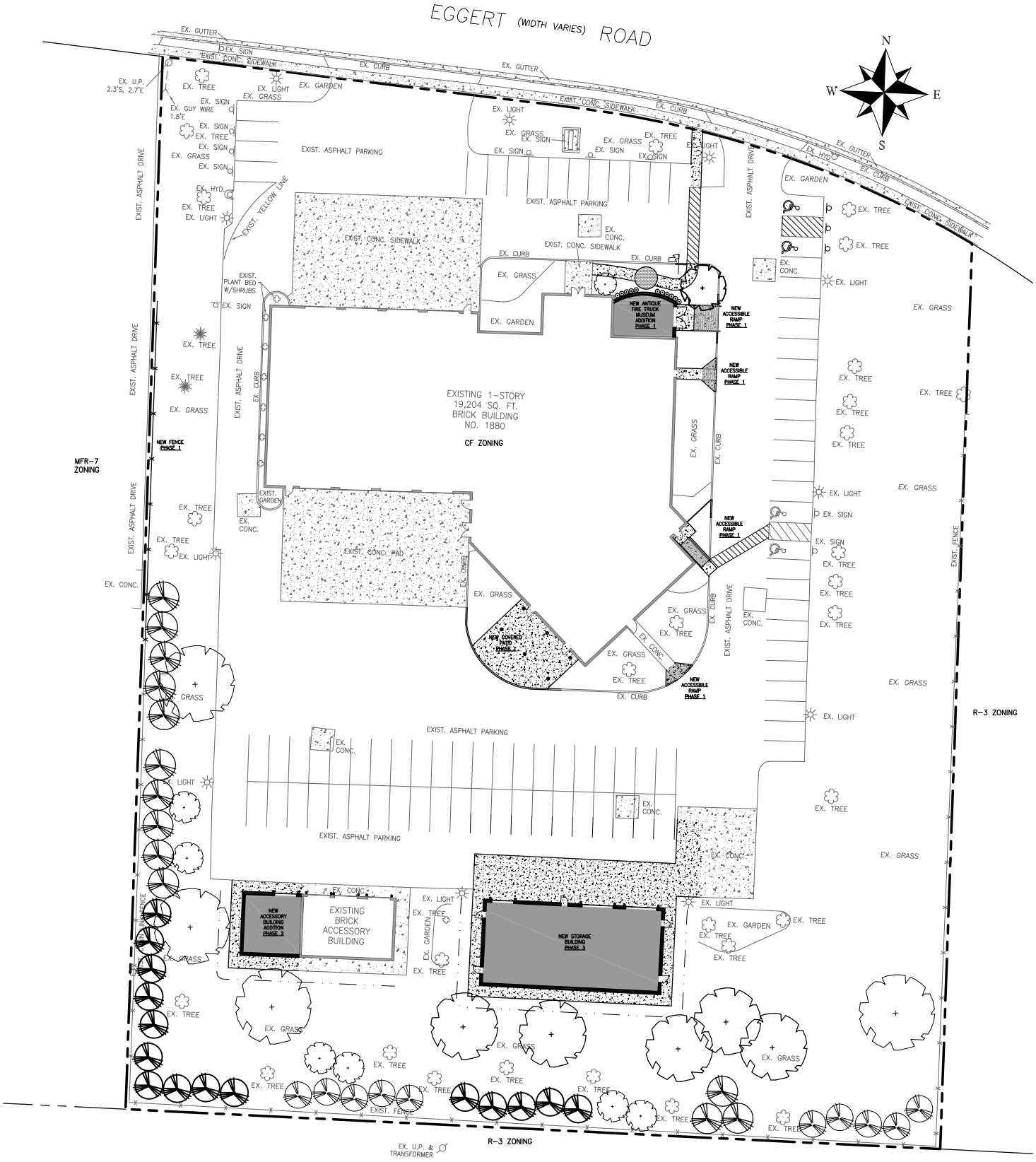

studio T3
Engineering, PLLC

2495 Main Street, Suite 301
Buffalo, New York 14214
Phone: (716) 803-6400
Fax: (716) 810-9504

SKETCH NAME: 8-1/2" x 11" SITE PLAN JOB NAME: EGGERTSVILLE HOSE CO.				SKETCH NO: 8.5" x 11"
JOB NO. 23-194A	SCALE: 1" = 60'	DATE: 1/19/25	DRAWN BY: AVT	REVISED BY: AVT

Attachment: SP-1994-18_B_drawings_032025 (29950 : SP-1994-18B, 1880 Eggert Road)

NOTES

1. FOR REFERENCE INFORMATION SEE TOPOGRAPHIC SURVEY PREPARED BY FRANDINA ENGINEERING & SURVEYING DATED FEBRUARY 7, 2024 AND IDENTIFIED AS JOB NO. 4954, INCLUDED WITH THIS SET OF SITE PLANS.
2. ALL CONSTRUCTION SHALL CONFORM TO TOWN OF AMHERST STANDARDS AND NEW YORK STATE CODE REQUIREMENTS, AS WELL AS THE LATEST A.I.S.C., A.C.I., AND A.S.T.M. STANDARDS. WHERE CODES OVERLAP, THE CONTRACTOR SHALL COMPLY WITH THE MORE STRINGENT CODE.
3. WHERE A SPECIFIC MANUFACTURER'S PRODUCT IS CALLED OUT ON THIS SHEET OR ANY OTHER PLAN IN THIS SET OF DRAWINGS, THE CONTRACTOR MUST COMPLY WITH THE MANUFACTURER'S LATEST PRINTED INSTRUCTIONS AND RECOMMENDATIONS FOR INSTALLATION.
4. ANY TEMPORARY TRAFFIC CONTROL AND WARNING SIGNS SHALL CONFORM TO N.Y.S.D.O.T. MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.
5. THE CONTRACTOR SHALL MAINTAIN ACCESSIBLE PASSAGEWAYS FOR TRAFFIC AND PEDESTRIANS TO ADJACENT EXISTING RESIDENCES AND BUSINESSES WHICH WILL REMAIN IN OPERATION THROUGHOUT THE DURATION OF THE CONSTRUCTION.
6. ANY CAST–IN–PLACE CONCRETE SHALL CONFORM TO N.Y.S.D.O.T. STANDARD SPECIFICATIONS (SECTION 501). USE CLASS "C" FOR APRONS OR STRUCTURAL SLABS. USE CLASS "D" FOR SIDEWALKS AND ALL OTHER GENERAL PURPOSE CONCRETE PAVEMENT ON SITE. CEMENT USED TO PRODUCE CONCRETE SHALL CONFORM WITH BOTH ACI 318 AND ASTM C1157. CONCRETE SHALL HAVE A SLUMP OF NO MORE THAN 5" AND AN AIR ENTRAINMENT OF 4–6%.
7. ALL NEW CONCRETE CURBS, SIDEWALKS, APRONS, AND PADS SHALL BE CURED USING A CURING COMPOUND CONFORMING TO A.S.T.M. C309.
8. EXISTING ASPHALT PAVEMENT TO REMAIN SHALL BE RESEALED WITH AN ASPHALT–BASED EMULSION NOT CONTAINING COAL–TAR (RT–12), BEFORE RE–STRIPING.
9. ANY DEVIATION FROM ANY PLANS IN THIS DRAWING SET SHALL REQUIRE APPROVAL OF THE DESIGN ENGINEER (STUDIO T3) AND THE TOWN OF AMHERST PLANNING AND BUILDING DEPARTMENTS, AS WELL AS THE APPROPRIATE UTILITY COMPANIES AND SERVICE PROVIDERS. ANY AND ALL CHANGES MADE WITHOUT NOTIFICATION OR APPROVAL OF THE DESIGN ENGINEER (STUDIO T3) SHALL BE CONSIDERED UNAUTHORIZED AND THE DESIGN ENGINEER (STUDIO T3) SHALL NOT BE LIABLE FOR ANY DAMAGES, DELAYS, ADDITIONAL COSTS INCURRED, OR ANY OTHER CONSEQUENCES ARISING FROM SUCH CHANGES.
10. THE DESIGN ENGINEER (STUDIO T3) SHALL BE IMMEDIATELY CONTACTED UPON DISCOVERY OF ANY ABOVEGROUND OR BELOW GROUND OBJECTS NOT SHOWN ON THE BACKGROUND SURVEY THAT ARE UNCOVERED DURING EXCAVATION OR CONSTRUCTION (BUILDING FOUNDATIONS, BURIED VAULTS, TREES, SIDEWALKS, PAVEMENT, RAILINGS, SIGNS, STOCKPILES, STUMPS, OR SIMILAR) WHICH WILL INTERFERE OR CONFLICT WITH ANY PROPOSED WORK SHOWN ON THESE PLANS. WORK SHALL BE IMMEDIATELY SUSPENDED AND NOT COMMENCE UNTIL SUCH DISCOVERED OBJECTS ARE IDENTIFIED AND THE DESIGN ENGINEER (STUDIO T3) ISSUES EITHER A WRITTEN APPROVAL OR A SIGNED REVISED PLAN. AN UNDERGROUND UTILITY SURVEY MAY BE DONE PRIOR TO EXCAVATION AND CONSTRUCTION IN ORDER TO ELIMINATE DELAYS RESULTING FROM INTERFERENCE WITH UN–DOCUMENTED OR UN–LOCATED BURIED UTILITIES ENCOUNTERED
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12. ANY DAMAGED PROPERTY WITHIN THE PROJECT SITE OR ADJACENT PROJECT SITES SHALL BE RESTORED IN KIND.
13. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PAYING ALL NECESSARY FEES AND OBTAINING ALL NECESSARY PERMITS PRIOR TO THE START OF CONSTRUCTION. CONTACT TOWN OF AMHERST BUILDING DEPARTMENT (716) 631–7080 FOR INSTRUCTIONS, PERMIT APPLICATIONS, AND FEES.
14. ALL CONTRACTORS AND SUBCONTRACTORS SHALL BE INSURED AND LICENSED IN THE STATE OF NEW YORK, THE COUNTY OF ERIE, AND THE TOWN OF AMHERST.

CODE & SITE DATA

TOTAL PARCEL = 3.69 ACRES
SITE DISTURBANCE AREA = 0.25 ACRES
ZONED: CF (COMMUNITY FACILITIES)

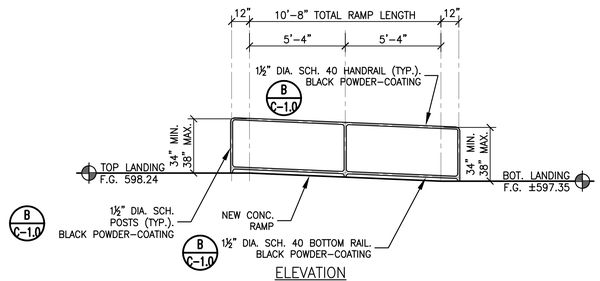
BUILDING SETBACK	REQUIRED	PROVIDED
FRONT	20'–0"	75'–1"
SIDE	15'–0"	48'–3"
REAR	15'–0"	62'–4"

PARKING	REQUIRED	PROVIDED
EXISTING	68 SPACES	82 SPACES
PROPOSED	68 SPACES	81 SPACES
HANDICAP	3 SPACES	4 SPACES

EXIST. BLDG. FOOTPRINT = ±20,377 SQ. FT. (GROSS)
NEW BLDG. FOOTPRINT = 4,267 SQ. FT. (GROSS)
TOTAL BLDG. FOOTPRINT = ±24,644 SQ. FT. (GROSS)

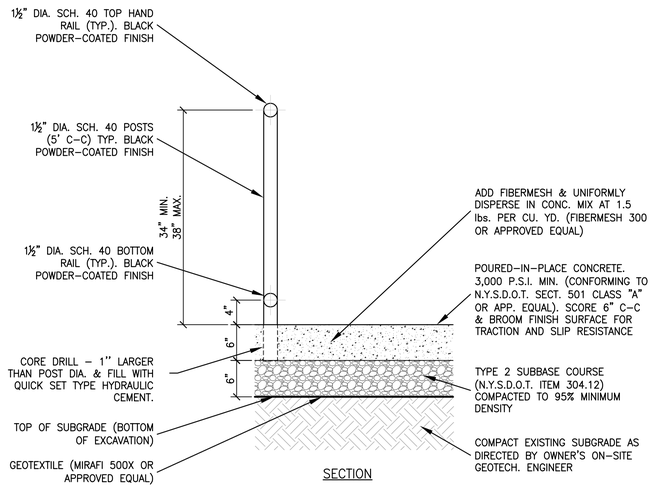
LEGEND

- EXISTING SIGN
- NEW SIGN
- EXISTING FENCE
- NEW FENCE
- EXISTING EDGE OF PAVEMENT
- NEW EDGE OF PAVEMENT
- EXISTING CURB
- NEW CURB (6")
- SITE PARCEL PROPERTY/R.O.W. LINE
- ADJACENT PROPERTY/R.O.W. LINES
- EXISTING UTILITY POLE
- EXISTING FIRE HYDRANT
- EXISTING FLOOD/UP–LIGHT
- EXISTING LIGHT FIXTURE
- EXISTING PARKING SPACE COUNT
- EXISTING CONCRETE AREAS
- NEW CONCRETE AREAS
- NEW ASPHALT AREAS



RAMP HAND RAIL DETAIL (A)

SCALE : 1/4" = 1'–0"
REFER TO CABO/ANSI A117.1 – LATEST EDITION

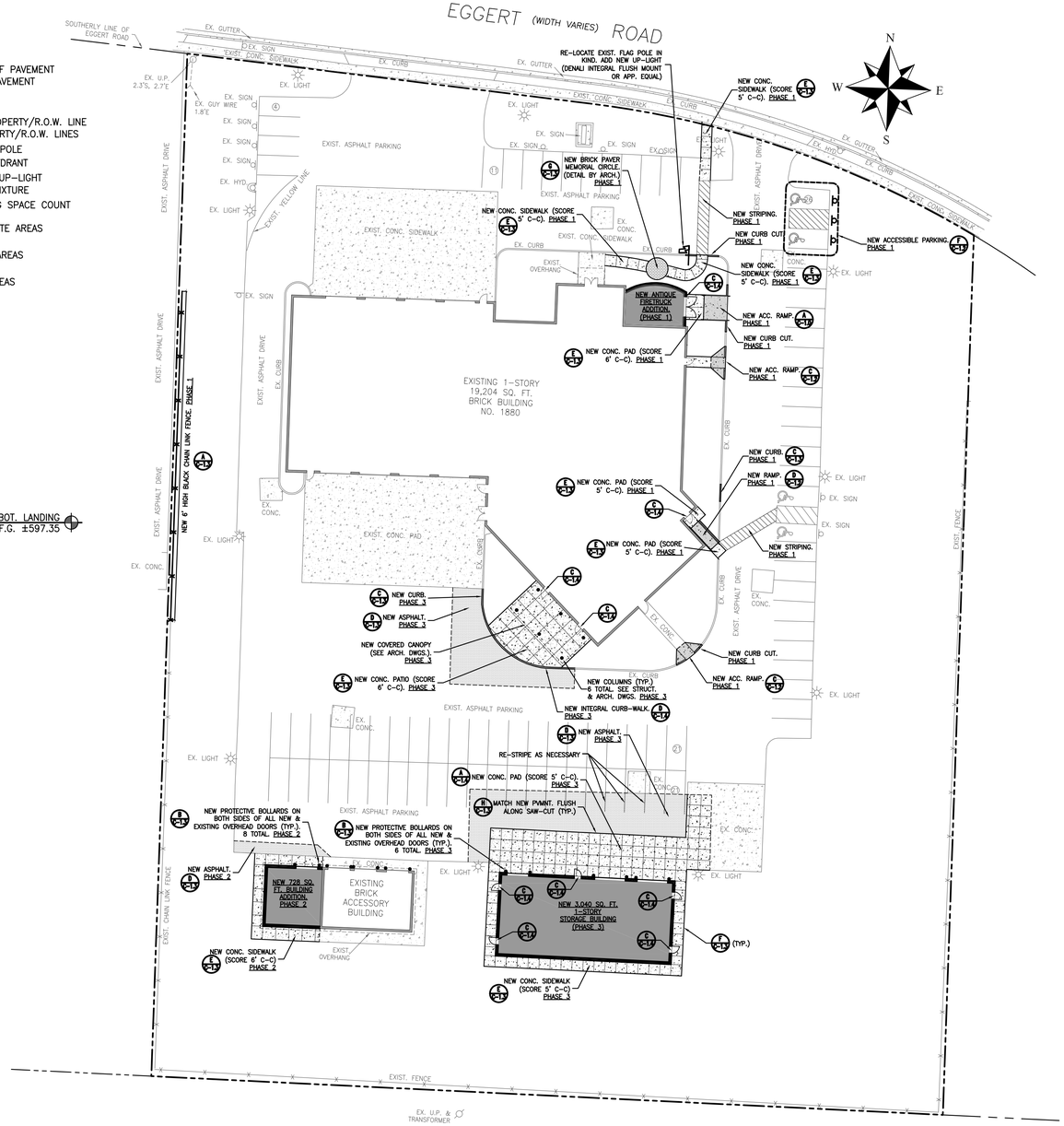


ACCESSIBLE RAMP SECTION (B)

SCALE : 1" = 1'–0"

NOTES

1. ALL CONCRETE AREAS SHALL BE SCORED 5' ON CENTER BY SAW–CUTTING 1" MINIMUM DEPTH.
2. EXPANSION JOINTS IN CONCRETE AREAS SHALL BE NO MORE THAN 25' ON CENTER AND AT INTERFACES BETWEEN DRIVEWAYS, SIDEWALKS, SLABS, AND FOUNDATIONS.
3. ALL SIDEWALK EDGES SHALL BE TOOLED AND SHALL HAVE A 1/4–INCH EDGE RADIUS.
4. INSTALL 1/2–INCH PRE–MOLDED RESILIENT JOINT FILLER AT ALL EXPANSION JOINTS AND AT INTERFACE BETWEEN SIDEWALK AND BUILDING WALLS.
5. CONCRETE SHALL HAVE A SLUMP OF NO MORE THAN 5" AND AN AIR ENTRAINMENT OF 4%–6%. THE USE OF CALCIUM CHLORIDE IS NOT PERMITTED.
6. PROVIDE PROPER CONCRETE PROTECTION IN COLD WEATHER AND MAINTAIN PROPER CURING PROCEDURES IN CONFORMANCE WITH ALL A.C.I. REQUIREMENTS.



SITE LAYOUT & PHASE PLAN

SCALE : 1"= 30'–0"
0 30 60 120

FOR OFFICIAL TOWN OF AMHERST USE

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EGGERTSVILLE HOSE COMPANY
EXTERIOR SITE IMPROVEMENTS
1880 EGGERT ROAD, AMHERST, NY 14226

STAMP/SEAL

1	ISSUED FOR SITE PLAN REV.	1/21/25
2	ISSUED FOR CLIENT REVIEW	1/3/25

SITE LAYOUT & PHASE PLAN

studio T3
Engineering, PLLC
2495 Main Street, Suite 301
Buffalo, New York 14214
Phone: (716) 803-6400
Fax: (716) 810-9504

DRAWN BY: AVT
CHECKED BY: RMT
JOB # 23–194A

SHEET C–1.0

Attachment: SP-1994-18.B. drawings. 032025 (29950 : SP-1994-18B, 1880 Eggert Road)

WARNING: IT IS A VIOLATION OF SECTION 7209, SUBDIVISION 2, OF THE NEW YORK STATE EDUCATION LAW FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED ARCHITECT OR PROFESSIONAL ENGINEER, TO ALTER IN ANY WAY, PLANS, SPECIFICATIONS, OR REPORTS TO WHICH THE SEAL OF A LICENSED ARCHITECT OR PROFESSIONAL ENGINEER HAS BEEN APPLIED.

Attachment: SP-1994-18_B_drawings_032025 (29950 : SP-1994-18B, 1880 Eggert Road)

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ZONED: CF (COMMUNITY FACILITIES)

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EXISTING	68 SPACES	82 SPACES
PROPOSED	68 SPACES	81 SPACES
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EXIST. BLDG. FOOTPRINT = ±20,377 SQ. FT. (GROSS)
NEW BLDG. FOOTPRINT = 4,267 SQ. FT. (GROSS)
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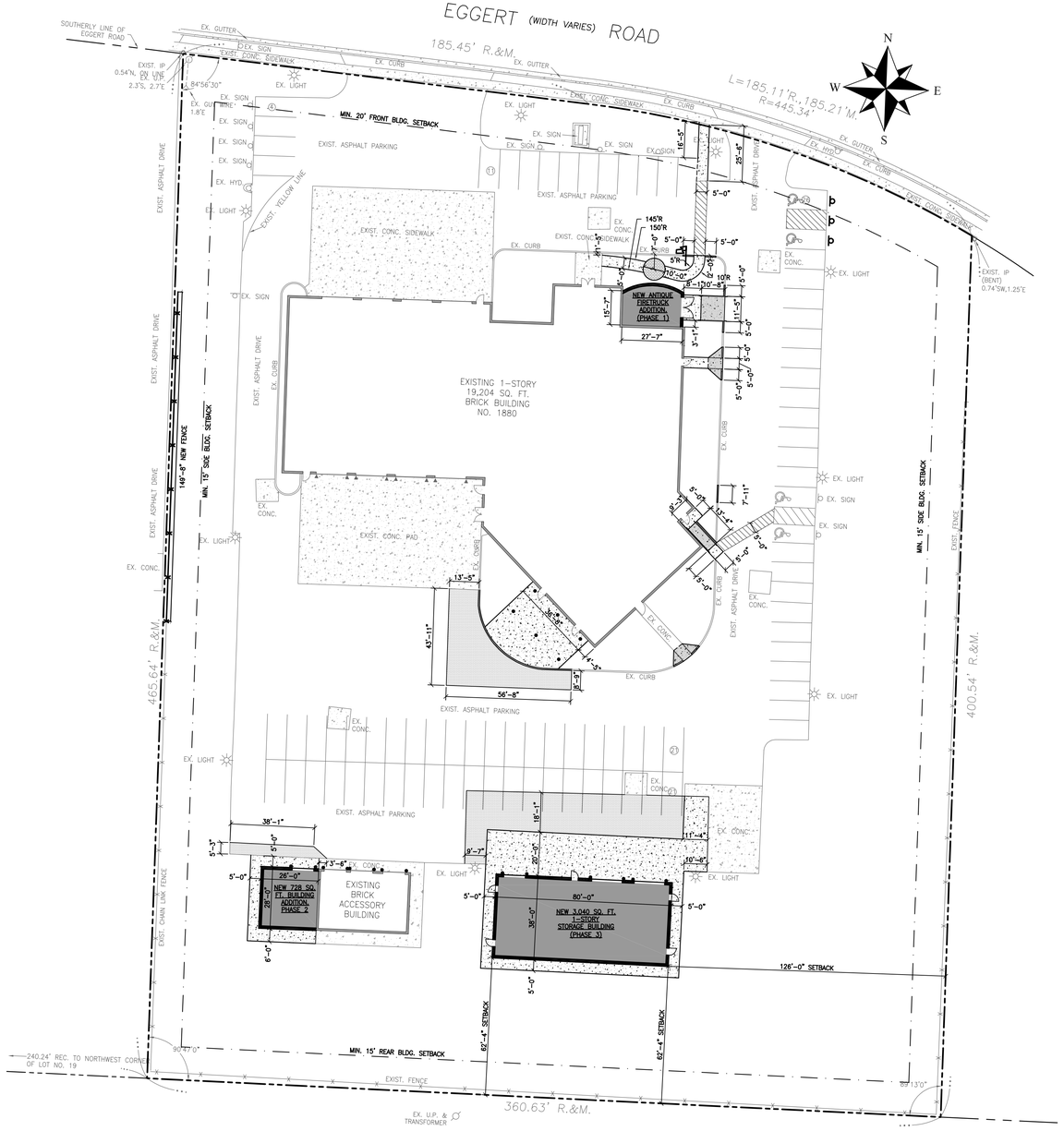
LEGEND

- EXISTING SIGN
- NEW SIGN
- EXISTING FENCE
- NEW FENCE
- EXISTING EDGE OF PAVEMENT
- NEW EDGE OF PAVEMENT
- EXISTING CURB
- NEW CURB (6")
- SITE PARCEL PROPERTY/R.O.W. LINE
- ADJACENT PROPERTY/R.O.W. LINES
- EXISTING UTILITY POLE
- EXISTING FIRE HYDRANT
- EXISTING FLOOD/UP-LIGHT
- EXISTING LIGHT FIXTURE
- EXISTING PARKING SPACE COUNT
- EXISTING CONCRETE AREAS
- NEW CONCRETE AREAS
- NEW ASPHALT AREAS



DIMENSIONAL SITE PLAN

SCALE : 1"= 30'-0"

0 30 60 120

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EGGERTSVILLE HOSE COMPANY
EXTERIOR SITE IMPROVEMENTS
1880 EGGERT ROAD, AMHERST, NY 14226

FOR OFFICIAL TOWN OF AMHERST USE

STAMP/SEAL

1	ISSUED FOR SITE PLAN REV.	1/21/25
2	ISSUED FOR CLIENT REVIEW	1/3/25

DIMENSIONAL SITE PLAN

studio T3
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2495 Main Street, Suite 301
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DRAWN BY: AVT
CHECKED BY: RMT
JOB # 23-194A

SHEET C-1.1

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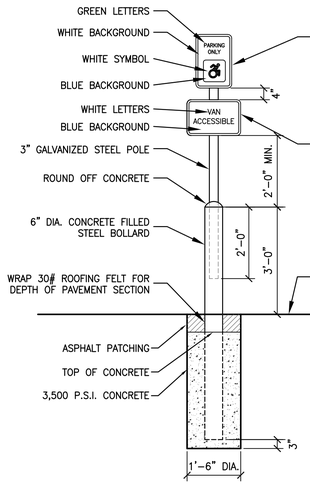
Attachment: SP-1994-18_B_drawings_032025 (29950 : SP-1994-18B, 1880 Eggert Road)

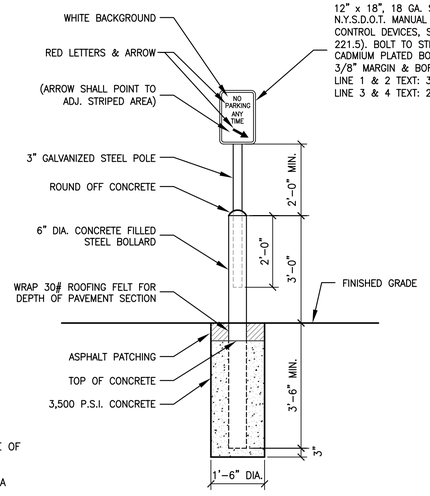


12" x 18", 18 GA. STEEL BAKED ENAMEL WITH N.Y.S. ACCESSIBILITY SYMBOL. SEE N.Y.S.D.O.T. MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES, SIGN #P4-6C (SECT. 221.8). BOLT TO STEEL POLE WITH 3/8" CADMIUM PLATED BOLTS, NUTS, AND WASHERS. 3/8" MARGIN & BORDER.
LINE 1 & 2 TEXT: 3"-C.

12" x 18", 18 GA. STEEL BAKED ENAMEL VAN ACCESSIBLE SIGN

EXPOSED STEEL SHALL BE FINISHED WITH ONE COAT OF RUST-INHIBITING PRIMER AND TWO COATS OF PAINT (COLOR BY OWNER)

ACCESSIBLE PARKING SECTION



12" x 18", 18 GA. STEEL BAKED ENAMEL. SEE N.Y.S.D.O.T. MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES, SIGN #P1-1C (SECT. 221.5). BOLT TO STEEL POLE WITH 3/8" CADMIUM PLATED BOLTS, NUTS, AND WASHERS. 3/8" MARGIN & BORDER.
LINE 1 & 2 TEXT: 3"-C.
LINE 3 & 4 TEXT: 2"-C,

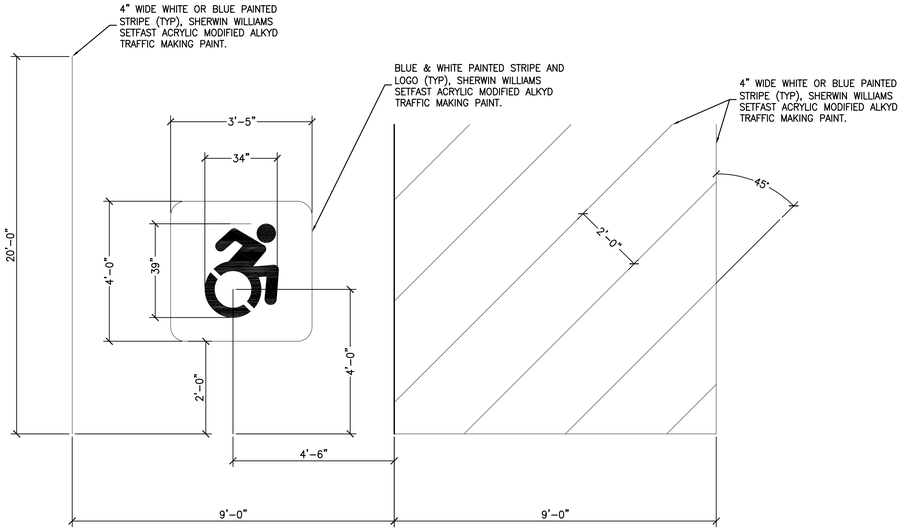
STRIPED AREA SECTION

NOTES:

1. SIGNS SHALL BE PLACE 2' MIN. OFFSET FROM EDGE OF PAVEMENT.
2. CHARACTERS AND SIGN BACKGROUNDS SHALL HAVE A MATTE OR OTHER NON-GLARE FINISH.

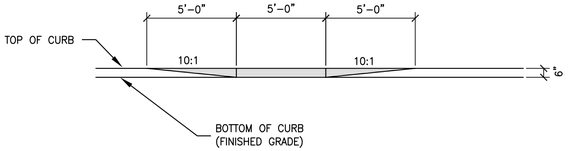
ACCESSIBLE PARKING SIGNS — A

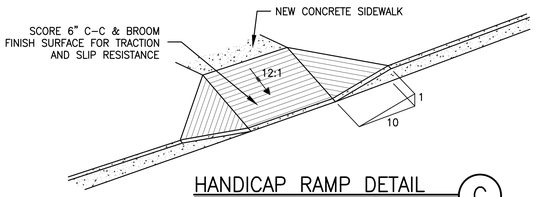
SCALE : 1/2" = 1'-0"
NOTE: REFER TO CABO/ANSI A117.1 – 1992 SEC. 4.28 FIG. B 4.28.8.1



ACCESSIBLE PARKING SYMBOL — B

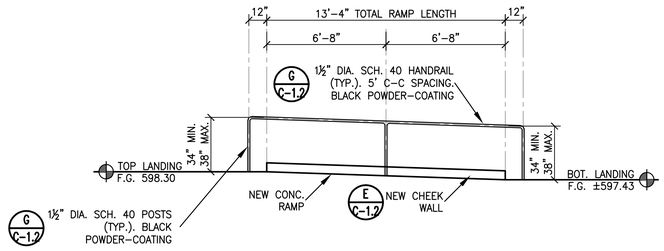
SCALE : 1/2" = 1'-0"
NOTE: REFER TO ICCI/ANSI A117.1





HANDICAP RAMP DETAIL — C

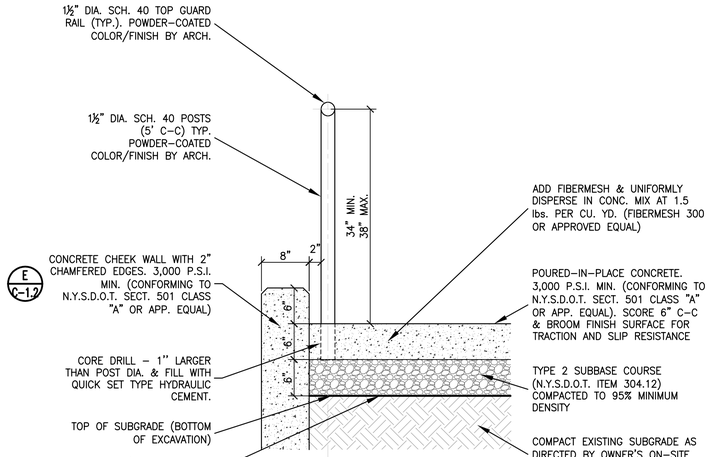
SCALE : 1/4" = 1'-0"
REFER TO CABO/ANSI A117.1 – 1992 SEC. 4.7



ELEVATION

RAMP HAND RAIL DETAIL — D

SCALE : 1/4" = 1'-0"
REFER TO CABO/ANSI A117.1 – LATEST EDITION



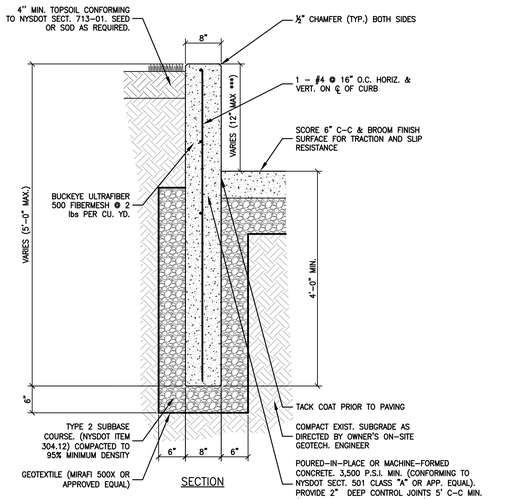
PARTIAL SECTION

RAMP HAND RAIL SECTION — G

SCALE : 1" = 1'-0"

NOTES

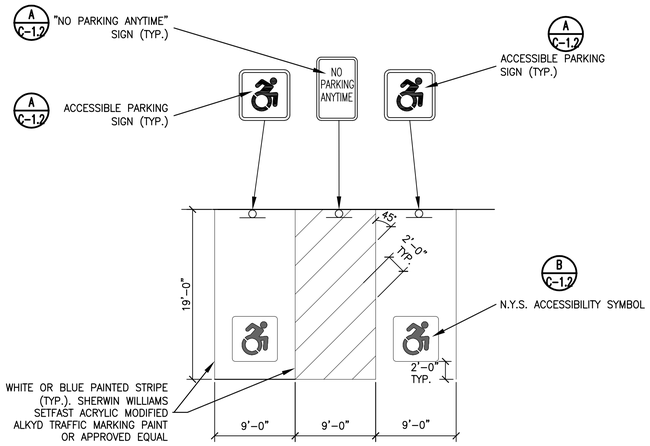
1. ALL CONCRETE AREAS SHALL BE SCORED 5' ON CENTER BY SAW-CUTTING 1" MINIMUM DEPTH.
2. EXPANSION JOINTS IN CONCRETE AREAS SHALL BE NO MORE THAN 25' ON CENTER AND AT INTERFACES BETWEEN WALLS, FOUNDATIONS, AND OTHER SLABS. INSTALL 1/2-INCH PRE-MOLDED RESILIENT JOINT FILLER AT ALL EXPANSION JOINTS.
3. CONCRETE SHALL HAVE A SLUMP OF NO MORE THAN 5" AND AN AIR ENTRAINMENT OF 4%-6%. THE USE OF CALCIUM CHLORIDE IS NOT PERMITTED.



SECTION

CHEEK WALL DETAIL — E

SCALE : 3/4" = 1'-0"



ACCESSIBLE PARKING STRIPING DETAIL — F

SCALE : 1/8" = 1'-0"

FOR OFFICIAL TOWN OF AMHERST USE

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EGGERTSVILLE HOSE COMPANY
EXTERIOR SITE IMPROVEMENTS
1880 EGGERT ROAD, AMHERST, NY 14226

STAMP/SEAL

1	ISSUED FOR SITE PLAN REV.	1/21/25
2	ISSUED FOR CLIENT REVIEW	1/3/25

ACCESSIBILITY DETAILS

studio T3
Engineering, PLLC
2495 Main Street, Suite 301
Buffalo, New York 14214
Phone: (716) 803-6400
Fax: (716) 810-9504

DRAWN BY: AVT
CHECKED BY: RMT
JOB # 23-194A

SHEET C-1.2

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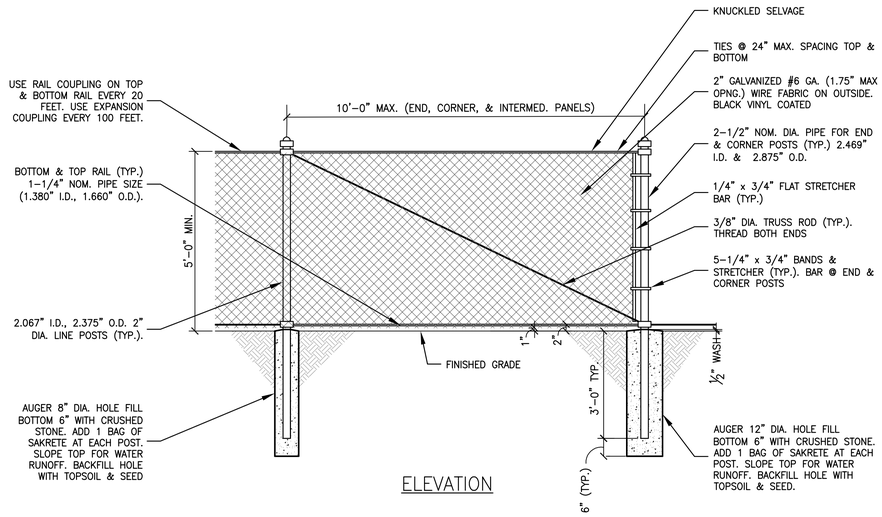
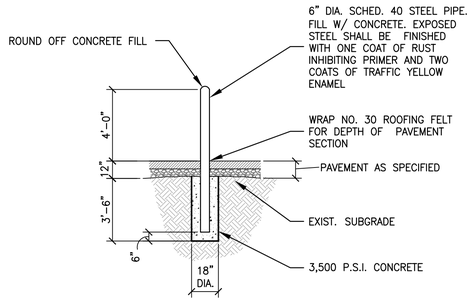
Attachment: SP-1994-18_B_drawings_032025 (29950 : SP-1994-188, 1880 Eggert Road)



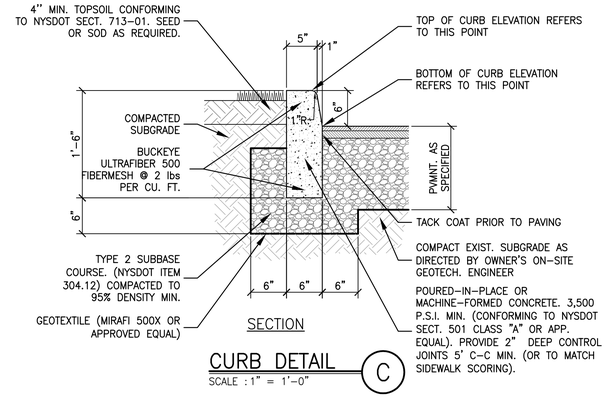
CHAIN LINK FENCE DETAIL — A

SCALE : 1/2" = 1'-0"



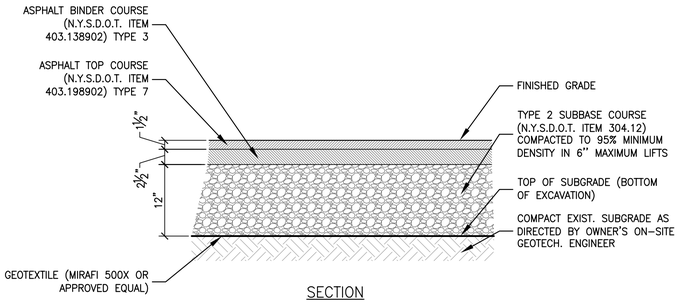
BOLLARD DETAIL — B

SCALE :1/4" = 1'-0"



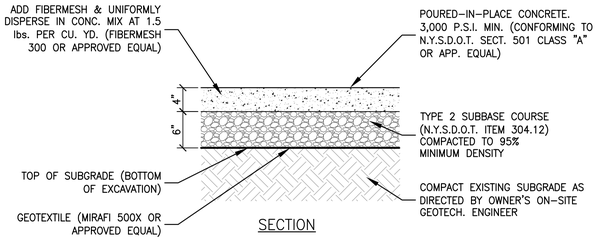
CURB DETAIL — C

SCALE : 1" = 1'-0"



HEAVY-DUTY ASPHALT PAVEMENT DETAIL — D

SCALE : 1" = 1'-0"

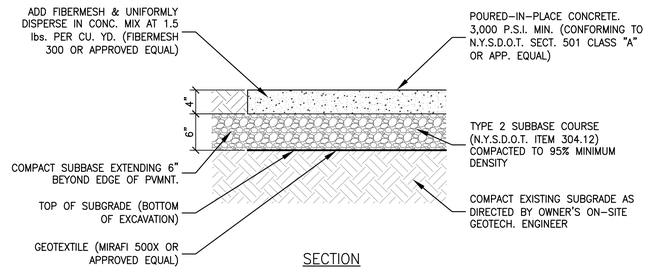


SIDEWALK / CONCRETE PAD DETAIL — E

SCALE : 1" = 1'-0"

NOTES:

1. ALL CONCRETE FOR SIDEWALKS SHALL CONFORM TO N.Y.S.D.O.T. STANDARD SPECIFICATION 501. CONSTRUCTION SHALL CONFORM TO N.Y.S.D.O.T. STANDARD SPECIFICATION 608-3.
2. ALL CONCRETE AREAS SHALL BE SCORED 5' ON CENTER (OR AS NOTED ON SHEET C-1.1) WITH SAW-CUT CONTROL JOINTS 1-½ INCHES DEEP. ALL SCORED JOINTS SHALL BE SAW-CUT WITHIN 24 HOURS OF POURING CONCRETE
3. EXPANSION JOINTS IN CONCRETE AREAS SHALL BE NO MORE THAN 25' ON CENTER AND AT INTERFACES BETWEEN DRIVEWAYS, SIDEWALKS, SLABS, AND FOUNDATIONS. ALL SIDEWALK EDGES SHALL BE TOOLED WITH A ¼-INCH EDGE RADIUS WITHIN 24 HOURS OF POURING CONCRETE. INSTALL FELT BOARD EXPANSION JOINT. SCORE FELT AND REMOVE TO DEPTH OF ½" BELOW SLAB. PROVIDE SEAL WITH ½" INCH PRE-MOLDED RESILIENT JOINT FILLER AT ALL EXPANSION JOINTS.
4. PROVIDE DOWELS @ 12" C-C INTO FOUNDATION WHERE SIDEWALK ABUTS BUILDING WALLS AT DOOR ENTRANCES ONLY TO PREVENT FROST HEAVING. AT OTHER AREAS WHERE SIDEWALK ABUTS BUILDING WALLS PROVIDE ½" PRE-MOLDED EXPANSION JOINT WITH BACKER ROD AND SEALANT.
5. IN DRIVEWAY AREAS CONCRETE THICKNESS SHALL BE INCREASED TO 6 INCHES MINIMUM. IN DRIVEWAY AREAS CONCRETE SUBBASE SHALL BE INCREASED TO 9 INCHES MINIMUM OR TO THE DEPTH OF THE ADJACENT ASPHALT SUBBASE.
6. CONCRETE SHALL HAVE A SLUMP OF NO MORE THAN 5" AND AN AIR ENTRAINMENT OF 4-6%. THE USE OF CALCIUM CHLORIDE IS NOT PERMITTED. PROVIDE PROPER CONCRETE PROTECTION IN COLD WEATHER AND MAINTAIN PROPER CURING PROCEDURES IN CONFORMANCE WITH ALL A.C.I. REQUIREMENTS.

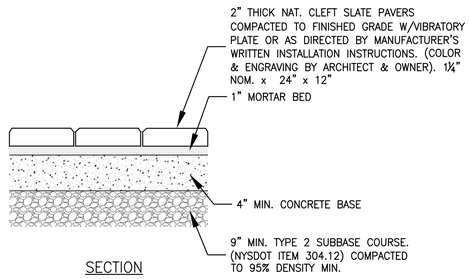


CONCRETE EDGE DETAIL — F

SCALE : 1" = 1'-0"

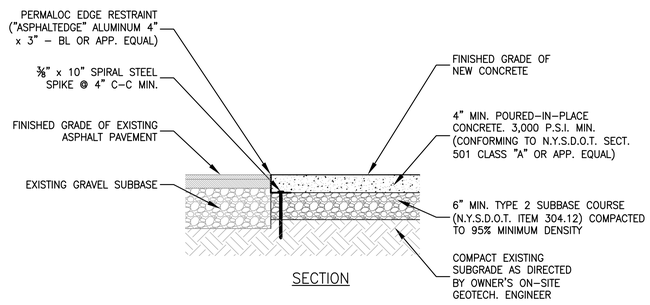
NOTES:

1. ALL CONCRETE FOR SIDEWALKS SHALL CONFORM TO N.Y.S.D.O.T. STANDARD SPECIFICATION 501. CONSTRUCTION SHALL CONFORM TO N.Y.S.D.O.T. STANDARD SPECIFICATION 608-3 WITH A SLUMP OF NO MORE THAN 5" AND AN AIR ENTRAINMENT OF 4-6%.
2. ALL CONCRETE AREAS SHALL BE SCORED 5' ON CENTER (OR AS NOTED ON DRIVEWAY PLANS) AND SHALL BE SAW-CUT WITHIN 24 HOURS OF POURING CONCRETE
3. EXPANSION JOINTS IN CONCRETE AREAS SHALL BE NO MORE THAN 25' ON CENTER AND AT INTERFACES BETWEEN DRIVEWAYS, SIDEWALKS, SLABS, AND FOUNDATIONS. ALL SIDEWALK EDGES SHALL BE TOOLED AND SHALL HAVE A ¼-INCH EDGE RADIUS SAW-CUT WITHIN 24 HOURS OF POURING CONCRETE. INSTALL FELT BOARD EXPANSION JOINT. SCORE FELT AND REMOVE TO DEPTH OF ½" BELOW SLAB. PROVIDE SEAL WITH ½" INCH PRE-MOLDED RESILIENT JOINT FILLER AT ALL EXPANSION JOINTS.



STONE PAVER DETAIL — G

SCALE : 1-1/2" = 1'-0"



ASPHALT / CONCRETE INTERFACE — H

SCALE :3/4" = 1'-0"

NOTES:

1. INSTALL PER MANUFACTURER'S INSTALLATION GUIDELINES.
2. CONNECT 8'-0" SECTIONS WITH 4" SLIDING CONNECTERS.
3. NOTCH BASE OF EDGE RESTRAINT ONLY AND FORM A CONTINUOUS CORNER.
4. ORDER FROM PERMALOC ALUMINUM EDGING, (800) 356-9660 OR WWW.PERMALOC.COM

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EGGERT ROAD, AMHERST, NY 14226
1880

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FOR OFFICIAL TOWN OF AMHERST USE

SITE DETAILS

studio T3
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Fax: (716) 810-9504

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CHECKED BY: RMT
JOB # 23-194A

SHEET C-1.3

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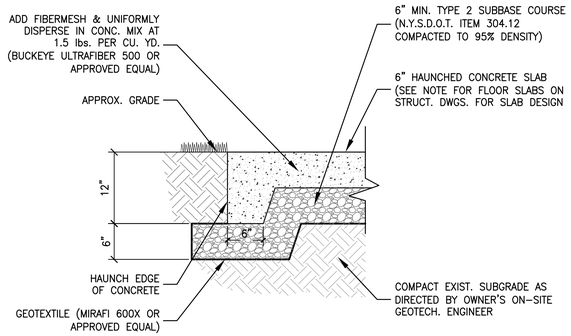
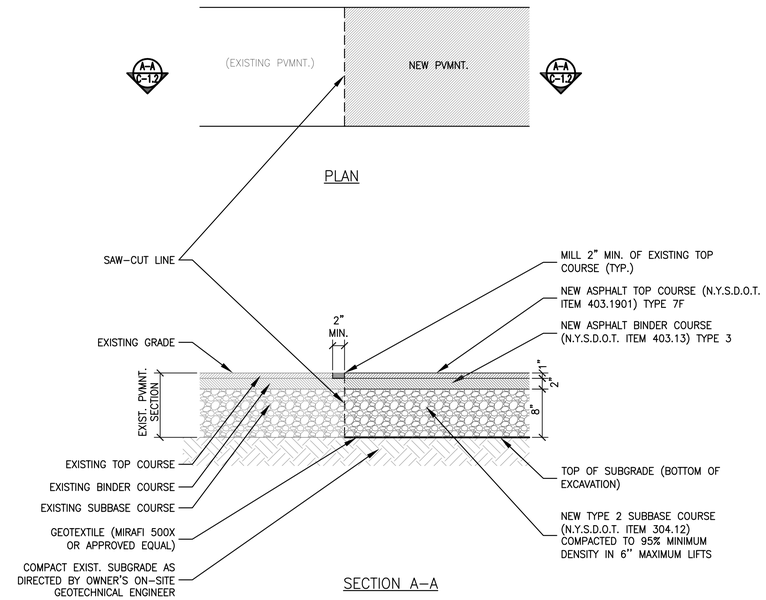


CONCRETE PAD SECTION (A)

SCALE : 1" = 1'-0"

NOTES

1. ALL CONCRETE AREAS SHALL BE SCORED 5' ON CENTER (OR AS SHOWN ON SITE LAYOUT PLAN) BY SAW-CUTTING CONTROL JOINTS 1-1/2 INCHES DEEP. SEAL ALL JOINTS WITH ASPHALT CEMENT (N.Y.S.D.O.T. SPECIFICATION 702-0700.
2. EXPANSION JOINTS IN CONCRETE AREAS SHALL BE NO MORE THAN 25' ON CENTER AND AT INTERFACES BETWEEN DRIVEWAYS, SIDEWALKS, SLABS, AND FOUNDATIONS.ALL SIDEWALK EDGES SHALL BE TOOLED AND SHALL HAVE A 1/4-INCH EDGE RADIUS.
3. INSTALL 1/2-INCH PRE-MOLDED RESILIENT JOINT FILLER AT ALL EXPANSION JOINTS AND AT INTERFACE BETWEEN SIDEWALK AND BUILDING WALLS.
4. CONCRETE SHALL HAVE A SLUMP OF NO MORE THAN 5" AND AN AIR ENTRAINMENT OF 4-6%. THE USE OF CALCIUM CHLORIDE IS NOT PERMITTED. PROVIDE PROPER CONCRETE PROTECTION IN COLD WEATHER AND MAINTAIN PROPER CURING PROCEDURES IN CONFORMANCE WITH ALL A.C.I. REQUIREMENTS.

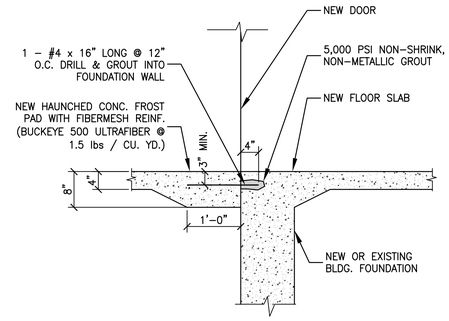


SECTION A-A

PAVEMENT TRANSITION DETAIL (B)

SCALE : 1" = 1'-0"

NOTE: TACK COAT MILLED AND ALL OTHER SURFACES



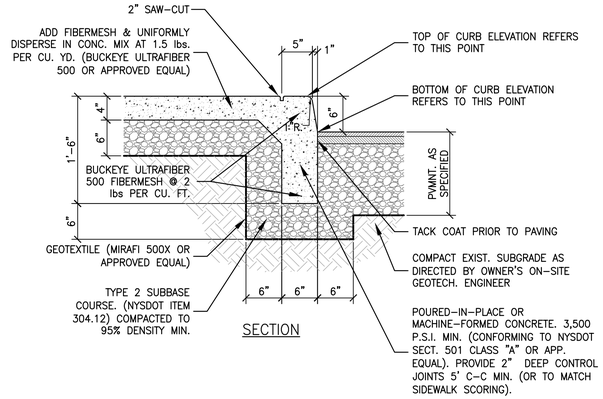
SECTION

SIDEWALK ABUTTING FOUNDATION AT DOORS (C)

SCALE 3/4" = 1'-0"

NOTES:

1. PROVIDE DOWELS @ 12" C-C INTO FOUNDATION WHERE SIDEWALK ABUTS AGAINST BUILDING WALL (AT DOOR ENTRANCES ONLY) TO PREVENT FROST HEAVING. AT OTHER AREAS WHERE SIDEWALK ABUTS AGAINST BUILDING WALL PROVIDE ½" PRE-MOLDED EXPANSION JOINT WITH BACKER ROD AND SEALANT.



SECTION

INTEGRAL CURB-WALK DETAIL (D)

SCALE : 1" = 1'-0"

NOTE:

1. PROVIDE DOWELS @ 12" C-C INTO FOUNDATION WHERE SIDEWALK ABUTS AGAINST BUILDING WALL (AT DOOR ENTRANCES ONLY) TO PREVENT FROST HEAVING. AT OTHER AREAS WHERE SIDEWALK ABUTS AGAINST BUILDING WALL PROVIDE ½" PRE-MOLDED EXPANSION JOINT WITH BACKER ROD AND SEALANT.
2. CONCRETE SHALL HAVE A SLUMP OF NO MORE THAN 5" AND AN AIR ENTRAINMENT OF 4-6%. THE USE OF CALCIUM CHLORIDE IS NOT PERMITTED. PROVIDE PROPER CONCRETE PROTECTION IN COLD WEATHER AND MAINTAIN PROPER CURING PROCEDURES IN CONFORMANCE WITH ALL A.C.I. REQUIREMENTS.

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SITE DETAILS

studio T3
Engineering, PLLC
2495 Main Street, Suite 301
Buffalo, New York 14214
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Fax: (716) 810-9504

DRAWN BY: AVT
CHECKED BY: RMT
JOB # 23-194A

SHEET C-1.4

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Attachment: SP-1994-18_B_drawings_032025 (29950 : SP-1994-18B, 1880 Eggert Road)

NOTES

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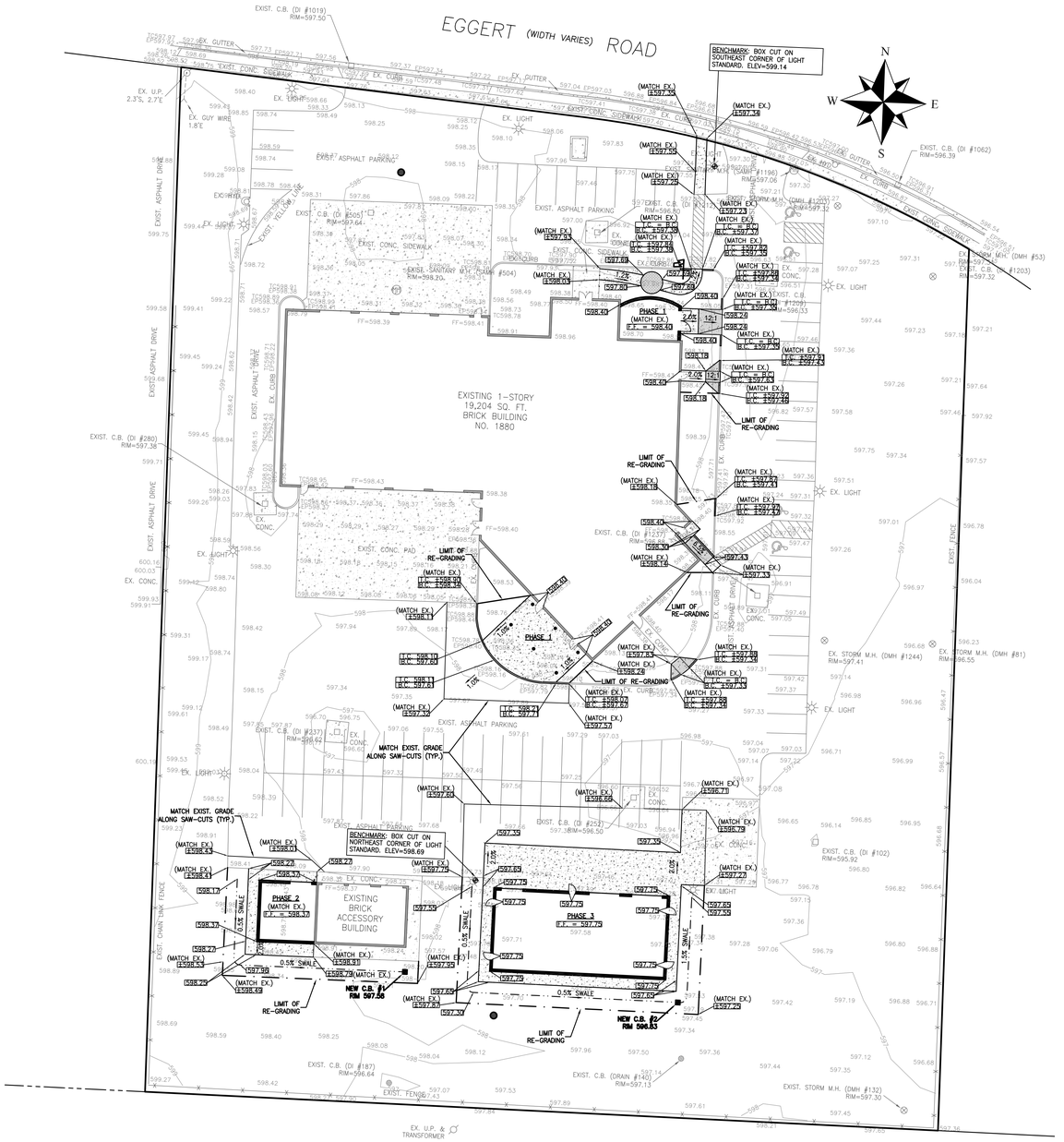
2. THE CONTRACTOR SHALL FIELD VERIFY ALL UNDERGROUND UTILITY LOCATIONS AND DEPTHS PRIOR TO THE START OF EXCAVATION AND CONSTRUCTION.
3. ALL SOIL FILL AREAS SHALL BE PLACED IN 8" MAXIMUM LIFTS. FILL SHALL NOT BE PLACED ON FROZEN SOIL.
4. ALL FILL AREAS BENEATH PAVED AREAS SHALL BE COMPACTED TO A MINIMUM 95% DENSITY IN 6" MAXIMUM LIFTS AS DETERMINED PER ASTM D 1557.
5. THE MINIMUM REQUIRED DENSITY FOR FILL BENEATH ALL DETENTION BASIN AREAS SHALL BE AT LEAST 92% OF THE MAXIMUM DRY DENSITY WITH A MOISTURE CONTENT WITHIN 2% OF THE OPTIMUM.
6. WHEREVER POSSIBLE, EXCAVATED TOPSOIL SHALL BE STOCKPILED ON SITE AND RE-USED DURING LANDSCAPING AS NECESSARY.
7. FUTURE LAWN AREAS SHALL BE SCARIFIED TO A MINIMUM DEPTH OF 3 INCHES PRIOR TO PLACEMENT OF TOPSOIL AND SEED.
8. TILLING SHALL NOT BE PERFORMED WITHIN THE DRIP LINE OF EXISTING TREES TO REMAIN OR OVER EXISTING UNDERGROUND UTILITIES LESS THAN 24 INCHES BELOW GRADE.
9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TEMPORARY SHORING AND UNDERPINNING EXPOSED FOUNDATIONS ADJACENT TO EXCAVATIONS. THE STRUCTURAL ENGINEER SHALL BE CONTACTED FOR ASSOCIATED DETAILS.
10. ANY DAMAGED PROPERTY WITHIN THE PROJECT SITE OR ADJACENT PROJECT SITES SHALL BE RESTORED IN KIND.
11. ANY DEVIATION FROM ANY PLANS IN THIS DRAWING SET SHALL REQUIRE APPROVAL OF THE DESIGN ENGINEER (STUDIO T3) AND THE TOWN OF AMHERST PLANNING AND BUILDING DEPARTMENTS, AS WELL AS THE APPROPRIATE UTILITY COMPANIES AND SERVICE PROVIDERS. ANY AND ALL CHANGES MADE WITHOUT NOTIFICATION OR APPROVAL OF THE DESIGN ENGINEER (STUDIO T3) SHALL BE CONSIDERED UNAUTHORIZED AND THE DESIGN ENGINEER (STUDIO T3) SHALL NOT BE LIABLE FOR ANY DAMAGES, DELAYS, ADDITIONAL COSTS INCURRED, OR ANY OTHER CONSEQUENCES ARISING FROM SUCH CHANGES.
12. ALL CONTRACTORS AND SUBCONTRACTORS SHALL BE INSURED AND LICENSED IN THE STATE OF NEW YORK, THE COUNTY OF ERIE, AND THE TOWN OF AMHERST.
13. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PAYING ALL NECESSARY FEES AND OBTAINING ALL NECESSARY PERMITS PRIOR TO THE START OF CONSTRUCTION. CONTACT TOWN OF AMHERST BUILDING DEPARTMENT (716) 631-7080 FOR INSTRUCTIONS, PERMIT APPLICATIONS, AND FEES.

LEGEND

- EXISTING EDGE OF PAVEMENT
- NEW EDGE OF PAVEMENT
- EXISTING CURB
- NEW CURB
- SITE PARCEL R.O.W. / PROPERTY LINE
- ADJACENT PARCEL R.O.W. / PROPERTY LINE
- PAVEMENT SAW-CUT LINE
- BOTTOM OF NEW SWALE
- EXISTING UTILITY POLE
- 2.0% SURFACE FLOW DIRECTION & SLOPE
- EXISTING CATCH BASIN
- NEW CATCH BASIN
- EXISTING MANHOLE
- NEW MANHOLE
- EXISTING CONTOUR LINE
- EXISTING SPOT ELEVATION
- T.C. XXX.XX / B.C. XXX.XX TOP OF CURB ELEVATION / BOTTOM OF CURB ELEVATION
- XXX.XX NEW SPOT ELEVATION



SITE GRADING PLAN

SCALE : 1" = 30'-0"

0 30 60 120

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SITE GRADING PLAN

studio T3
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SHEET C-2.0

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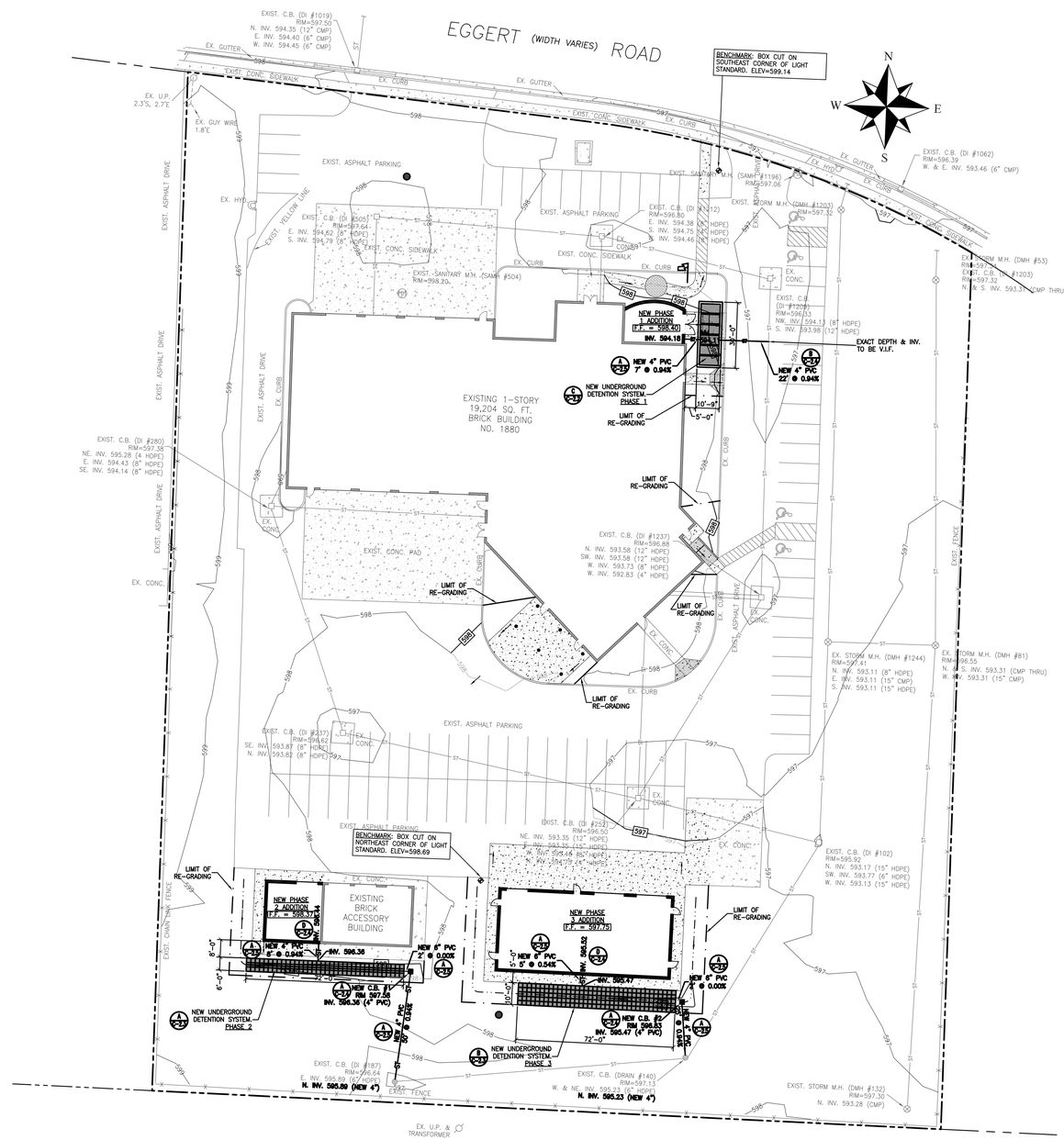
2. FOR REFERENCE ALSO SEE ARCHITECTURAL AND PLUMBING PLANS FOR EXACT LOCATIONS AND DEPTHS OF ROOF DRAIN LEADER CONNECTIONS AT BUILDING WALLS.
3. THE DESIGN ENGINEER (STUDIO T3) IS NOT RESPONSIBLE FOR STORM SEWER SYSTEM FAILURE DUE TO LACK OF INSPECTIONS OR MAINTENANCE.
4. THE DESIGN ENGINEER (STUDIO T3) IS NOT RESPONSIBLE FOR ANY UTILITIES NOT SHOWN ON THE SURVEY OR ANY ACCIDENTAL RUPTURES DURING EXCAVATION OR CONSTRUCTION. THE DESIGN ENGINEER (STUDIO T3) AND THE RESPECTIVE UTILITY COMPANIES SHALL BE IMMEDIATELY NOTIFIED BY THE INSTALLATION CONTRACTOR UPON DISCOVERY OF ANY SUCH ABOVEGROUND OR UNDERGROUND UTILITIES NOT SHOWN ON THE SURVEY. WORK SHALL BE IMMEDIATELY SUSPENDED AND NOT COMMENCE UNTIL SUCH DISCOVERED UTILITIES ARE IDENTIFIED AND THE DESIGN ENGINEER (STUDIO T3) ISSUES EITHER A WRITTEN APPROVAL OR A SIGNED REVISED PLAN. IF NECESSARY AN UNDERGROUND UTILITY SURVEY SHALL BE DONE PRIOR TO EXCAVATION AND CONSTRUCTION IN ORDER TO ELIMINATE DELAYS RESULTING FROM INTERFERENCE WITH UN-DOCUMENTED OR UN-LOCATED BURIED UTILITIES ENCOUNTERED.
5. THE DESIGN ENGINEER (STUDIO T3) SHALL BE IMMEDIATELY CONTACTED UPON DISCOVERY OF ANY ABOVEGROUND OR BELOW GROUND OBJECTS NOT SHOWN ON THE BACKGROUND SURVEY THAT ARE UNCOVERED DURING EXCAVATION OR CONSTRUCTION (BUILDING FOUNDATIONS, BURIED VAULTS, TREES, SIDEWALKS, PAVEMENT, RAILINGS, SIGNS, STOCKPILES, STUMPS, OR SIMILAR) WHICH WILL INTERFERE OR CONFLICT WITH ANY PROPOSED WORK SHOWN ON THESE PLANS. WORK SHALL BE IMMEDIATELY SUSPENDED AND NOT COMMENCE UNTIL SUCH DISCOVERED OBJECTS ARE IDENTIFIED AND THE DESIGN ENGINEER (STUDIO T3) ISSUES EITHER A WRITTEN APPROVAL OR A SIGNED REVISED PLAN.
6. ALL NEW ROOF DRAIN LATERALS SHALL CONFORM TO ASTM D 2665, ASTM D 3034, ASTM F 891, CSA-B182.2, OR CAN/CSA-B182.4.
7. ALL STORM PIPE FITTINGS SHALL CONFORM TO ASTM D 2609, ASTM D 2464, ASTM D 2466, ASTM D 2467, CAN/CSA-B137.2, OR ASTM D 2665.
8. REGULAR MAINTENANCE OF THE UNDERGROUND DETENTION SYSTEMS SHALL BE THE RESPONSIBILITY OF THE PROPERTY OWNER (EGGERTSVILLE HOSE).
9. THE CONTRACTOR SHALL PERFORM ALL APPLICABLE TESTS AS REQUIRED BY THE LOCAL PLUMBING AND BUILDING DEPARTMENT, AS WELL AS TESTS REQUIRED IN THE NYS PLUMBING CODE SECTIONS 312.2 THRU 312.9.
10. ALL JOINTS OR JOINT SYSTEMS FOR NEW UNDERGROUND DETENTION SYSTEMS AND STORM SEWERS SHALL BE SILT TIGHT, AND SHALL RESIST INFILTRATION OF SOIL PARTICLES THAT PASS THE NO. 200 SIEVE. IF GEOTEXTILE WRAP IS SPECIFIED FOR USE IN JOINTS, IT SHALL MEET AASHTO M288, WITH AN APPARENT OPENING SIZE (AOS) GREATER THAN 70.
11. PER SECTION 107.2 OF THE NYS PLUMBING CODE, THE CONTRACTOR SHALL NOTIFY THE TOWN OF AMHERST PLUMBING INSPECTOR AT (716) 631-7080 TO SCHEDULE INSPECTIONS OF ALL NEW UTILITY INSTALLATIONS. UNDERGROUND INSPECTIONS SHALL BE MADE AFTER TRENCHES ARE EXCAVATED, PIPING INSTALLED, AND BEFORE ANY BACKFILL IS PUT IN PLACE. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO NOTIFY THE PLUMBING INSPECTOR WHEN WORK IS READY FOR INSPECTION. EQUIPMENT, MATERIAL, AND LABOR REQUIRED FOR TESTING SHALL BE FURNISHED BY THE CONTRACTOR.
12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TEMPORARY SHORING AND UNDERPINNING EXPOSED FOUNDATIONS ADJACENT TO EXCAVATIONS. THE STRUCTURAL ENGINEER SHALL BE CONTACTED FOR ASSOCIATED DETAILS.
13. ANY DAMAGED PROPERTY WITHIN THE PROJECT SITE OR ADJACENT PROJECT SITES SHALL BE RESTORED IN KIND.
14. ANY DEVIATION FROM ANY PLANS IN THIS DRAWING SET SHALL REQUIRE APPROVAL OF THE DESIGN ENGINEER (STUDIO T3) AND THE TOWN OF AMHERST PLANNING AND BUILDING DEPARTMENTS, AS WELL AS THE APPROPRIATE UTILITY COMPANIES AND SERVICE PROVIDERS. ANY AND ALL CHANGES MADE WITHOUT NOTIFICATION OR APPROVAL OF THE DESIGN ENGINEER (STUDIO T3) SHALL BE CONSIDERED UNAUTHORIZED AND THE DESIGN ENGINEER (STUDIO T3) SHALL NOT BE LIABLE FOR ANY DAMAGES, DELAYS, ADDITIONAL COSTS INCURRED, OR ANY OTHER CONSEQUENCES ARISING FROM SUCH CHANGES.
15. ALL CONTRACTORS AND SUBCONTRACTORS SHALL BE INSURED AND LICENSED IN THE STATE OF NEW YORK, THE COUNTY OF ERIE, AND THE TOWN OF AMHERST.
16. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PAYING FOR ALL NECESSARY FEES AND OBTAINING ALL NECESSARY PERMITS PRIOR TO THE START OF CONSTRUCTION. CONTACT THE TOWN OF AMHERST BUILDING DEPARTMENT (716) 631-7080 FOR INSTRUCTIONS, PERMIT APPLICATIONS, AND FEES.

LEGEND

- EXISTING EDGE OF PAVEMENT
- NEW EDGE OF PAVEMENT
- EXISTING CURB
- NEW CURB (6")
- SITE PARCEL R.O.W. / PROPERTY LINE
- ADJACENT PARCEL R.O.W. / PROPERTY LINE
- BOTTOM OF NEW SWALE
- EXISTING STORM SEWER
- NEW STORM SEWER
- EXISTING UTILITY POLE
- EXISTING HYDRANT
- PROPOSED SURFACE FLOW DIRECTION
- EXISTING CATCH BASIN
- NEW CATCH BASIN
- EXISTING MANHOLE
- NEW MANHOLE
- EXISTING CONTOUR LINE (TO REMAIN)
- FORMER CONTOUR LINE (RE-GRADED)
- NEW CONTOUR LINE (FINISHED GRADE)



SITE DRAINAGE PLAN

SCALE : 1"= 30'-0"

0 30 60 120

FOR OFFICIAL TOWN OF AMHERST USE

THE CONTRACTOR SHALL CONTACT THE DESIGN ENGINEER BEFORE EXCAVATION & CONSTRUCTION TO ENSURE HE/SHE HAS THE FINAL SET OF DESIGN DOCUMENTS AS ISSUED FOR CONSTRUCTION. THIS PLAN IS CURRENT AS OF THE DATE IT WAS ISSUED. SUBSEQUENT UPDATES OF THIS PLAN BY THE DESIGN ENGINEER DOES NOT AFFORD ANY TRANSFEREES THE RIGHT TO RECEIVE SAID UPDATES, BUT PLACES THE RESPONSIBILITY TO THE TRANSFEREE TO OBTAIN UPDATED PLANS WHICH ARE ISSUED FOR CONSTRUCTION AS THESE MAY DIFFER FROM PREVIOUS PLANS ISSUED FOR PERMIT OR BID.

EGGERTSVILLE HOSE COMPANY
EXTERIOR SITE IMPROVEMENTS
1880 EGGERT ROAD, AMHERST, NY 14226

STAMP/SEAL

1	ISSUED FOR SITE PLAN REV.	1/21/25
2	ISSUED FOR CLIENT REVIEW	1/3/25

SITE DRAINAGE PLAN

studio T3
Engineering, PLLC
2495 Main Street, Suite 301
Buffalo, New York 14214
Phone: (716) 803-6400
Fax: (716) 810-9504

DRAWN BY: AVT
CHECKED BY: RMT
JOB # 23-194A

SHEET C-2.1

WARNING: IT IS A VIOLATION OF SECTION 7209, SUBDIVISION 2, OF THE NEW YORK STATE EDUCATION LAW FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED ARCHITECT OR PROFESSIONAL ENGINEER, TO ALTER IN ANY WAY, PLANS, SPECIFICATIONS, OR REPORTS TO WHICH THE SEAL OF A LICENSED ARCHITECT OR PROFESSIONAL ENGINEER HAS BEEN APPLIED.

Attachment: SP-1994-18_B_drawings_032025 (29950 : SP-1994-18&, 1880 Eggert Road)

STORMTECH CHAMBER SPECIFICATIONS

1. CHAMBERS SHALL BE STORMTECH SC-740 OR SC-310.
2. CHAMBERS SHALL BE MANUFACTURED FROM VIRGIN POLYPROPYLENE OR POLYETHYLENE RESINS.
3. CHAMBER ROWS SHALL PROVIDE CONTINUOUS, UNOBSTRUCTED INTERNAL SPACE WITH NO INTERNAL SUPPORT PANELS THAT WOULD IMPEDE FLOW OR LIMIT ACCESS FOR INSPECTION.
4. THE STRUCTURAL DESIGN OF THE CHAMBERS, THE STRUCTURAL BACKFILL, AND THE INSTALLATION REQUIREMENTS SHALL ENSURE THAT THE LOAD FACTORS SPECIFIED IN THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, SECTION 12.12, ARE MET FOR: 1) LONG-DURATION DEAD LOADS AND 2) SHORT-DURATION LIVE LOADS, BASED ON THE AASHTO DESIGN TRUCK WITH CONSIDERATION FOR IMPACT AND MULTIPLE VEHICLE PRESENCES.
5. CHAMBERS SHALL MEET ASTM F2922 (POLYETHYLENE) OR ASTM F2418-16 (POLYPROPYLENE), "STANDARD SPECIFICATION FOR THERMOPLASTIC CORRUGATED WALL STORMWATER COLLECTION CHAMBERS".
6. CHAMBERS SHALL BE DESIGNED AND ALLOWABLE LOADS DETERMINED IN ACCORDANCE WITH ASTM F2787, "STANDARD PRACTICE FOR STRUCTURAL DESIGN OF THERMOPLASTIC CORRUGATED WALL STORMWATER COLLECTION CHAMBERS".
7. ONLY CHAMBERS THAT ARE APPROVED BY THE SITE DESIGN ENGINEER WILL BE ALLOWED. THE CHAMBER MANUFACTURER SHALL SUBMIT THE FOLLOWING UPON REQUEST TO THE SITE DESIGN ENGINEER FOR APPROVAL BEFORE DELIVERING CHAMBERS TO THE PROJECT SITE:
   a. A STRUCTURAL EVALUATION SEALED BY A REGISTERED PROFESSIONAL ENGINEER THAT DEMONSTRATES THAT THE SAFETY FACTORS ARE GREATER THAN OR EQUAL TO 1.95 FOR DEAD LOAD AND 1.75 FOR LIVE LOAD, THE MINIMUM REQUIRED BY ASTM F2787 AND BY AASHTO FOR THERMOPLASTIC PIPE.
   b. A STRUCTURAL EVALUATION SEALED BY A REGISTERED PROFESSIONAL ENGINEER THAT DEMONSTRATES THAT THE LOAD FACTORS SPECIFIED IN THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, SECTION 12.12, ARE MET. THE 50 YEAR CREEP MODULUS DATA SPECIFIED IN ASTM F2418 OR ASTM F2922 MUST BE USED AS PART OF THE AASHTO STRUCTURAL EVALUATION TO VERIFY LONG-TERM PERFORMANCE.
   c. STRUCTURAL CROSS SECTION DETAIL ON WHICH THE STRUCTURAL EVALUATION IS BASED.
8. CHAMBERS AND END CAPS SHALL BE PRODUCED AT AN ISO 9001 CERTIFIED MANUFACTURING FACILITY.

PROJECT INFORMATION	
ENGINEERED PRODUCT MANAGER:	IAN KUCHMAN 585-472-1312 IAN.KUCHMAN@ADS-PIPE.COM
ADS SALES REP:	DAVE ENSER (716) 860-4608 DAVE.ENSER@ADS-PIPE.COM
PROJECT NO:	197984

IMPORTANT - NOTES FOR THE BIDDING AND INSTALLATION OF THE SC-310/SC-740 SYSTEM

1. STORMTECH SC-310 & SC-740 CHAMBERS SHALL NOT BE INSTALLED UNTIL THE MANUFACTURER'S REPRESENTATIVE HAS COMPLETED A PRE-CONSTRUCTION MEETING WITH THE INSTALLERS.
2. STORMTECH SC-310 & SC-740 CHAMBERS SHALL BE INSTALLED IN ACCORDANCE WITH THE "STORMTECH SC-310/SC-740/SC-780 CONSTRUCTION GUIDE".
3. CHAMBERS ARE NOT TO BE BACKFILLED WITH A DOZER OR AN EXCAVATOR SITUATED OVER THE CHAMBERS. STORMTECH RECOMMENDS 3 BACKFILL METHODS:
   - STONESHOOTER LOCATED OFF THE CHAMBER BED.
   - BACKFILL AS ROWS ARE BUILT USING AN EXCAVATOR ON THE FOUNDATION STONE OR SUBGRADE.
   - BACKFILL FROM OUTSIDE THE EXCAVATION USING A LONG BOOM HOE OR EXCAVATOR.
4. THE FOUNDATION STONE SHALL BE LEVELED AND COMPACTED PRIOR TO PLACING CHAMBERS.
5. JOINTS BETWEEN CHAMBERS SHALL BE PROPERLY SEATED PRIOR TO PLACING STONE.
6. MAINTAIN MINIMUM - 6" (150 mm) SPACING BETWEEN THE CHAMBER ROWS.
7. EMBEDMENT STONE SURROUNDING CHAMBERS MUST BE A CLEAN, CRUSHED, ANGULAR STONE 3/4-2" (20-50 mm).
8. THE CONTRACTOR MUST REPORT ANY DISCREPANCIES WITH CHAMBER FOUNDATION MATERIALS BEARING CAPACITIES TO THE SITE DESIGN ENGINEER.
9. ADS RECOMMENDS THE USE OF "FLEXSTORM CATCH IT" INSERTS DURING CONSTRUCTION FOR ALL INLETS TO PROTECT THE SUBSURFACE STORMWATER MANAGEMENT SYSTEM FROM CONSTRUCTION SITE RUNOFF.

NOTES FOR CONSTRUCTION EQUIPMENT

1. STORMTECH SC-310 & SC-740 CHAMBERS SHALL BE INSTALLED IN ACCORDANCE WITH THE "STORMTECH SC-310/SC-740/DC-780 CONSTRUCTION GUIDE".
2. THE USE OF CONSTRUCTION EQUIPMENT OVER SC-310 & SC-740 CHAMBERS IS LIMITED:
   - NO EQUIPMENT IS ALLOWED ON BARE CHAMBERS.
   - NO RUBBER TIRED LOADERS, DUMP TRUCKS, OR EXCAVATORS ARE ALLOWED UNTIL PROPER FILL DEPTHS ARE REACHED IN ACCORDANCE WITH THE "STORMTECH SC-310/SC-740/DC-780 CONSTRUCTION GUIDE".
   - WEIGHT LIMITS FOR CONSTRUCTION EQUIPMENT CAN BE FOUND IN THE "STORMTECH SC-310/SC-740/DC-780 CONSTRUCTION GUIDE".
3. FULL 36" (900 mm) OF STABILIZED COVER MATERIALS OVER THE CHAMBERS IS REQUIRED FOR DUMP TRUCK TRAVEL OR DUMPING.

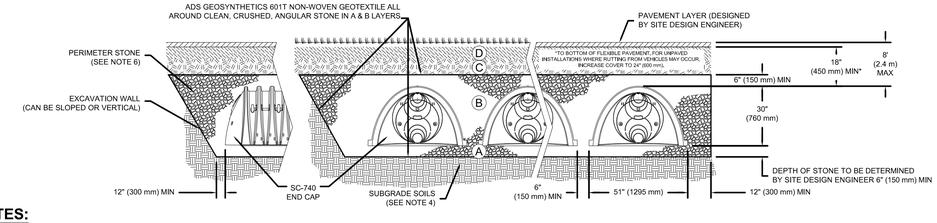
USE OF A DOZER TO PUSH EMBEDMENT STONE BETWEEN THE ROWS OF CHAMBERS MAY CAUSE DAMAGE TO THE CHAMBERS AND IS NOT AN ACCEPTABLE BACKFILL METHOD. ANY CHAMBERS DAMAGED BY THE "DUMP AND PUSH" METHOD ARE NOT COVERED UNDER THE STORMTECH STANDARD WARRANTY.

CONTACT STORMTECH AT 1-888-892-2694 WITH ANY QUESTIONS ON INSTALLATION REQUIREMENTS OR WEIGHT LIMITS FOR CONSTRUCTION EQUIPMENT.

ACCEPTABLE FILL MATERIALS: STORMTECH SC-740 CHAMBER SYSTEMS

	MATERIAL LOCATION	DESCRIPTION	AASHTO MATERIAL CLASSIFICATIONS	COMPACTION / DENSITY REQUIREMENT
D	**FINAL FILL:** FILL MATERIAL FOR LAYER 'D' STARTS FROM THE TOP OF THE 'C' LAYER TO THE BOTTOM OF FLEXIBLE PAVEMENT OR UNPAVED FINISHED GRADE ABOVE. NOTE THAT PAVEMENT SUBBASE MAY BE PART OF THE 'D' LAYER	ANY SOIL/ROCK MATERIALS, NATIVE SOILS, OR PER ENGINEER'S PLANS. CHECK PLANS FOR PAVEMENT SUBGRADE REQUIREMENTS.	N/A	PREPARE PER SITE DESIGN ENGINEER'S PLANS. PAVED INSTALLATIONS MAY HAVE STRINGENT MATERIAL AND PREPARATION REQUIREMENTS.
C	**INITIAL FILL:** FILL MATERIAL FOR LAYER 'C' STARTS FROM THE TOP OF THE EMBEDMENT STONE ('B' LAYER) TO 18" (450 mm) ABOVE THE TOP OF THE CHAMBER. NOTE THAT PAVEMENT SUBBASE MAY BE A PART OF THE 'C' LAYER.	GRANULAR WELL-GRADED SOIL/AGGREGATE MIXTURES, <35% FINES OR PROCESSED AGGREGATE. MOST PAVEMENT SUBBASE MATERIALS CAN BE USED IN LIEU OF THIS LAYER.	AASHTO M145[1] A-1, A-2-4, A-3 OR AASHTO M43[1] 3, 357, 4, 467, 5, 56, 57, 6, 67, 68, 7, 78, 8, 89, 9, 10	BEGIN COMPACTIONS AFTER 12" (300 mm) OF MATERIAL OVER THE CHAMBERS IS REACHED. COMPACT ADDITIONAL LAYERS IN 6" (150 mm) MAX LIFTS TO A MIN. 95% PROCTOR DENSITY FOR WELL GRADED MATERIAL AND 95% RELATIVE DENSITY FOR PROCESSED AGGREGATE MATERIALS. ROLLER GROSS VEHICLE WEIGHT NOT TO EXCEED 12,000 lbs (53 kN), DYNAMIC FORCE NOT TO EXCEED 20,000 lbs (89 kN).
B	**EMBEDMENT STONE:** FILL SURROUNDING THE CHAMBERS FROM THE FOUNDATION STONE ('A' LAYER) TO THE 'C' LAYER ABOVE.	CLEAN, CRUSHED, ANGULAR STONE	AASHTO M43[1] 3, 357, 4, 467, 5, 56, 57	NO COMPACTION REQUIRED.
A	**FOUNDATION STONE:** FILL BELOW CHAMBERS FROM THE SUBGRADE UP TO THE FOOT (BOTTOM) OF THE CHAMBER.	CLEAN, CRUSHED, ANGULAR STONE	AASHTO M43[1] 3, 357, 4, 467, 5, 56, 57	PLATE COMPACT OR ROLL TO ACHIEVE A FLAT SURFACE. [2,3]

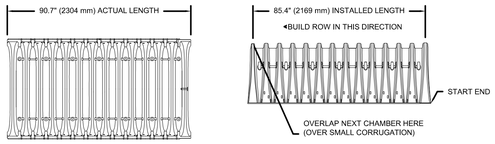
PLEASE NOTE:
1. THE LISTED AASHTO DESIGNATIONS ARE FOR GRADATIONS ONLY. THE STONE MUST ALSO BE CLEAN, CRUSHED, ANGULAR. FOR EXAMPLE, A SPECIFICATION FOR #4 STONE WOULD STATE: "CLEAN, CRUSHED, ANGULAR NO. 4 (AASHTO M43) STONE".
2. STORMTECH COMPACTION REQUIREMENTS ARE MET FOR 'A' LOCATION MATERIALS WHEN PLACED AND COMPACTED IN 6" (150 mm) (MAX) LIFTS USING TWO FULL COVERAGES WITH A VIBRATORY COMPACTOR.
3. WHERE INFILTRATION SURFACES MAY BE COMPROMISED BY COMPACTION, FOR STANDARD DESIGN LOAD CONDITIONS, A FLAT SURFACE MAY BE ACHIEVED BY RAKING OR DRAGGING WITHOUT COMPACTION EQUIPMENT. FOR SPECIAL LOAD DESIGNS, CONTACT STORMTECH FOR COMPACTION REQUIREMENTS.

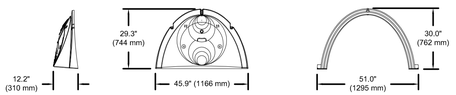


NOTES:

1. SC-740 CHAMBERS SHALL CONFORM TO THE REQUIREMENTS OF ASTM F2418 "STANDARD SPECIFICATION FOR POLYPROPYLENE (PP) CORRUGATED WALL STORMWATER COLLECTION CHAMBERS", OR ASTM F2922 "STANDARD SPECIFICATION FOR POLYETHYLENE (PE) CORRUGATED WALL STORMWATER COLLECTION CHAMBERS".
2. SC-740 CHAMBERS SHALL BE DESIGNED IN ACCORDANCE WITH ASTM F2787 "STANDARD PRACTICE FOR STRUCTURAL DESIGN OF THERMOPLASTIC CORRUGATED WALL STORMWATER COLLECTION CHAMBERS".
3. "ACCEPTABLE FILL MATERIALS" TABLE ABOVE PROVIDES MATERIAL LOCATIONS, DESCRIPTIONS, GRADATIONS, AND COMPACTION REQUIREMENTS FOR FOUNDATION, EMBEDMENT, AND FILL MATERIALS.
4. THE SITE DESIGN ENGINEER IS RESPONSIBLE FOR ASSESSING THE BEARING RESISTANCE (ALLOWABLE BEARING CAPACITY) OF THE SUBGRADE SOILS AND THE DEPTH OF FOUNDATION STONE WITH CONSIDERATION FOR THE RANGE OF EXPECTED SOIL MOISTURE CONDITIONS.
5. PERIMETER STONE MUST BE EXTENDED HORIZONTALLY TO THE EXCAVATION WALL FOR BOTH VERTICAL AND SLOPED EXCAVATION WALLS.
6. ONCE LAYER 'C' IS PLACED, ANY SOIL/MATERIAL CAN BE PLACED IN LAYER 'D' UP TO THE FINISHED GRADE. MOST PAVEMENT SUBBASE SOILS CAN BE USED TO REPLACE THE MATERIAL REQUIREMENTS OF LAYER 'C' OR 'D' AT THE SITE DESIGN ENGINEER'S DISCRETION.

SC-740 TECHNICAL SPECIFICATION
NTS

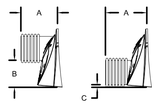




NOMINAL CHAMBER SPECIFICATIONS

SIZE (W X H X INSTALLED LENGTH)	51.0" X 30.0" X 85.4"	(1295 mm X 762 mm X 2169 mm)
CHAMBER STORAGE	45.9 CUBIC FEET	(1.30 m³)
MINIMUM INSTALLED STORAGE*	74.9 CUBIC FEET	(2.12 m³)
WEIGHT	75.0 lbs.	(33.6 kg)

*ASSUMES 6" (152 mm) STONE ABOVE, BELOW, AND BETWEEN CHAMBERS



PRE-FAB STUBS AT BOTTOM OF END CAP FOR PART NUMBERS ENDING WITH "B"
PRE-FAB STUBS AT TOP OF END CAP FOR PART NUMBERS ENDING WITH "T"
PRE-CORED END CAPS END WITH "PC"

PART #	STUB	A	B	C
SC740EPE06T / SC740EPE06TPC	6" (150 mm)	10.9" (277 mm)	18.5" (470 mm)	---
SC740EPE06B / SC740EPE06BPC			---	0.5" (13 mm)
SC740EPE08T /SC740EPE08TPC	8" (200 mm)	12.2" (310 mm)	16.5" (419 mm)	---
SC740EPE06B / SC740EPE06BPC			---	0.6" (15 mm)
SC740EPE10T / SC740EPE10TPC	10" (250 mm)	13.4" (340 mm)	14.5" (368 mm)	---
SC740EPE10B / SC740EPE10BPC			---	0.7" (18 mm)
SC740EPE12T / SC740EPE12TPC	12" (300 mm)	14.7" (373 mm)	12.5" (318 mm)	---
SC740EPE12B / SC740EPE12BPC			---	1.2" (30 mm)
SC740EPE15T / SC740EPE15TPC	15" (375 mm)	18.4" (467 mm)	9.0" (229 mm)	---
SC740EPE15B / SC740EPE15BPC			---	1.3" (33 mm)
SC740EPE18T / SC740EPE18TPC	18" (450 mm)	19.7" (500 mm)	5.0" (127 mm)	---
SC740EPE18B / SC740EPE18BPC			---	1.6" (41 mm)
SC740EPE24B*	24" (600 mm)	18.5" (470 mm)	---	0.1" (3 mm)

ALL STUBS, EXCEPT FOR THE SC740EPE24B ARE PLACED AT BOTTOM OF END CAP SUCH THAT THE OUTSIDE DIAMETER OF THE STUB IS FLUSH WITH THE BOTTOM OF THE END CAP. FOR ADDITIONAL INFORMATION CONTACT STORMTECH AT 1-888-892-2694.

* FOR THE SC740EPE24B THE 24" (600 mm) STUB LIES BELOW THE BOTTOM OF THE END CAP APPROXIMATELY 1.75" (44 mm). BACKFILL MATERIAL SHOULD BE REMOVED FROM BELOW THE N-12 STUB SO THAT THE FITTING SITS LEVEL.

NOTE: ALL DIMENSIONS ARE NOMINAL

STORMTECH SC-740 DETAILS (A)
SCALE : N.T.S.

Chamber Model = ADS_StormTech SC-740 b +Cap (ADS StormTech® SC-740 with cap storage)
Effective Size= 44.6"W x 30.0"H => 6.45 sf x 7.12'L = 45.9 cf
Overall Size= 51.0"W x 30.0"H x 7.56'L with 0.44' Overlap
Cap Storage= 2.7 cf x 2 x 6 rows = 31.9 cf

51.0" Wide + 6.0" Spacing = 57.0" C-C Row Spacing

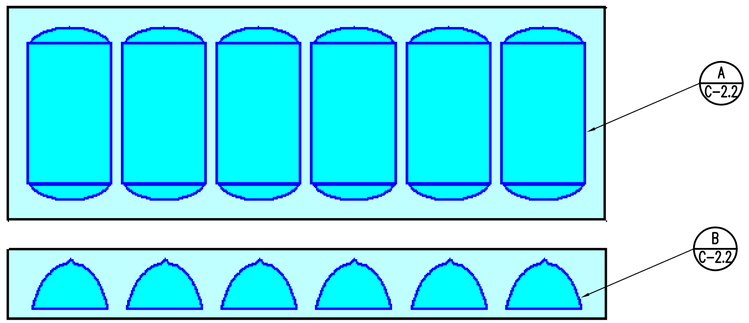
1 Chambers/Row x 7.12' Long +0.81' Cap Length x 2 = 8.74' Row Length +12.0" End Stone x 2 = 10.74' Base Length
6 Rows x 51.0" Wide + 6.0" Spacing x 5 + 12.0" Side Stone x 2 = 30.00' Base Width
6.0" Stone Base + 30.0" Chamber Height + 6.0" Stone Cover = 3.50' Field Height

6 Chambers x 45.9 cf + 2.7 cf Cap Volume x 2 x 6 Rows = 307.5 cf Chamber Storage

1,127.3 cf Field - 307.5 cf Chambers = 819.8 cf Stone x 40.0% Voids = 327.9 cf Stone Storage

Chamber Storage + Stone Storage = 635.4 cf = 0.015 af
Overall Storage Efficiency = 56.4%
Overall System Size = 10.74' x 30.00' x 3.50'

6 Chambers
41.8 cy Field
30.4 cy Stone



UNDERGROUND DETETNION SCHEMATIC (C)
SCALE : N.T.S.

UNDERGROUND DETETNION SECTION (B)
SCALE : N.T.S.

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EGGERTSVILLE HOSE COMPANY
EXTERIOR SITE IMPROVEMENTS
1880 EGGERT ROAD, AMHERST, NY 14226

FOR OFFICIAL TOWN OF AMHERST USE

STAMP/SEAL

	ISSUED FOR SITE PLAN REV.	1/21/25
	ISSUED FOR CLIENT REVIEW	1/3/25

DRAINAGE DETAILS

studio T3
Engineering, PLLC
2495 Main Street, Suite 301
Buffalo, New York 14214
Phone: (716) 803-6400
Fax: (716) 810-9504

DRAWN BY: AVT
CHECKED BY: RMT
JOB # 23-194A

SHEET
C-2.2

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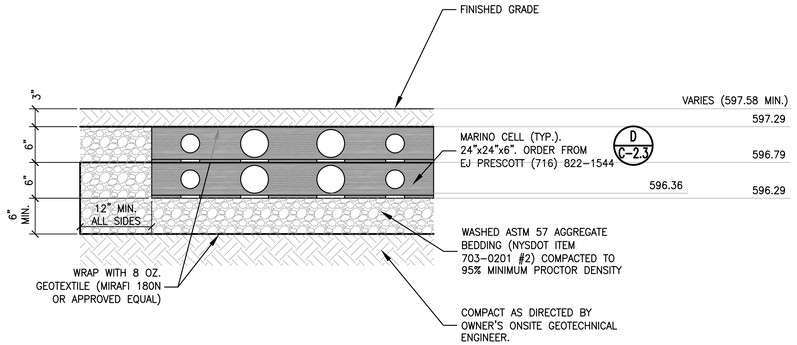
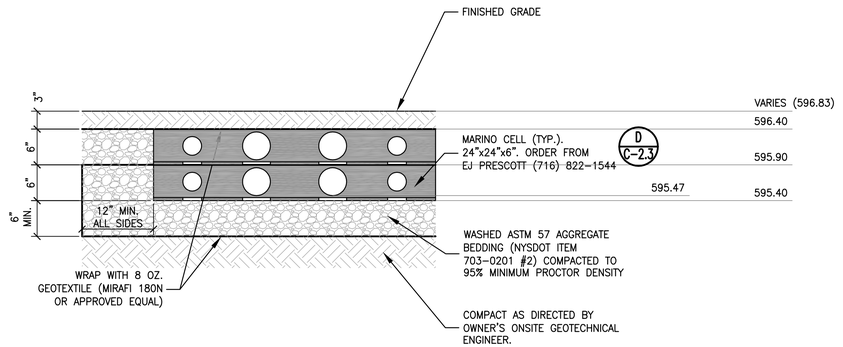
Attachment: SP-1994-18_B_drawings_032025 (29950 : SP-1994-18B, 1880 Eggert Road)



SECTION

PHASE 2 UNDERGROUND DETENTION (A)

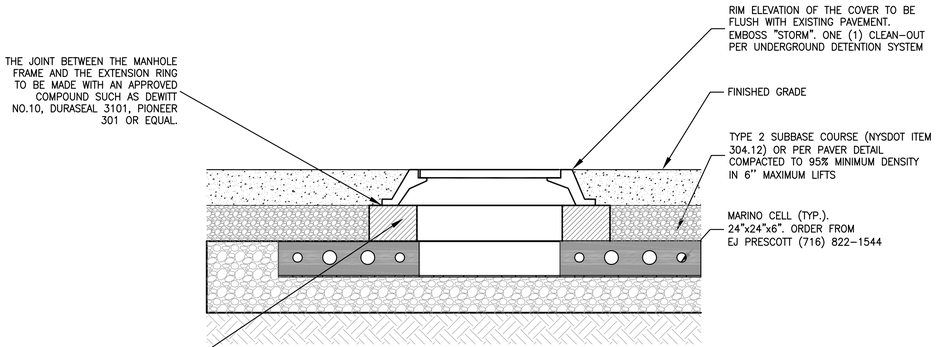
SCALE : 1" = 1'-0"



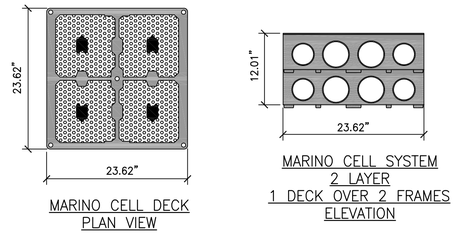
SECTION

PHASE 3 UNDERGROUND DETENTION (B)

SCALE : 1" = 1'-0"



SECTION A-A



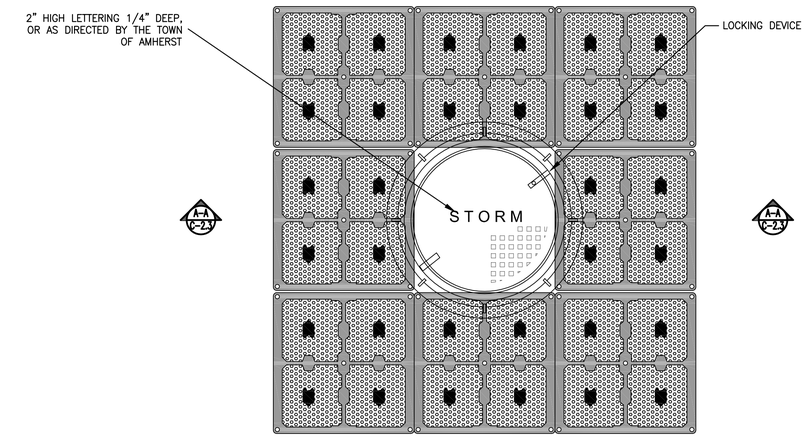
MARINO CELL DECK
PLAN VIEW

MARINO CELL SYSTEM
2 LAYER
1 DECK OVER 2 FRAMES
ELEVATION

UNDERGROUND DETENTION STANDARD DETAILS (D)

SCALE : 1" = 1'-0"

ORDER MARINO CELL SYSTEM FROM EJ PRESCOTT (716) 822-1544



CLEAN-OUT MANHOLE (C)

SCALE : 1" = 1'-0"

THE CONTRACTOR SHALL CONTACT THE DESIGN ENGINEER BEFORE EXCAVATION & CONSTRUCTION TO ENSURE HE/SHE HAS THE FINAL SET OF DESIGN DOCUMENTS AS ISSUED FOR CONSTRUCTION. THIS PLAN IS CURRENT AS OF THE DATE IT WAS ISSUED. SUBSEQUENT UPDATES OF THIS PLAN BY THE DESIGN ENGINEER DOES NOT AFFORD ANY TRANSFEREES THE RIGHT TO RECEIVE SAID UPDATES, BUT PLACES THE RESPONSIBILITY TO THE TRANSFEREE TO OBTAIN UPDATED PLANS WHICH ARE ISSUED FOR CONSTRUCTION AS THESE MAY DIFFER FROM PREVIOUS PLANS ISSUED FOR PERMIT OR BID.

EGGERTSVILLE HOSE COMPANY
EXTERIOR SITE IMPROVEMENTS
1880 EGGERT ROAD, AMHERST, NY 14226

STAMP/SEAL

	ISSUED FOR SITE PLAN REV.	1/21/25
	ISSUED FOR CLIENT REVIEW	1/3/25

FOR OFFICIAL TOWN OF AMHERST USE

DRAINAGE DETAILS

studio T3
Engineering, PLLC
2495 Main Street, Suite 301
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Fax: (716) 810-9504

DRAWN BY: AVT
CHECKED BY: RMT
JOB # 23-194A

SHEET
C-2.3

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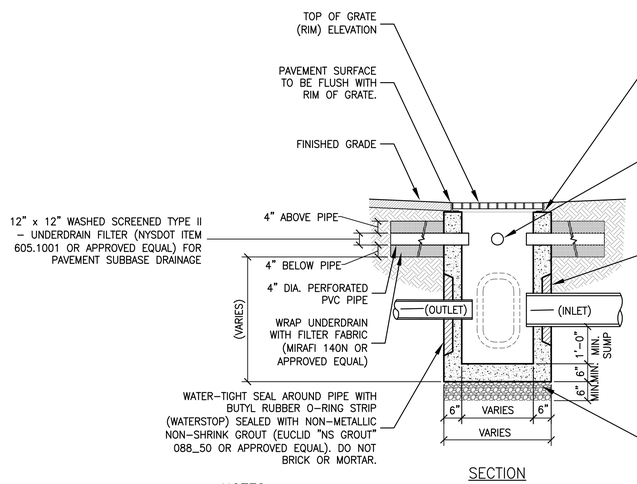
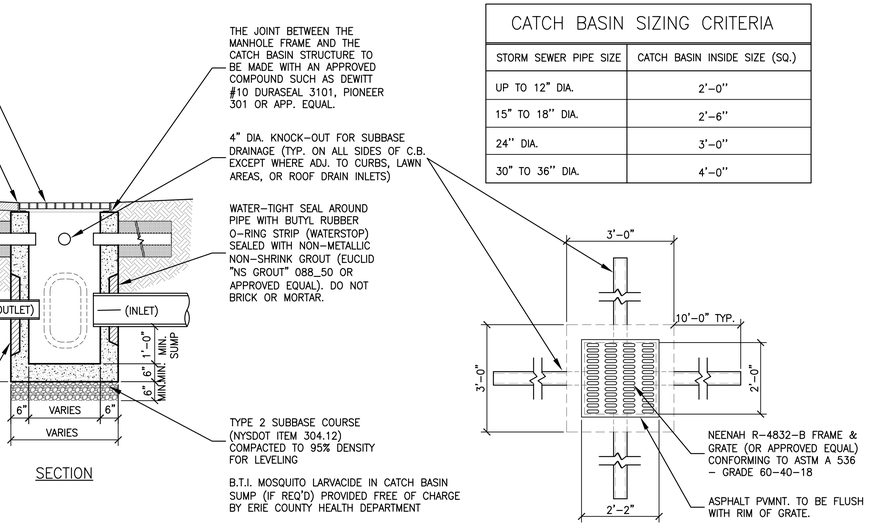
Attachment: SP-1994-18_B_drawings_032025 (29950 : SP-1994-18B, 1880 Eggert Road)



SECTION



CATCH BASIN SIZING CRITERIA	
STORM SEWER PIPE SIZE	CATCH BASIN INSIDE SIZE (SQ.)
UP TO 12" DIA.	2'-0"
15" TO 18" DIA.	2'-6"
24" DIA.	3'-0"
30" TO 36" DIA.	4'-0"

PLAN VIEW

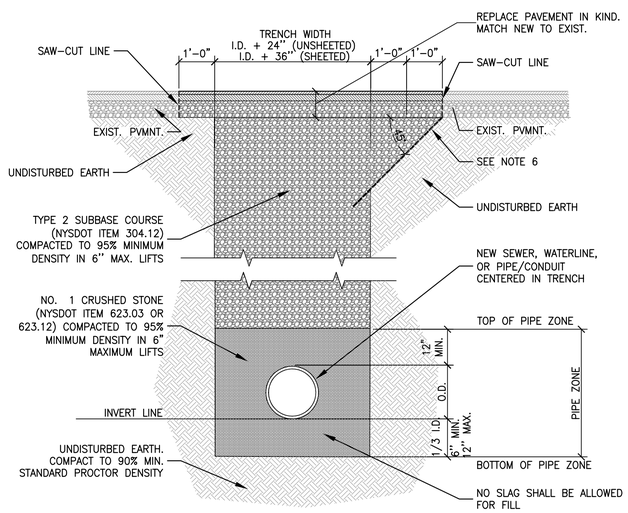
IF NECESSARY, ADJUST GRATES TO FIN. GRADE WITH KISTNER MH-RR6 (OR APPROVED EQUAL) EXTENSION RINGS. (A) THE JOINTS BETWEEN THE C.B. STRUCTURE AND THE EXTENSION RINGS SHALL BE MORTARED IN PLACE, (B) THE INDIVIDUAL RINGS SHALL NOT EXCEED 6" IN THICKNESS. THE TOTAL NUMBER PLACED SHALL BE LIMITED TO 2 OR A MAXIMUM OF 12" IN HEIGHT.

CATCH BASIN DETAIL (A)

SCALE : 1/2" = 1'-0"

NOTES:

1. USE KISTNER MODEL CB-2454 (OR APPROVED EQUAL) CONFORMING TO ASTM C 478 FOR NEW CATCH BASINS.
2. TYPE II UNDERDRAIN FILTER SHALL CONFORM TO NYSDOT TABLE 703-4, SIZE DESIGNATION 1A. (OPTIONAL: USE WASHED SCREENED PEA GRAVEL (NYSDOT ITEM 623.01 OR 623.10) CONFORMING TO NYSDOT TABLE 703-4, SIZE DESIGNATION.
3. FOR HANDICAP ACCESSIBLE PATHS GRATING OPENINGS SHALL NOT EXCEED ½" IN ONE DIRECTION. GRATING OPENINGS SHALL BE PLACED SO THAT THE LONG DIMENSION IS PERPENDICULAR TO THE PROMINENT DIRECTION OF TRAVEL.



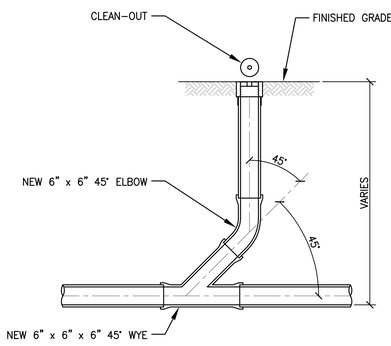
SECTION

PAVEMENT REPLACEMENT DETAIL (B)

SCALE : 1/2" = 1'-0"

NOTES

1. IF CONSTRUCTION IS PERFORMED BETWEEN OCTOBER 1 AND APRIL 1, THE CONTRACTOR IS REQUIRED TO PROVIDE 4" OF COLD PATCH FOR ALL PAVEMENT CUTS.
2. ALL OPEN CUTS WITHIN 50' OF AN INTERSECTION SHALL BE TOPPED WITH 4" OF COLD PATCH REGARDLESS OF THE TIME OF YEAR.
3. ALL ROAD CUTS ON HEAVILY TRAVELED HIGHWAYS ROADWAYS WILL REQUIRE 4" OF COLD PATCH (GENERALLY STATE AND COUNTY HIGHWAYS).
4. ALL TEMPORARY PAVEMENT PATCHES SHALL BE MAINTAINED BY THE CONTRACTOR.
5. SHEETING OR SHORING SHALL BE REQUIRED PER O.S.H.A. STANDARDS FOR WORKER SAFETY AND PROTECTION OF TRENCH AREA. ALL SHORING AND TRENCHING SHALL BE DONE AS DIRECTED BY THE OWNER'S ON-SITE GEOTECHNICAL ENGINEER AND SHALL REMAIN IN PLACE UNTIL ALL TRENCHING OPERATIONS ARE COMPLETED.
6. SELECT FILL (NYSDOT ITEM 304.12) IS REQUIRED BENEATH NON-PAVED AREAS ADJACENT TO PAVED AREAS IF THE 45° LINE SHOWN ABOVE INTERCEPTS THE TRENCH ABOVE THE PIPE ZONE.
7. PIPE BEDDING AND MATERIAL AROUND THE PIPE ("NO. 1 CRUSHED STONE") SHALL CONFORM TO NYSDOT TABLE 703-4, SIZE DESIGNATION 1, MATERIAL DESIGNATION 702-0201. OPTIONAL: PIPE BEDDING MATERIAL SHALL CONFORM TO CLASS I, II, OR III AS PER ASTM D 2321.
8. PAVEMENT CUTS BY THE CONTRACTOR WILL BE MADE WITH A SAW, PNEUMATIC SPADE OR OTHER ACCEPTED MEANS PRIOR TO EXCAVATION.
9. FINAL PAVEMENT RESTORATION: THE CONTRACTOR WILL BE RESPONSIBLE TO SAW CUT AN ADDITIONAL 12" ON EACH SIDE OF THE DISTURBED TRENCH AREA, SO AS TO PROVIDE A UNIFORM STRAIGHT EDGE. THE CUT EDGE WILL THEN BE COATED WITH A BITUMINOUS SEAL COAT AND REPLACED IN THE MANNER DESCRIBED ABOVE.



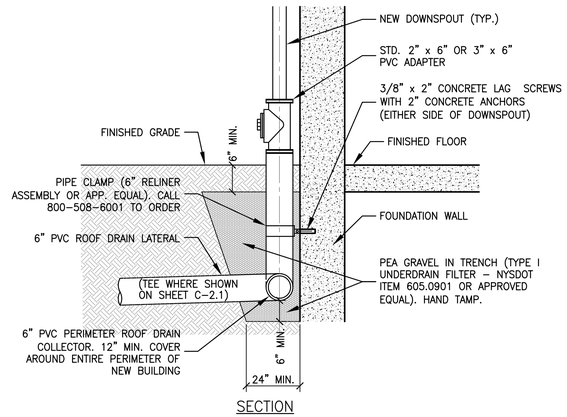
SECTION

CLEAN-OUT DETAIL (C)

SCALE :1/2" = 1'-0"

NOTES

1. CLEAN-OUT BODIES SHALL BE PVC MODEL 2-115 STANDARD FERRULE TYPE AND CLEAN-OUT PLUG SHALL BE CAST IRON, S-PLAIN COUNTERSUNK AS MANUFACTURED BY TYLER PIPE, OR APP. EQUAL.
2. IN TRAFFIC AREAS A CONCRETE COLLAR SHALL BE POURED AROUND THE CLEAN-OUT.
3. CLEAN-OUTS SHALL BE LOCATED NOT MORE THAN 100 FEET APART MEASURED FROM THE UPSTREAM ENTRANCE OF THE CLEAN-OUT.



SECTION

PIPE ANCHORING DETAIL (D)

SCALE : 3/4" = 1'-0"

FOR OFFICIAL TOWN OF AMHERST USE

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SHEET C-2.4

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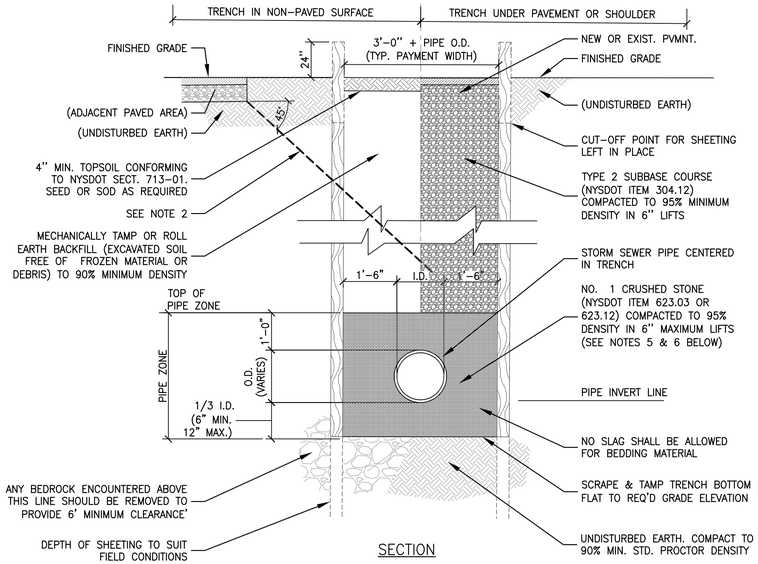


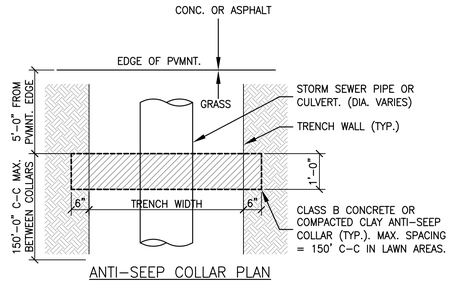
SECTION

STORM SEWER TRENCH (A)

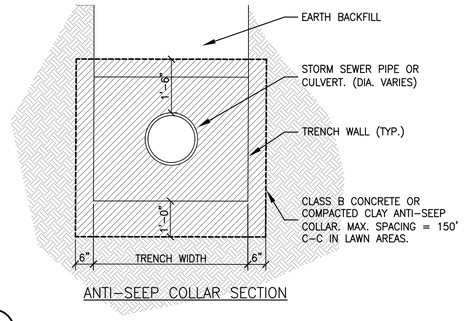
SCALE 1/2" = 1'-0"

NOTES

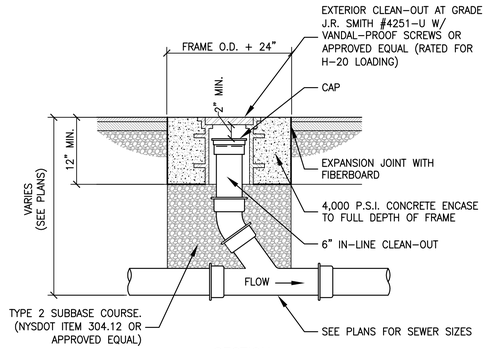
1. TRENCHING OPERATIONS SHALL INCLUDE ALL NECESSARY DEWATERING.
2. SELECT FILL (NYSDOT ITEM 304.12) IS REQUIRED BENEATH NON-PAVED AREAS ADJACENT TO PAVED AREAS IF THE 45° LINE SHOWN ABOVE INTERCEPTS THE TRENCH ABOVE THE PIPE ZONE.
3. PIPE BEDDING AND MATERIAL AROUND THE PIPE ("NO. 1 CRUSHED STONE") SHALL CONFORM TO NYSDOT TABLE 703-4, SIZE DESIGNATION 1, MATERIAL DESIGNATION 703-0201. OPTIONAL: PIPE BEDDING MATERIAL SHALL CONFORM TO CLASS I, II, OR III AS PER ASTM D 2321.
4. COMPACTED CLAY OR CLASS B CONCRETE ANTI-SEEPAGE COLLARS SHALL BE USED IN GRASS AREAS TO ELIMINATE THE POSSIBILITY OF PIPE UNDERMINING DUE TO SEEPAGE THROUGH THE PIPE ZONE. (SEE DETAIL RIGHT).
5. IF SOFT MATERIALS OF POOR LOAD-BEARING QUALITY ARE FOUND AT THE BOTTOM OF THE TRENCH, STABILIZATION SHALL BE ACHIEVIED BY EXCAVATING A MINIMUM OF TWO PIPE DIAMETERS AND BACKFILLING TO THE PIPE INVERT WITH PIPE BEDDING AND COMPACTING TO 95% DENSITY AS IN NOTE 5 ABOVE.



ANTI-SEEP COLLAR PLAN



ANTI-SEEP COLLAR SECTION



SECTION

PAVED AREA CLEAN-OUT DETAIL (B)

SCALE : 3/4" = 1'-0"

NOTES

1. CLEAN-OUT BODIES SHALL BE PVC MODEL 2-115 STANDARD FERRULE TYPE AND CLEAN-OUT PLUG SHALL BE CAST IRON, S-PLAIN COUNTERSUNK AS MANUFACTURED BY TYLER PIPE, OR APP. EQUAL.
2. CLEAN-OUTS SHALL BE LOCATED NOT MORE THAN 100 FEET APART MEASURED FROM THE UPSTREAM ENTRANCE OF THE CLEAN-OUT.

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SHEET C-2.5

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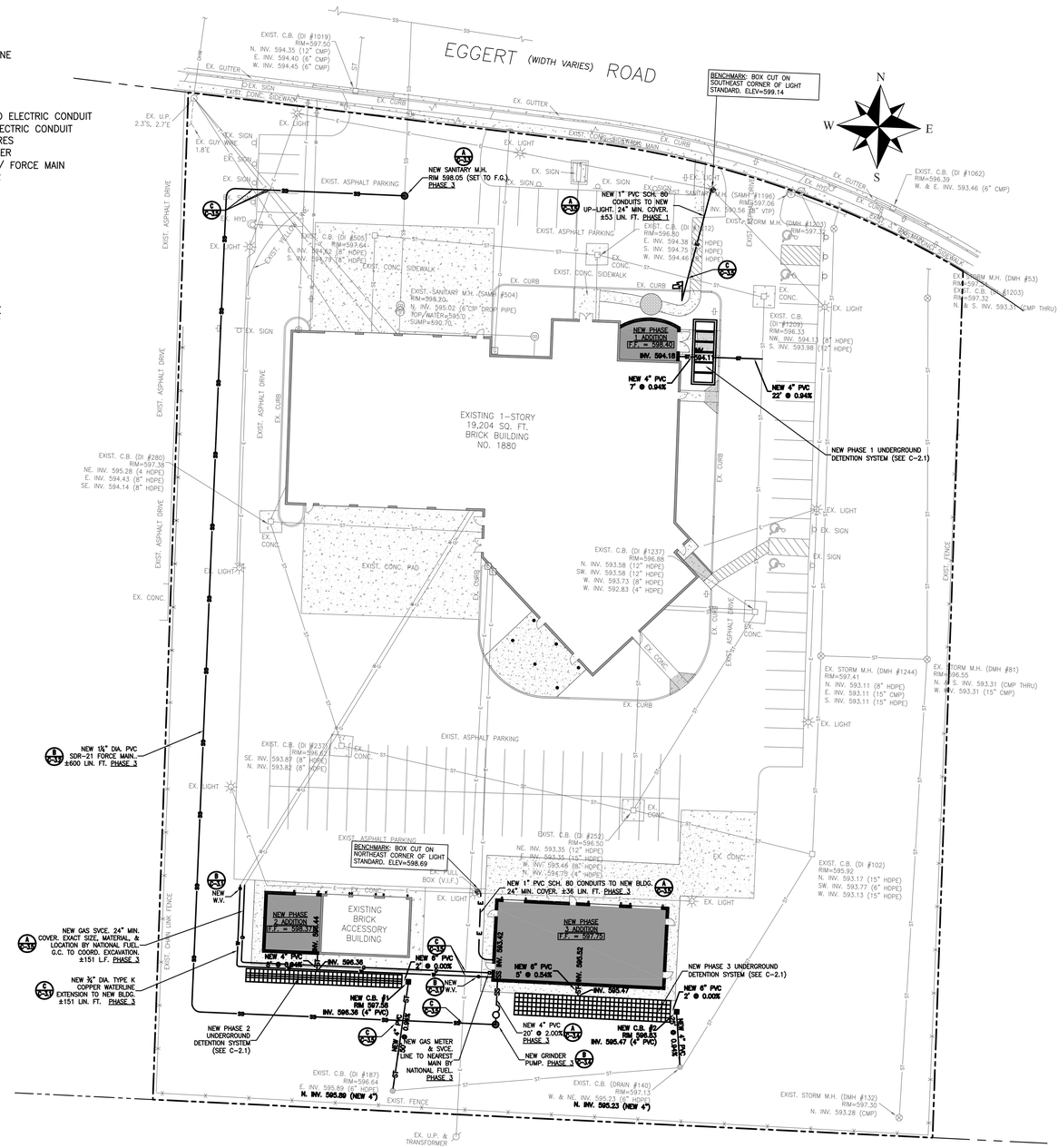
Attachment: SP-1994-18_B_drawings_032025 (29950 : SP-1994-18B, 1880 Eggert Road)

NOTES

1. FOR REFERENCE INFORMATION SEE TOPOGRAPHIC SURVEY PREPARED BY FRANDINA ENGINEERING & SURVEYING DATED FEBRUARY 7, 2024 AND IDENTIFIED AS JOB NO. 4954, INCLUDED WITH THIS SET OF SITE PLANS.
2. FOR REFERENCE ALSO SEE EXACT UTILITY CONNECTION LOCATIONS AND DEPTHS ON ARCHITECTURAL, MECHANICAL, ELECTRICAL, H.V.A.C., AND PLUMBING PLANS.
3. EXISTING SERVICE UTILITY CONNECTIONS TO BE ABANDONED OR DISCONTINUED SHALL BE SHUT OFF BY THE RESPECTIVE UTILITY AGENCY PRIOR TO THE START OF WORK.
4. EXISTING UNDERGROUND UTILITY LINES TO REMAIN WHICH ARE UNCOVERED BY EXCAVATION SHALL BE ADEQUATELY SUPPORTED AND PROTECTED DURING EARTHWORK ACTIVITIES.
5. THE CONTRACTOR SHALL PROVIDE SLEEVES THROUGH NEW FOUNDATION WALLS AS NECESSARY FOR PROTECTING EXISTING AND PROPOSED UTILITY LINES.
6. A MINIMUM 1 FOOT (12 INCH) SEPARATION DISTANCE IS REQUIRED AT WATERLINE AND SANITARY SEWER CROSSINGS, OR ELSE THE WATERLINE SHALL BE SLEEVED TO 5 FEET HORIZONTALLY FROM THE CENTERLINE OF THE SANITARY SEWER ON BOTH SIDES OF THE CROSSING. ALL WATERLINES SHALL CROSS ABOVE SANITARY SEWERS.
7. WHERE WATERLINES ARE LOCATED PARALLEL TO SANITARY SEWERS, THERE SHALL BE A MINIMUM HORIZONTAL SEPARATION DISTANCE OF 5 FEET (60 INCHES) FROM OUTSIDE OF THE WATERLINE AND THE SANITARY SEWER.
8. ALL NEW GAS, TELEPHONE (LAND LINE), CABLE (FIBEROPTIC), AND ELECTRICAL UTILITIES SHALL BE DESIGNED, SIZED, AND INSTALLED IN COORDINATION WITH EACH RESPECTIVE UTILITY AGENCY.
9. ALL NEW WATERLINE PIPING SHALL BE INSTALLED WITH A MIN. 5'-0" (60 INCH) DEPTH OF COVER.
10. THE NEW WATERLINE (INCLUDING THE NEW VALVES AND VALVE BOXES) SHALL BE INSTALLED BY THE CONTRACTOR AND PRIVATELY OWNED AND MAINTAINED.
11. PRIOR TO THE BEGINNING OF THE NEW WATER SERVICE, ALL NEW WATERLINES SHALL BE PURGED AND DISINFECTED IN CONFORMANCE WITH THE LATEST AWWA C651, AWWA C652, OR SECTION 610.1 OF THE NYS PLUMBING CODE
12. THE DESIGN ENGINEER (STUDIO T3) IS NOT RESPONSIBLE FOR ANY UTILITIES NOT SHOWN ON THE SURVEY OR ANY ACCIDENTAL RUPTURES DURING EXCAVATION OR CONSTRUCTION. THE DESIGN ENGINEER (STUDIO T3) AND THE RESPECTIVE UTILITY COMPANIES SHALL BE IMMEDIATELY NOTIFIED BY THE CONTRACTOR UPON DISCOVERY OF ANY SUCH ABOVEGROUND OR UNDERGROUND UTILITIES NOT SHOWN ON THE SURVEY. WORK SHALL BE IMMEDIATELY SUSPENDED AND NOT COMMENCE UNTIL SUCH DISCOVERED UTILITIES ARE IDENTIFIED AND THE DESIGN ENGINEER (STUDIO T3) ISSUES EITHER A WRITTEN APPROVAL OR A SIGNED REVISED PLAN. IF NECESSARY AN UNDERGROUND UTILITY SURVEY SHALL BE DONE PRIOR TO EXCAVATION AND CONSTRUCTION IN ORDER TO ELIMINATE DELAYS RESULTING FROM INTERFERENCE WITH UN-DOCUMENTED OR UN-LOCATED BURIED UTILITIES ENCOUNTERED.
13. THE DESIGN ENGINEER (STUDIO T3) SHALL BE IMMEDIATELY CONTACTED UPON DISCOVERY OF ANY ABOVEGROUND OR BELOW GROUND OBJECTS NOT SHOWN ON THE BACKGROUND SURVEY THAT ARE UNCOVERED DURING EXCAVATION OR CONSTRUCTION (BUILDING FOUNDATIONS, BURIED VAULTS, TREES, SIDEWALKS, PAVEMENT, RAILINGS, SIGNS, STOCKPILES, STUMPS, OR SIMILAR) WHICH WILL INTERFERE OR CONFLICT WITH ANY PROPOSED WORK SHOWN ON THESE PLANS. WORK SHALL BE IMMEDIATELY SUSPENDED AND NOT COMMENCE UNTIL SUCH DISCOVERED OBJECTS ARE IDENTIFIED AND THE DESIGN ENGINEER (STUDIO T3) ISSUES EITHER A WRITTEN APPROVAL OR A SIGNED REVISED PLAN.
14. ALL NEW GRAVITY SANITARY SEWERS SHALL BE PVC (SDR-35) AND SHALL CONFORM TO ASTM D 3034, ASTM D 2665, ASTM D 2949, ASTM F 891, CSA B182.2, OR CAN/CSA-B182.4 STANDARDS.
15. ALL NEW COPPER WATERLINES SHALL MEET OR EXCEED THE LATEST ASTM B 75, B 88, B 251, OR B 447 SPECIFICATIONS, AS WELL AS NSF 61.
16. ALL NEW WATERLINES, VALVES, AND APPURTENANCES THAT ARE IN CONTACT WITH POTABLE WATER SHALL BE NSF/ANSI 61 CERTIFIED.
17. NATIONAL FUEL SHALL SUPPLY, INSTALL, OWN, AND MAINTAIN THE NEW GAS METER. NYSEG/NATIONAL FUEL SHALL ALSO TAP, INSTALL, AND OWN THE NEW GAS SERVICE LINE FROM MAIN TO NEW METER. THE CONTRACTOR SHALL CONTACT NATIONAL FUEL FOR INSTRUCTIONS, INSTALLATION COORDINATION, INSPECTION APPOINTMENTS, PERMIT APPLICATIONS, AND FEES.
18. NATIONAL GRID SHALL SUPPLY THE NEW ELECTRIC SUB-METER. THE CONTRACTOR SHALL INSTALL THE NEW ELECTRIC SUB-METER AND ELECTRIC CONDUITS IN COORDINATION WITH NATIONAL GRID. NATIONAL GRID SHALL ALSO TAP THE NEW SERVICE TO THE NEAREST EXISTING HAND HOLE / CONDUIT. THE CONTRACTOR SHALL CONTACT NATIONAL GRID FOR INSTRUCTIONS, INSTALLATION COORDINATION, INSPECTION APPOINTMENTS, PERMIT APPLICATIONS, AND FEES.
19. THE CONTRACTOR SHALL MAINTAIN A MINIMUM 12" VERTICAL SEPARATION DISTANCE BETWEEN EXISTING GAS AND ELECTRIC LINES AND NEW WATERLINES, STORM, OR SANITARY SEWERS. ALL NEW UNDERGROUND UTILITIES SHALL PASS BENEATH EXISTING ELECTRIC AND GAS LINES UNLESS CONSENT IS OTHERWISE GIVEN BY THE SERVICE PROVIDER OR EASEMENT OWNER.
20. THE CONTRACTOR SHALL PERFORM ALL APPLICABLE TESTS AS REQUIRED IN THE NYS PLUMBING CODE SECTIONS 312.2 THRU 312.9 AND AWWA C600.
21. ALL JOINTS OR JOINT SYSTEMS FOR SANITARY SEWERS OR LATERALS SHALL BE WATER-TIGHT TO LIMIT LEAKAGE TO A MAXIMUM RATE OF 100 GALLONS PER INCH-DIAMETER PER MILE PER DAY.
22. PER SECTION 107.2 OF THE NYS PLUMBING CODE, THE CONTRACTOR SHALL NOTIFY THE TOWN OF AMHERST PLUMBING INSPECTOR AT (716) 631-7080 TO SCHEDULE INSPECTIONS. UNDERGROUND INSPECTIONS SHALL BE MADE AFTER TRENCHES ARE EXCAVATED, PIPING INSTALLED, AND BEFORE ANY BACKFILL IS PUT IN PLACE. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO NOTIFY THE PLUMBING INSPECTOR WHEN WORK IS READY FOR INSPECTION. EQUIPMENT, MATERIAL, AND LABOR REQUIRED FOR TESTING SHALL BE FURNISHED BY THE CONTRACTOR.
23. NEW WATERLINES, FITTINGS, AND FIXTURES SHALL COMPLY WITH NSF 372 AND SHALL HAVE A WEIGHTED LEAD CONTENT OF 0.25% OR LESS.
24. THE DESIGN ENGINEER (STUDIO T3) IS NOT RESPONSIBLE FOR CONSTRUCTION SITE SAFETY AND COMPLIANCE WITH THE LATEST OSHA STANDARDS OR INDUSTRIAL CODE RULE 57 DURING CONSTRUCTION.
25. ANY DAMAGED PROPERTY WITHIN THE PROJECT SITE OR ADJACENT PROJECT SITES SHALL BE RESTORED IN KIND.
26. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TEMPORARY SHORING AND UNDERPINNING EXPOSED FOUNDATIONS ADJACENT TO EXCAVATIONS. THE STRUCTURAL ENGINEER SHALL BE CONTACTED FOR ASSOCIATED DETAILS.
27. ANY DEVIATION FROM ANY PLANS IN THIS DRAWING SET SHALL REQUIRE APPROVAL OF THE DESIGN ENGINEER (STUDIO T3) AND THE TOWN OF AMHERST PLANNING AND BUILDING DEPARTMENTS, AS WELL AS THE APPROPRIATE UTILITY COMPANIES AND SERVICE PROVIDERS. ANY AND ALL CHANGES MADE WITHOUT NOTIFICATION OR APPROVAL OF THE DESIGN ENGINEER (STUDIO T3) SHALL BE CONSIDERED UNAUTHORIZED AND THE DESIGN ENGINEER (STUDIO T3) SHALL NOT BE LIABLE FOR ANY DAMAGES, DELAYS, ADDITIONAL COSTS INCURRED, OR ANY OTHER CONSEQUENCES ARISING FROM SUCH CHANGES.
28. ALL CONTRACTORS AND SUBCONTRACTORS SHALL BE INSURED AND LICENSED IN THE STATE OF NEW YORK, THE COUNTY OF ERIE, AND THE TOWN OF AMHERST.
29. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PAYING ALL NECESSARY FEES AND OBTAINING ALL NECESSARY PERMITS PRIOR TO THE START OF CONSTRUCTION. CONTACT THE TOWN OF AMHERST BUILDING DEPARTMENT (716) 631-7080 FOR INSTRUCTIONS, PERMIT APPLICATIONS, AND FEES.

LEGEND

- EXISTING TELEPHONE LINE
- EXISTING GAS LINE
- NEW GAS LINE
- EXISTING WATERLINE
- NEW WATERLINE
- EXISTING UNDERGROUND ELECTRIC CONDUIT
- NEW UNDERGROUND ELECTRIC CONDUIT
- EXISTING OVERHEAD WIRES
- EXISTING SANITARY SEWER
- NEW SANITARY SEWER / FORCE MAIN
- EXISTING STORM SEWER
- NEW STORM SEWER
- EXISTING CATCH BASIN
- NEW CATCH BASIN
- EXISTING GAS VALVE
- NEW GAS VALVE
- EXISTING WATER VALVE
- NEW WATER VALVE
- EXISTING MANHOLE
- NEW MANHOLE
- EXISTING UTILITY POLE
- EXISTING LIGHT FIXTURE
- EXISTING FIRE HYDRANT
- EXISTING CLEAN-OUT
- NEW CLEAN-OUT



SITE UTILITY PLAN

SCALE : 1"= 30'-0"

0 30 60 120

SEWAGE LOAD = 400 GPD

FOR OFFICIAL TOWN OF AMHERST USE

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EGGERTSVILLE HOSE COMPANY EXTERIOR SITE IMPROVEMENTS 1880 EGGERT ROAD, AMHERST, NY 14226

STAMP/SEAL

ISSUED FOR SITE PLAN REV.	1/21/25
ISSUED FOR CLIENT REVIEW	1/3/25

SITE UTILITY PLAN

studio T3
Engineering, PLLC
2495 Main Street, Suite 301
Buffalo, New York 14214
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DRAWN BY: AVT
CHECKED BY: RMT
JOB # 23-194A

SHEET C-3.0

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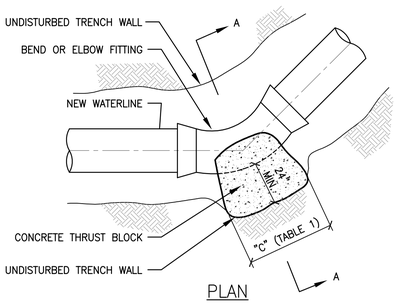
Attachment: SP-1994-18_B_drawings_032025 (29950 : SP-1994-18B, 1880 Eggert Road)

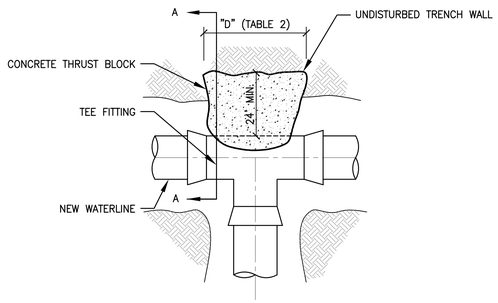
BENDS

11-¼° TO 90°



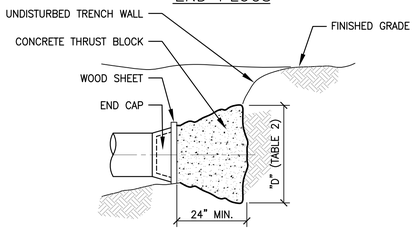
PLAN

TEES

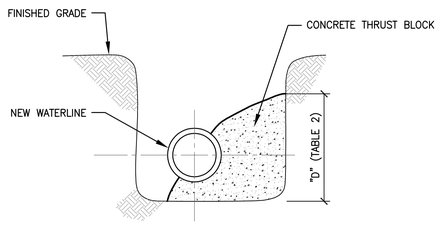


PLAN

END PLUGS



SECTION



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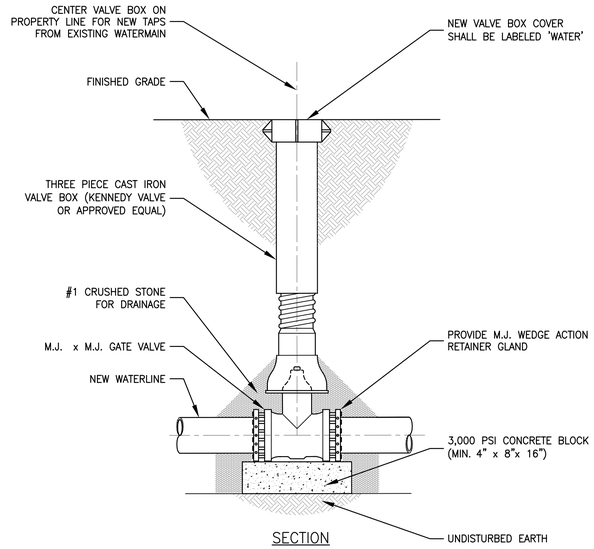


SECTION

WATER VALVE & VALVE BOX DETAIL (B)

SCALE : 1" = 1'-0"

NOTES

1. VALVE SHALL NOT SUPPORT VALVE BOX.

TABLE 1

PIPE DIA. (inches)	11 1/4°-22 1/2° "C" DIM.	11 1/4°-22 1/2° CONC. (CU. YD.)	22 1/2° -45° "C" DIM.	22 1/2° -45° CONC. (CU. YD.)	45° - 67 1/2° "C" DIM.	45° - 67 1/2° CONC. (CU. YD.)	67 1/2° - 90° "C" DIM.	67 1/2° - 90° CONC. (CU. YD.)
3/4 - 6	4"	0.03	8"	0.07	12"	0.10	15"	0.14
8	6"	0.07	11"	0.14	15"	0.21	22"	0.28

TABLE 2

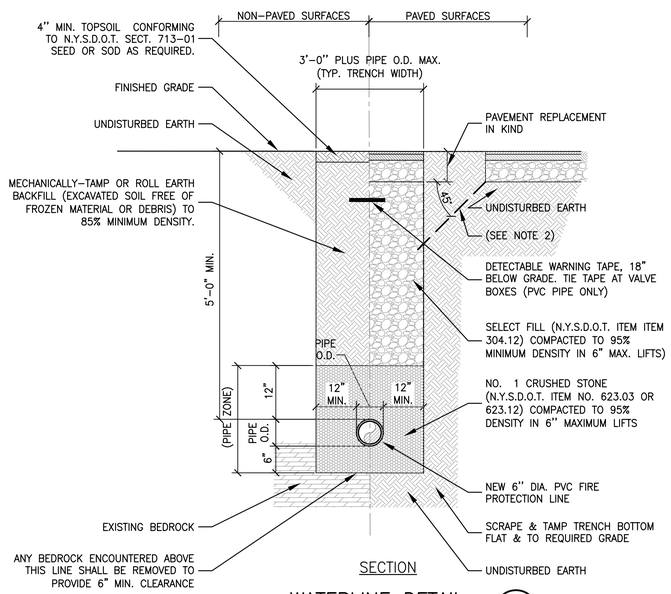
PIPE DIA. (inches)	"C" DIM.	CONCRETE VOLUME (CUBIC YARDS) TEE & END PLUG	BEND
6	0-9	0.06	0.13
8	1-2	0.18	0.25

THRUST BLOCK DETAILS (A)

SCALE : 2" = 1'-0"

NOTE:

THRUST BLOCK TO BE PLACED SO AS TO ALLOW REMOVAL OF MECHANICAL JOINT BOLTS OR SLIP-ON PIPE. CLASS "A" CONCRETE 5 DAY CURE BEFORE PRESSURE TEST HIGH EARLY CLASS "F" 2 DAY CURE BEFORE PRESSURE TEST.



SECTION

WATERLINE DETAIL (C)

SCALE : 3/4" = 1'-0"

NOTES:

1. THE DESIGN ENGINEER SHALL NOT BE RESPONSIBLE FOR THE DESIGN OF TRENCH SHEETING OR SHORING REQUIRED AS PER THE LATEST O.S.H.A. STANDARDS, OR FOR WORKER SAFETY AND PROTECTION TRENCH AREAS. THE OWNER'S ON-SITE GEOTECHNICAL ENGINEER SHALL DESIGN, OBSERVE THE INSTALLATION, AND APPROVE THE TRENCH SHIELDING DURING TRENCH OPERATIONS.
2. SELECT FILL (N.Y.S.D.O.T. ITEM 304.12) IS REQUIRED FOR FULL DEPTH UNDER DRIVEWAYS, ROAD CROSSINGS, AND IF THE 45° LINE SHOWN ABOVE INTERCEPTS THE TRENCH ABOVE THE PIPE ZONE.
3. PIPE BEDDING AND MATERIAL AROUND THE PIPE ("NO. 1 CRUSHED STONE") SHALL CONFORM TO N.Y.S.D.O.T. TABLE 703-4, SIZE DESIGNATION 1, MATERIAL DESIGNATION 702-0201. OPTIONAL: CLASS I, II, OR III MATERIALS AS PER ASTM D 2321
4. IF SOFT MATERIALS OF POOR LOAD-BEARING QUALITY ARE FOUND AT THE BOTTOM OF THE TRENCH, STABILIZATION SHALL BE ACHIEVING BY EXCAVATING A MINIMUM OF TWO PIPE DIAMETERS AND BACKFILLING TO THE PIPE INVERT WITH PIPE BEDDING AND COMPACTING TO 95% MINIMUM PROCTOR DENSITY.

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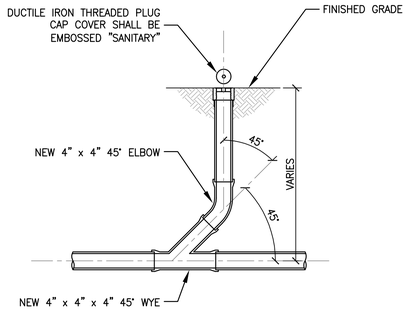


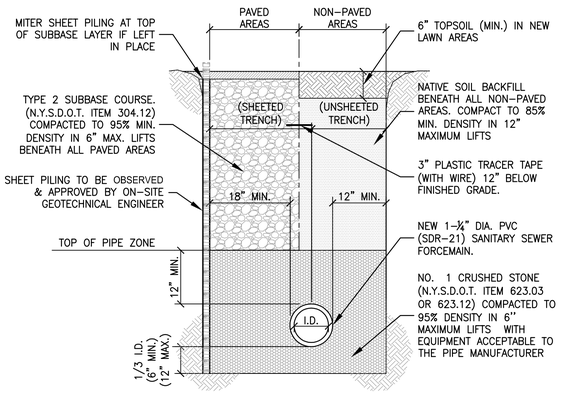
SECTION

SANITARY CLEAN-OUT DETAIL (A)

SCALE : 1/2" = 1'-0"

NOTES:

1. CLEAN-OUT BODIES SHALL BE PVC MODEL 2-115 STANDARD FERRULE TYPE AND CLEAN-OUT PLUG SHALL BE CAST IRON, S-PLAIN COUNTERSUNK AS MANUFACTURED BY TYLER PIPE, OR APP. EQUAL.
2. IN TRAFFIC AREAS A CONCRETE COLLAR SHALL BE POURED AROUND THE CLEAN-OUT.
3. CLEAN-OUTS SHALL BE LOCATED NOT MORE THAN 100 FEET APART MEASURED FROM THE UPSTREAM ENTRANCE OF THE CLEAN-OUT.



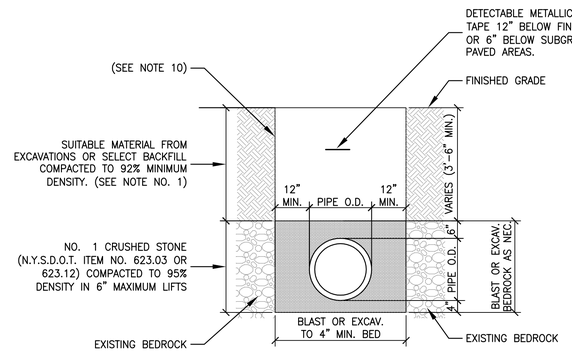
SECTION

FORCEMAIN DETAIL (B)

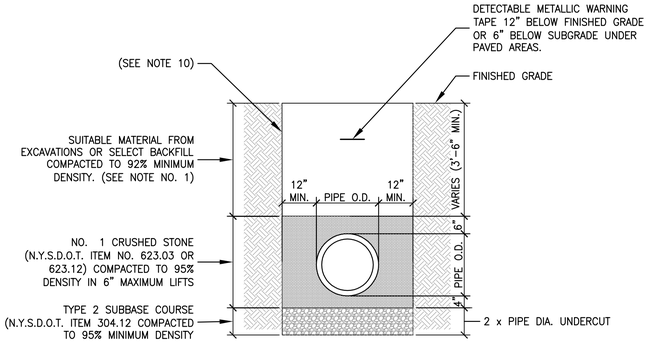
SCALE : 3/4" = 1'-0"

NOTES:

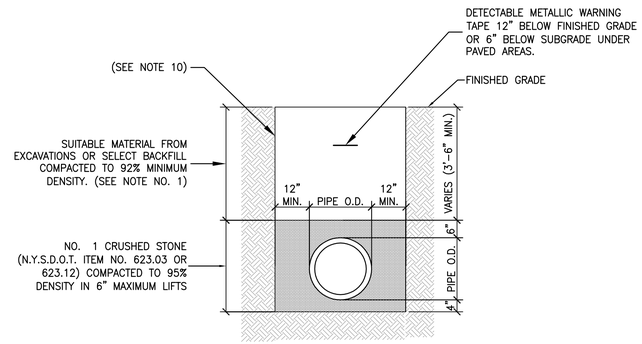
1. PIPE INSTALLATION SHALL BE IN CONFORMANCE TO MANUFACTURER'S INSTALLATION INSTRUCTIONS.
2. FORCE MAIN MARKERS SHALL BE INSTALLED AT 500 FOOT INTERVALS AND AT POINTS WHERE THE FORCE MAIN DEFLECTS OR CHANGES DIRECTIONS.
3. THE DESIGN ENGINEER SHALL NOT BE RESPONSIBLE FOR THE DESIGN OF TRENCH SHEETING OR SHORING REQUIRED AS PER THE LATEST O.S.H.A. STANDARDS, OR FOR WORKER SAFETY AND PROTECTION TRENCH AREAS. THE OWNER'S ON-SITE GEOTECHNICAL ENGINEER SHALL DESIGN, OBSERVE THE INSTALLATION, AND APPROVE THE TRENCH SHIELDING DURING TRENCH OPERATIONS.
4. PIPE BEDDING AND MATERIAL AROUND THE PIPE ("NO. 1 CRUSHED STONE") SHALL CONFORM TO N.Y.S.D.O.T. TABLE 703-4, SIZE DESIGNATION 1, MATERIAL DESIGNATION 702-0201. SLAG SHALL NOT BE ALLOWED. OPTIONAL: PIPE BEDDING MATERIAL SHALL CONFORM TO CLASS I, II, OR III AS PER ASTM D 2321.



BEDROCK CONDITION



UNSTABLE TRENCH BOTTOM CONDITIONS



STABLE TRENCH BOTTOM CONDITIONS

SANITARY SEWER TRENCH DETAILS (C)

SCALE : 1/2" = 1'-0"

SANITARY SEWER NOTES

1. MATERIALS
   a. BEDDING MATERIAL AND MATERIAL AROUND PIPE ("NO. 1 CRUSHED STONE") SHALL CONFORM TO THE GRADATION IN N.Y.S.D.O.T. TABLE 703-4, SIZE DESIGNATION 1, MATERIAL DESIGNATION 702-0201. OPTIONAL: PIPE BEDDING MATERIAL SHALL CONFORM TO CLASS I, II, OR III AS PER ASTM D 2321.
   b. UNDER ALL PAVED AREAS, BACKFILL ABOVE THE BEDDING MATERIAL SHALL BE WITH SELECT FILL.
   c. SELECT FILL SHALL BE TYPE 2 SUBBASE COURSE (N.Y.S.D.O.T. ITEM 304.12) COMPACTED TO 95% MINIMUM DENSITY IN 6" MAXIMUM LIFTS.
   d. UNDER LAWN AREAS, BACKFILL ABOVE THE BEDDING MATERIAL MAY BE WITH SUITABLE MATERIAL FROM THE EXCAVATIONS.
   e. SUITABLE MATERIAL FROM THE EXCAVATIONS SHALL BE ANY MINERAL (INORGANIC) SOIL FREE OF FROZEN MATERIAL, MUCK, PEAT, TOPSOIL, AND SOD.
   f. WHEN UNSTABLE TRENCH BOTTOM CONDITIONS ARE ENCOUNTERED,THE UNSTABLE TRENCH BOTTOMS SHALL BE UNDERCUT AND BACKFILLED WITH TYPE 2 SUBBASE COURSE (N.Y.S.D.O.T. ITEM NO. 304.12) COMPACTED TO 95% MIN. DENSITY, OR AS DIRECTED BY OWNER'S ON-SITE GEOTECHNICAL ENGINEER.
2. COMPACTION IS REQUIRED FOR ALL BEDDING, SELECT FILL AND BACKFILL WORK. SEE DETAILS AND SPECIFICATIONS FOR REQUIREMENTS.
3. ALL SANITARY SEWER MANHOLE COVERS SHALL BE EMBOSSED"SANITARY" AND "FATAL IF ENTERED".
4. ALL INTERIOR FLOOR DRAINS SHALL BE CONNECTED TO THE SANITARY SEWER. FOUNDATION OR FOOTER DRAINS INSTALLED TO INTERCEPT GROUNDWATER SHALL NOT DISCHARGE TO THE SANITARY SEWER. ALL DISCHARGES TO THE SANITARY SEWER MUST COMPLY WITH THE EFFLUENT LIMITS OF THE LOCAL SEWER USE LAW. INFILTRATION AND EXFILTRATION TESTING SHALL BE PERFORMED WITH RATES LIMITED TO 100 GALLONS PER MILE PER INCH DIAMETER OF PIPE PER 24 HOURS FOR SANITARY SEWERS.
5. DEFLECTION AND INFILTRATION TESTS SHALL BE PERFORMED PER NYS PLUMBING CODES.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING PROPOSED RIM ELEVATIONS IN RELATION TO FINISHED GRADES PRIOR TO INSTALLATION.
7. PIPE CONNECTIONS TO SANITARY SEWER MANHOLES SHALL CONFORM TO THE LATEST A.S.T.M. C-923 ("RESILIENT CONNECTORS BETWEEN REINFORCED CONCRETE MANHOLE STRUCTURES AND PIPE").
8. ALL SANITARY SEWER PIPE AND FITTINGS SHALL BE PVC SDR-35 AND SHALL CONFORM TO THE LATEST A.S.T.M. D-3034.
9. THE DESIGN ENGINEER SHALL NOT BE RESPONSIBLE FOR THE DESIGN OF TRENCH SHEETING OR SHORING REQUIRED AS PER THE LATEST O.S.H.A. STANDARDS, OR FOR WORKER SAFETY AND PROTECTION TRENCH AREAS.
10. COMPRESSION GASKETS FOR HUB AND SPIGOT PIPE AND FITTINGS SHALL CONFORM TO THE LATEST ASTM C 564 AND SHALL BE COMPRESSED WHEN THE PIPE IS FULLY INSERTED.
11. JOINTS BETWEEN DIFFERENT PIPE MATERIALS SHALL BE MADE WITH AN INSERTA-TEE (OR APPROVED EQUAL) CONNECTION WITH AN ELASTOMERIC SEAL CONFORMING TO THE LATEST ASTM C 425, ASTM C 443, ASTM C 564, ASTM C 1173, ASTM D 1869, ASTM F 477, CAN/CSA A257.3M, OR CAN/CSA B602M.
12. THE FOLLOWING TYPES OF JOINTS AND CONNECTIONS SHALL BE PROHIBITED: CEMENT OR CONCRETE JOINTS, MASTIC OR HOT-POUR BITUMINOUS JOINTS, ELASTOMERIC ROLLING O-RING JOINTS, SOLVENT-CEMENT JOINTS, OR SADDLE-TYPE FITTINGS.

TESTING SPECIFICATIONS

1. DEFLECTION TEST
   a. DEFLECTION TESTS SHALL BE PERFORMED ON ALL FLEXIBLE PIPE IN CONFORMANCE WITH THE LATEST 10-STATE (G.L.U.M.R.B) STANDARDS.
   b. THE DEFLECTION TEST SHALL NOT BE CONDUCTED UNTIL THE FINAL BACKFILL OVER THE PIPE HAS BEEN IN PLACE FOR AT LEAST 30 DAYS.
   c. NO PIPE SHALL EXCEED A DEFLECTION OF 5 PERCENT. IF DEFLECTION EXCEEDS 5 PERCENT, REPLACEMENT SHALL BE ACCOMPLISHED AS PER APPROVED DETAILS AND SPECIFICATIONS, AND THE DEFLECTION TEST RE-PERFORMED.
   d. THE RIGID BALL OR MANDREL USED FOR THE DEFLECTION TEST SHALL HAVE A DIAMETER OF NOT LESS THAN 95 PERCENT OF THE BASE INSIDE DIAMETER OR AVERAGE INSIDE DIAMETER OF THE PIPE (DEPENDING ON WHICH IS SPECIFIED IN THE ASTM SPECIFICATION OR APPENDIX OF THE CUT SHEET SUPPLIED BY THE PIPE MANUFACTURER). THE DEFLECTION TEST SHALL BE PERFORMED WITHOUT MECHANICAL PULLING DEVICES.
2. HYDROSTATIC TEST
   a. AN EXFILTRATION (OR INFILTRATION TEST DEPENDING ON LOCATION OF THE GROUNDWATER TABLE) SHALL BE PERFORMED WITH A MINIMUM POSITIVE HEAD OF 2 FEET (600 mm.) IN CONFORMANCE WITH THE LATEST 10-STATE (G.L.U.M.R.B) STANDARDS.
   b. THE SYSTEM OPENINGS SHALL BE CLOSED, FILLED WITH WATER, AIR PURGED, THEN REFILLED WITH WATER. FOLLOWING REFILL THE WATER SUPPLY SHALL BE DISCONNECTED AND THE SYSTEM JOINTS INSPECTED FOR LEAKS.
   c. MAXIMUM ALLOWABLE LEAKAGE IS 100 GALLONS PER INCH OF NOMINAL PIPE SIZE PER MILE OF PIPE PER 24-HOUR DAY (9.2 LITRES PER MILLIMETER OF NOMINAL PIPE SIZE PER KILOMETER OF PIPE PER 24-HOUR DAY).
   d. DUCTILE IRON PIPING SHALL BE TESTED IN CONFORMANCE WITH AWWA C600, "HYDROSTATIC TESTING" SECTION USING A TEST PRESSURE OF AT LEAST 10 PSIg (69 kPa).
3. AIR TEST
   a. AS A MINIMUM, THE AIR TEST SHALL CONFORM TO THE LATEST ASTM C-828 FOR CLAY PIPE, THE LATEST ASTM C 924 FOR CONCRETE PIPE, THE LATEST ASTM F-1417 FOR PLASTIC PIPE, OR FOR OTHER MATERIALS AS DIRECTED BY THE REGULATORY AGENCY.
   b. AIR TESTING OF ALL NEW CONCRETE MANHOLES SHALL CONFORM TO THE LATEST ASTM C-1244.

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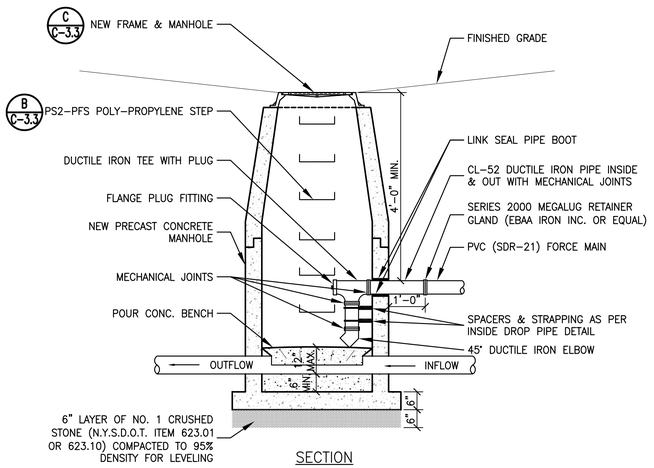


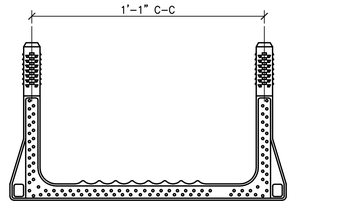
SECTION

FORCE MAIN – MANHOLE CONNECTION DETAIL A

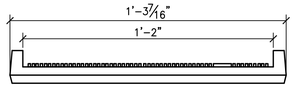
SCALE : 1/2" = 1'-0"

NOTES:

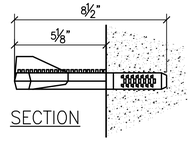
1. MANHOLE STEPS SHALL BE STEEL REINFORCED COPOLYMER POLYPROPYLENE.
2. THE STEPS SHALL BE EMBEDDED INTO THE WALLS OF THE CONCRETE MANHOLE BARREL WHILE IT IS BEING CAST, OR ELSE SECURELY GROUTED INTO PLACE AFTER CASTING.
3. USE KISTNER PS2-PFS MANHOLE STEP OR APPROVED EQUAL.
4. COPOLYMER POLYPROPYLENE SHALL COMPLY WITH THE LATEST A.S.T.M. 2146-82, TYPE II, GRADE 43758.
5. STEEL: DEFORMED 1/2" REINFORCED BAR GRADE 60-60 K.S.I. (A.S.T.M. A615).
6. DESIGN LOADING: VERTICAL LOAD: 800 lbs. MINIMUM. PULLOUT: 1,500 lbs. MINIMUM. IMPACT: 300 FT.-lbs PER MINUTE.
7. ALL STAIRS SHALL MEET OR EXCEED THE LATEST A.S.T.M. C478-85A, C497-85, O.S.H.A. DEC. '84, APRIL '86, N.Y.S.D.O.T. APPROVED, N.Y.S.O.G.S. APPROVED.



PLAN



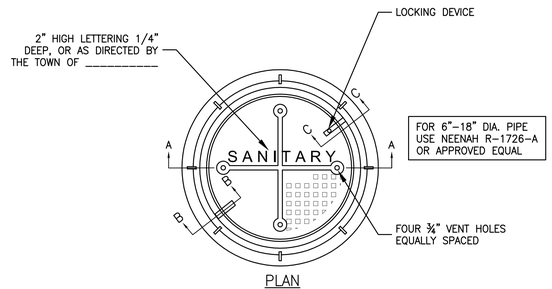
ELEVATION



SECTION

MANHOLE STEP DETAIL B

SCALE : 3" = 1'-0"



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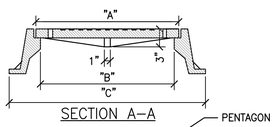
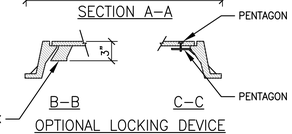


SECTION A-A



OPTIONAL LOCKING DEVICE

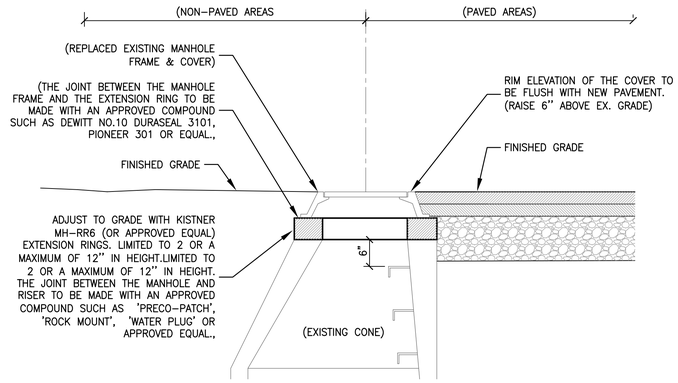
PIPE SIZE	DIMENSION "A"	DIMENSION "B"	DIMENSION "C"
6" THRU 18"	24"	22-1/4"	34-21/32"
OVER 18"	32"	30"	46"

STANDARD FRAME AND COVER NOTES

1. MATERIAL A.S.T.M. A48 CLASS 30B CAST IRON.
2. UNIT MUST WITHSTAND H-20 WHEEL LOADING.
3. ALL DIMENSIONS ARE TO BE CONSIDERED MINIMUM WITH THE EXCEPTION OF THE COVER, WHICH MUST CONFORM EXACTLY TO MAINTAIN INTERCHANGEABILITY WITHIN THE COUNTY.
4. FRAMES AND COVERS SHALL HAVE MACHINED BEARING SURFACES.
5. LOCKING DEVICE MUST BE SITUATED TO ALLOW EASY REMOVAL OF COVER.
6. FRAMES AND COVERS SHALL BE GAS TIGHT AS PER SECT. 708.3.6 OF THE NYS PLUMBING CODE.

SANITARY MANHOLE FRAME & COVER DETAIL C

SCALE : 1" = 1'-0"



SECTION

MANHOLE EXTENSION DETAIL D

SCALE 3/4" = 1'-0"

FOR OFFICIAL TOWN OF AMHERST USE

THE CONTRACTOR SHALL CONTACT THE DESIGN ENGINEER BEFORE EXCAVATION & CONSTRUCTION TO ENSURE HE/SHE HAS THE FINAL SET OF DESIGN DOCUMENTS AS ISSUED FOR CONSTRUCTION. THIS PLAN IS CURRENT AS OF THE DATE IT WAS ISSUED. SUBSEQUENT UPDATES OF THIS PLAN BY THE DESIGN ENGINEER DOES NOT AFFORD ANY TRANSFEREES THE RIGHT TO RECEIVE SAID UPDATES, BUT PLACES THE RESPONSIBILITY TO THE TRANSFEREE TO OBTAIN UPDATED PLANS WHICH ARE ISSUED FOR CONSTRUCTION AS THESE MAY DIFFER FROM PREVIOUS PLANS ISSUED FOR PERMIT OR BID.

EGGERTSVILLE HOSE COMPANY EXTERIOR SITE IMPROVEMENTS

1880 EGGERT ROAD, AMHERST, NY 14226

STAMP/SEAL

	ISSUED FOR SITE PLAN REV.	1/21/25
	ISSUED FOR CLIENT REVIEW	1/3/25

SANITARY DETAILS

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CHECKED BY: RMT
JOB # 23-194A

SHEET C-3.3

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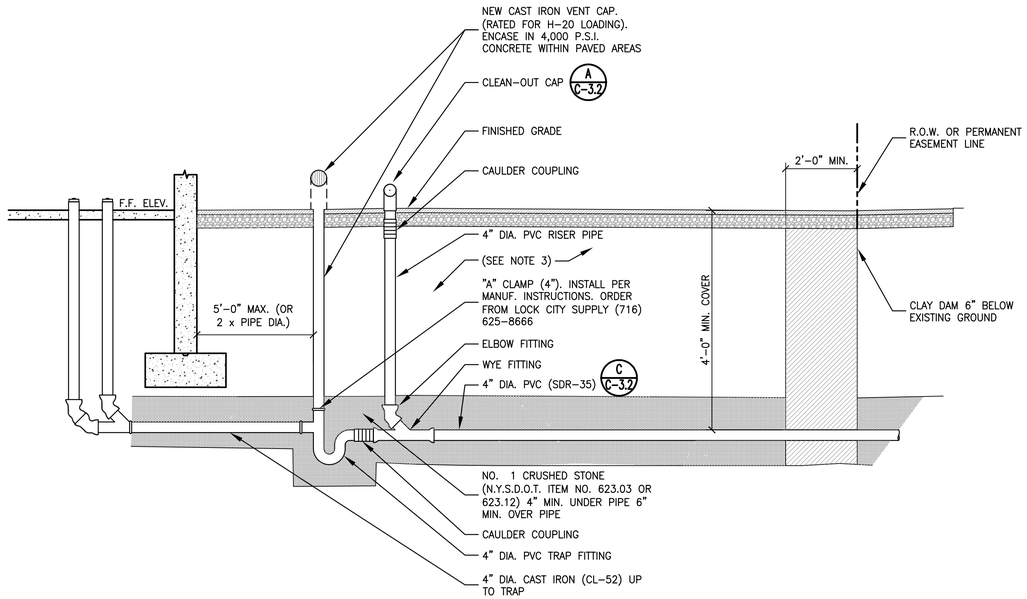
Attachment: SP-1994-18_B_drawings_032025 (29950 : SP-1994-18B, 1880 Eggert Road)



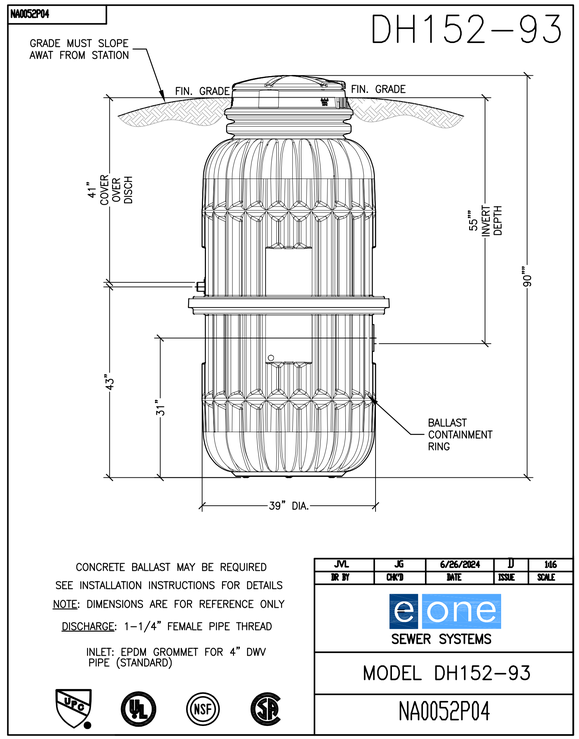
PROFILE

SANITARY SEWER LATERAL DETAIL — A

SCALE : 1/2" = 1'-0"

NOTES:

1. THE SERVICE LATERAL MUST BE INSTALLED A MINIMUM OF 10" ABOVE THE BASEMENT FLOOR, (IF BUILDING CONTAINS A BASEMENT). WHERE LOCAL BUILDING ORDINANCES REQUIRE A GREATER DISTANCE, THE CONTRACTORS ARE TO COMPLY WITH THE MORE STRINGENT.
2. PVC PIPE MATERIAL SHALL BE MANUFACTURED IN ACCORDANCE WITH THE REQUIREMENTS OF THE LATEST A.S.T.M. SPECIFICATION D-3033/D-3034. CAST IRON PIPE MATERIAL SHALL BE EXTRA HEAVY CAST IRON MEETING THE REQUIREMENTS OF A.S.T.M. A74-42.
3. SELECT BACKFILL (TYPE 2 SUBBASE COURSE) REQUIRED UNDER PAVED AREAS.
4. CONCRETE ENCASEMENT IS REQUIRED FOR SEWERS WITH LESS THAN 4 FEET OF COVER UNDER PAVED AREAS.
5. BEDDING MATERIAL AND MATERIAL AROUND PIPE ("NO. 1 CRUSHED STONE") SHALL CONFORM TO THE GRADATION IN N.Y.S.D.O.T. TABLE 703-4, SIZE DESIGNATION 1, MATERIAL DESIGNATION 702-0201. OPTIONAL: PIPE BEDDING MATERIAL SHALL CONFORM TO CLASS I, II, OR III AS PER ASTM D 2321.
6. THE DESIGN ENGINEER SHALL NOT BE RESPONSIBLE FOR THE DESIGN OF TRENCH SHEETING OR SHORING REQUIRED AS PER THE LATEST O.S.H.A. STANDARDS, OR FOR WORKER SAFETY AND PROTECTION TRENCH AREAS. THE OWNER'S ON-SITE GEOTECHNICAL ENGINEER SHALL DESIGN, OBSERVE THE INSTALLATION, AND APPROVE THE TRENCH SHIELDING DURING TRENCH OPERATIONS.



CONCRETE BALLAST MAY BE REQUIRED
SEE INSTALLATION INSTRUCTIONS FOR DETAILS
NOTE: DIMENSIONS ARE FOR REFERENCE ONLY
DISCHARGE: 1-1/4" FEMALE PIPE THREAD
INLET: EPDM GROMMET FOR 4" DWV PIPE (STANDARD)

JVL	JG	6/26/2024	JJ	1:6
DR BY	CHK'D	DATE	ISSUE	SCALE

e/one SEWER SYSTEMS

MODEL DH152-93

NA0052P04

GRINDER PUMP DETAIL — B

SCALE :3/4" = 1'-0"

FOR OFFICIAL TOWN OF AMHERST USE

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EGGERTSVILLE HOSE COMPANY
EXTERIOR SITE IMPROVEMENTS
EGGERT ROAD, AMHERST, NY 14226
1880 EGGERT ROAD

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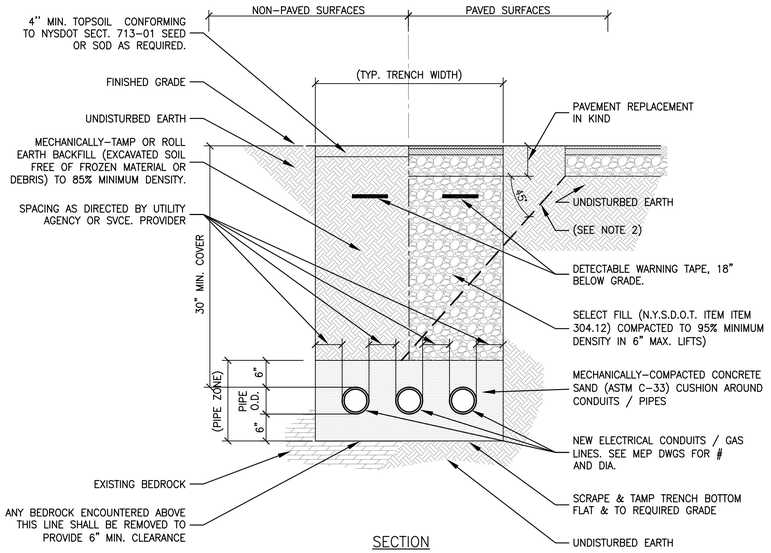


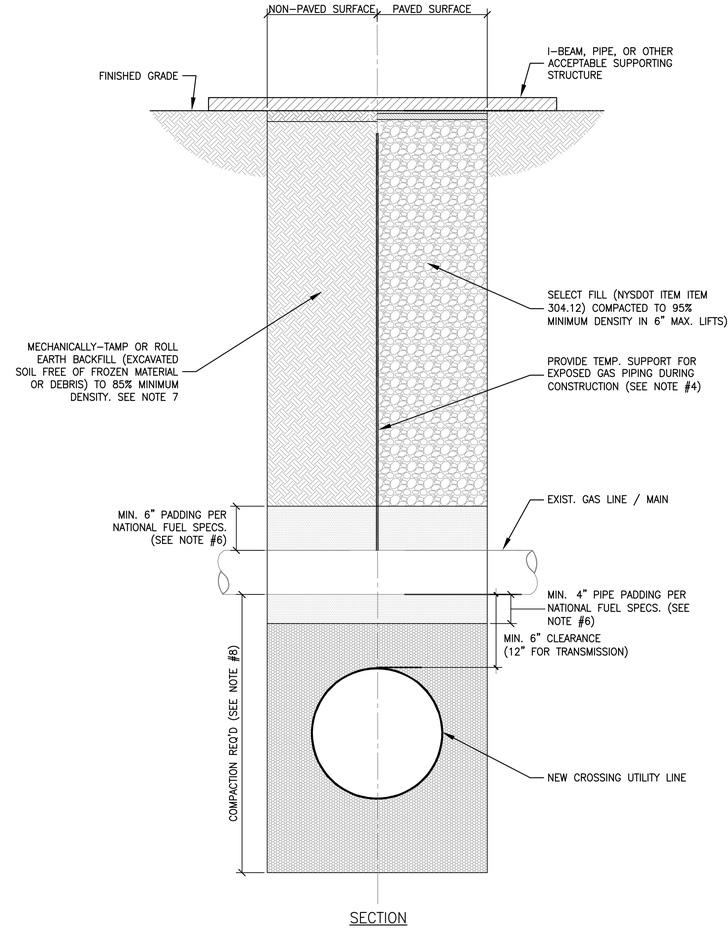
SECTION

UTILITY TRENCH DETAIL (A)

SCALE : 3/4" = 1'-0"

NOTES:

1. THE DESIGN ENGINEER SHALL NOT BE RESPONSIBLE FOR THE DESIGN OF TRENCH SHEETING OR SHORING REQUIRED AS PER THE LATEST O.S.H.A. STANDARDS, OR FOR WORKER SAFETY AND PROTECTION TRENCH AREAS. THE OWNER'S ON-SITE GEOTECHNICAL ENGINEER SHALL DESIGN, OBSERVE THE INSTALLATION, AND APPROVE THE TRENCH SHIELDING DURING TRENCH OPERATIONS.
2. SELECT FILL (N.Y.S.D.O.T. ITEM 304.12) IS REQUIRED FOR FULL DEPTH UNDER DRIVEWAYS, ROAD CROSSINGS, AND IF THE 45° LINE SHOWN ABOVE INTERCEPTS THE TRENCH ABOVE THE PIPE ZONE.
3. IF SOFT MATERIALS OF POOR LOAD-BEARING QUALITY ARE FOUND AT THE BOTTOM OF THE TRENCH, STABILIZATION SHALL BE ACHIEVED BY EXCAVATING A MINIMUM DEPTH EQUAL TO TWO PIPE DIAMETERS AND BACKFILLING UP TO THE PIPE INVERT WITH PIPE BEDDING AND COMPACTING TO 95% DENSITY.



SECTION

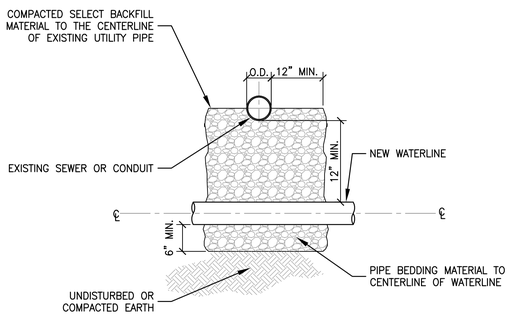
GAS LINE CROSSING DETAIL (B)

SCALE : 3/4" = 1'-0"

DETAIL FURNISHED BY NATIONAL FUEL

NOTES

1. PRIOR TO ANY EXCAVATION WORK, DAMAGE PREVENTION LAWS REQUIRE PERSONS TO MAKE CONTACT WITH THE APPROPRIATE ONE-CALL SYSTEM BY CALLING 811 OR IN NEW YORK, 1-800-962-7962.
2. IF A NATURAL GAS FACILITY IS DAMAGED RESULTING IN A RELEASE OF NATURAL GAS, IMMEDIATELY CALL 911 AND THE NATIONAL FUEL EMERGENCY NUMBER 1-800-444-3130
3. IF A NATURAL GAS LINE IS SCRATCHED, GOUGED, DENTED, PULLED, OR BOWED DURING EXCAVATION WORK OR THE PROTECTIVE COATING IS DAMAGED, IMMEDIATELY CALL THE NATIONAL FUEL EMERGENCY NUMBER 1-800-444-3130 TO SET UP A REPAIR OF DAMAGE.
4. NATIONAL FUEL REQUIRES THAT EXCAVATORS SUPPORT EXISTING GAS LINES AND GAS MAINS DURING CONSTRUCTION. THE SUPPORT SHALL BE MAINTAINED THOUGHT CONSTRUCTION AND BACKFILL OPERATIONS IN ORDER TO PROTECT THE EXISTING GAS SERVICES FROM SETTLEMENT AND TRAFFIC LOADS. CONTACT NATIONAL FUEL FOR SUPPORT DETAILS AND RECOMMENDATION AND FOR INSPECTION WHERE EXISTING GAS PIPING WILL BE EXPOSED FOR A LENGTH OF 15 FEET OR GREATER, OR WHEREVER A GAS PIPE COUPLING OR FITTING IS EXPOSED.
5. UNDERGROUND UTILITIES AND OTHER STRUCTURES PLACE NEAR NATIONAL FUEL GAS SERVICE LINES OR MAINS MUST MAINTAIN A MINIMUM CLEARANCE OF 12 INCHES FOR TRANSMISSION PIPELINE CROSSINGS, AND 6 INCHES FOR DISTRIBUTION MAINS AND SERVICES. ANY METALLIC STRUCTURE PLACED NEAR STEEL PIPELINES REQUIRES THE INSTALLATION OF AN ELECTRIC TEST STATION.
6. BACKFILL MATERIAL AROUND NATIONAL FUEL HAS SERVICES SHALL BE CLEAN DIRT FREE OF SHALE OR SHARP STONES, OR ROUND STONES NO LARGER THAN 1 INCH IN DIAMETER. ACCEPTABLE BACKFILL MATERIALS ARE SAND, LIMESTONE SCREENINGS ALL PASSING THE NO. 40 AND NO. 200 SIEVE, A 50% BLEND OF NO 1A GRAVEL AND SAND, OR NO 1A ROUND GRAVEL.
7. FILL MATERIAL BEYOND THE SELECT BACKFILL SHALL BE FREE OF LOGS, CINDERS, STUMPS, SKIDS, BRUSH, OR ROCKS LARGER THAN 12 INCHES.
8. BACKFILL MATERIAL BENEATH AND AROUND ANY UNDERGROUND GAS FACILITY SHALL BE PROPERLY COMPACTED AS SHOWN ON THE ADJACENT DETAIL.
9. HEAVY LOADS AND EXCESSIVE FORCES SHALL NOT BE IMPOSED ON GAS SERVICE LINES AT ANY TIME DURING EXCAVATION, CONSTRUCTION, OR BACKFILLING OPERATIONS.
10. #10 OR #12 LOCATING WIRE IS BURIED ALONG THE SIDE OF MOST PLASTIC GAS MAINS AND SERVICE LINES. HEAVIER CABLES (PART OF CATHODIC PROTECTION SYSTEMS) MAY ALSO BE FOND NEAR SOME STEEL PIPE FACILITIES. IF ANY WIRE OR CABLE IS DAMAGED IT MUST BE IMMEDIATELY REPORTED TO NATIONAL FUEL.



SECTION

PIPE CROSSING DETAILS (C)

SCALE : 3/4" = 1'-0"

NOTES:

1. ALL EXISTING UTILITIES MUST BE SUPPORTED DURING CONSTRUCTION OF THE NEW FIRE LINE. COST SHALL BE INCLUDED IN PIPE PRICE.
2. WHEN CROSSING A SEWER LINE WITH A NEW WATERLINE, ONE FULL PIPE LENGTH (18 FT. MIN.) SHALL BE USED AT THE POINT OF CROSSING. THE PIPE LINE SHALL BE PLACED SO THAT BOTH JOINTS ENDS ARE AS FAR AS POSSIBLE FROM THE EXISTING SEWER.

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FOR OFFICIAL TOWN OF AMHERST USE

UTILITY DETAILS

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SHEET C-3.5

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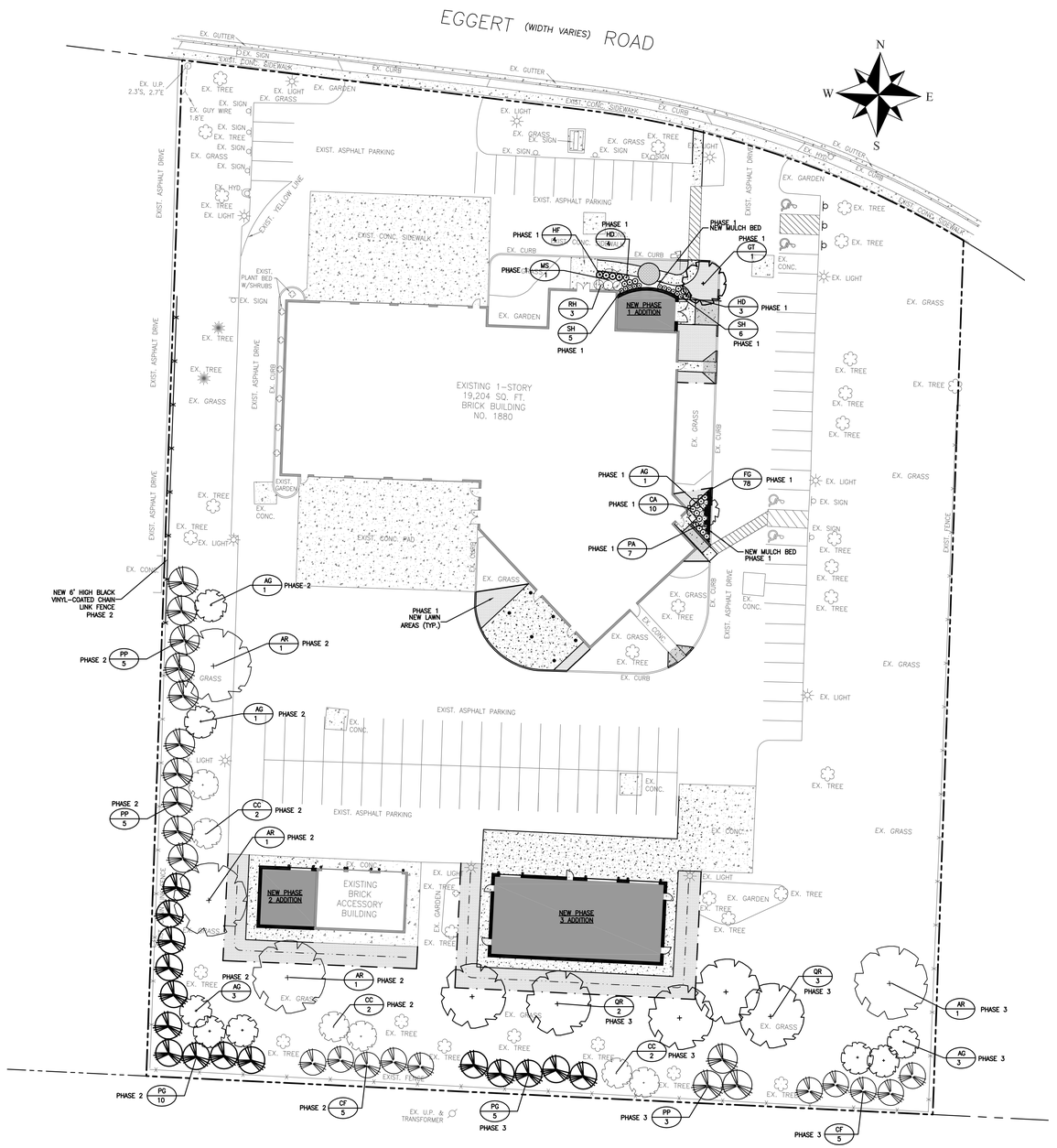
Attachment: SP-1994-18_B_drawings_032025 (29950 : SP-1994-18B, 1880 Eggert Road)

PLANT LIST: NEW PLANT MATERIAL

KEY	NO.	BOTANICAL NAME	COMMON NAME	SIZE	CONDIT.	REMARKS
TREES						
AR	4	ACER RUBRUM 'SUN VALLEY'	SUN VALLEY RED MAPLE	2½" TO 3" CAL.	B&B	SEEDLESS. 40' HT. 35' WIDTH
GT	1	GLEDITSIA TRIACANTHOS INERMIS 'DRAVES'	STREETKEEPER HONEYLOCUST	2 TO 3" CAL.	B&B	35' HT. 20' WIDTH
QR	5	QUERCUS RUBRA	RED OAK	2 TO 3" CAL.	B&B	75' HT. 60' WIDTH
CF	10	ABIES CONCOLOR	CONCOLOR FIR	5 TO 6 FT. HT.	B&B	FULL TO GROUND
PG	15	PICEA GLAUCA	WHITE SPRUCE	5 TO 6 FT. HT.	B&B	FULL TO GROUND
PP	13	PICEA PUNGENS GLAUCA	COLORADO BLUE SPRUCE	5 TO 6 FT. HT.	B&B	FULL TO GROUND
AG	9	AMELANCHIER X GRANDIFLORA 'AUTMUMN BRILLIANCE'	AUTUMN BRILLIANCE SERVICEBERRY	6 TO 7 FT. HT.	B&B	CLUMP FORM. MIN. 3 MAJOR STEMS. 20' HT. 15' WIDTH
CC	6	CERCIS CANADENSIS 'MERLOT'	MERLOT EASTERN REDBUD	2" CAL.	B&B	12' HT. 12' WIDTH
MS	1	MAGNOLIA STELLATA 'ROYAL STAR'	ROYAL STAR MAGNOLIA	2" CAL.	B&B	15' HT. 10' WIDTH. WHITE FLOWERS
SHRUBS						
RH	3	RHODODENDRON 'PJM'	PJM RHODODENDRON	#5 CONT.	FULL SHADE	6' HT. 6' WIDTH
SH	11	SARCOCOCCA HOOKERIANA HUMILIS 'PURPLEJ1'	SWEET BOX	#3 CONT.	FULL SHADE	2–½' HT. 3' WIDTH
PERENNIALS / ORNAMENTAL GRASSES						
CA	10	CALAMAGROSTIS X ACUTIFOLIA 'KARL FOERSTER'	KARL FOERSTER FEATHER REED GRASS	#2 CONT.	POTTED	5' HT. 3' WIDTH
FG	78	FESTUCA GLAUCA 'ELIJAH BLUE'	ELIJAH BLUE FESCUE GRASS	#1 CONT.	POTTED	10" HT. 10" WIDTH
HF	4	HOSTA X 'FRAGRANT BLUE'	FRAGRANT BLUE HOSTA	#2 CONT. SELECT	POTTED	2' HT. 3' WIDTH. BLUE FOLIAGE. SHADE TOLERANT
HD	7	HOSTA 'DANCING QUEEN'	DANCING QUEEN HOSTA	#2 CONT. SELECT	POTTED	1–½' HT. 2–½' WIDTH. YELLOW FOLIAGE. SHADE TOLERANT
PA	14	PENNISETUM ALOPECUROIDES 'HAMELN'	DWARF FOUNTAIN GRASS	#2 CONT.	POTTED	3' HT. 2' WIDTH

LEGEND

- EXISTING TREE OR SHRUB TO REMAIN
- EXISTING TREE OR SHRUB TO BE REMOVED
- NEW TREE OR SHRUB
- EXISTING LIGHT FIXTURE
- EXISTING SIGN
- NEW SIGN
- EXISTING UTILITY POLE
- EXISTING FENCE
- NEW FENCE
- EXISTING EDGE OF PAVEMENT
- NEW EDGE OF PAVEMENT
- EXISTING CURB
- NEW CURB
- SITE PROPERTY LINE
- ADJACENT PROPERTY LINE
- CENTERLINE OF ROAD
- NEW CONCRETE AREAS
- EXISTING CONCRETE AREAS
- NEW LAWN AREAS



SITE LANDSCAPE PLAN

SCALE : 1"= 30'–0"

0 30 60 120

N

RONALD MICHAEL TRIGILIO
ARCHITECT

NOTE: UNAUTHORIZED ALTERATION OR ADDITION TO THIS DOCUMENT IS A VIOLATION OF SECTION 7209, PROVISION 2 OF THE NEW YORK STATE EDUCATION LAW

ISSUED FOR SITE PLAN REVIEW 1/21/25

EGGERTSVILLE HOSE
SITE IMPROVEMENTS
1880 EGGERT ROAD
AMHERST, NEW YORK 14226

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NO.	DESCRIPTION	DATE

Issued Schedule

PROJECT NO:	23–194A
DRAWN BY:	RW
CHECKED BY:	AVT
SCALE:	1" = 30'–0"

SHEET TITLE

SITE LANDSCAPE PLAN

SHEET #

C-4.0

Attachment: SP-1994-18_B_drawings_032025 (29950 : SP-1994-18B, 1880 Eggert Road)

LANDSCAPE NOTES

1. THE CONTRACTOR SHALL PROVIDE MAINTENANCE INCLUDING FERTILIZING, RE-SEEDING, AND WATERING AS REQUIRED DURING LANDSCAPE INSTALLATION AND PLANTING FOR A MINIMUM PERIOD OF 12 MONTHS FROM PLANTING DATE. AFTER THE FIRST YEAR THE OWNER SHALL PROVIDE YEARLY MAINTENANCE INCLUDING OCCASIONAL WATERING AS NECESSARY DURING DROUGHT CONDITIONS, PERIODIC WEEDING, PLANTING BED RE-EDGING, AND LEAF CLEAN-UP AFTER AUTUMN AND WINTER SEASONS. ALL PLANTS DAMAGED OR DEAD SHALL BE REPLACED. MULCH BED LOSS SHALL BE REPLACED WITH A THIN LAYER. (PLEASE NOTE: MULCH LAYER SHALL NOT EXCEED 4 INCHES AND MULCH SHALL NOT BE PLACED AT THE BASE TRUNK FLARE OF ANY TREE OR SHRUB). EROSION SHALL BE REPAIRED AND ALL DAMAGED AREAS RE-VEGETATED IN KIND.

2. THE CONTRACTOR SHALL SCARIFY ALL NEW LANDSCAPE AREAS PRIOR TO SEEDING. REMOVE DEBRIS AND ROCKS TO 24" DEPTH PRIOR TO APPLYING TOPSOIL. LIME SOIL AS NECESSARY TO A pH OF 6.0. FERTILIZE WITH 600 lbs. OF 5-10-10 OR EQUIVALENT PER ACRE (14 lbs. PER EVERY 1000 SQ. FT.).

3. LIME AND FERTILIZE THE TOP 6" OF TOPSOIL IF INITIAL SOIL pH TESTS INDICATE THAT pH LEVELS ARE ACIDIC (7 OR LESS). IF LIMESTONE IS USED IT SHALL BE ADJUSTED TO 100% EFFECTIVE NEUTRALIZING VALUE (ENV). LIME SHALL BE ADDED TO THE SOIL AS PER THE GUIDELINES IN THE TABLE ON PAGE 4.29 OF THE NEW YORK STATE STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL. LIME SHALL NOT BE APPLIED WITHIN 50 FEET OF STREAMS AND WETLANDS.

4. THE CONTRACTOR SHALL FURNISH AND INSTALL A 3" MINIMUM LAYER OF HIGH-QUALITY SHREDDED HARDWOOD BARK OR CEDAR MULCH IN ALL PLANTING BEDS.

5. ALL PROPOSED LANDSCAPE AREAS AND PLANTING BEDS SHALL BE EXCAVATED OF ALL BUILDING MATERIALS AND POOR UNSUITABLE SOILS TO A DEPTH OF 24" AND BACKFILLED WITH TOPSOIL AND THE PLANTING MIXTURE AS SPECIFIED IN THE DETAILS.

6. THE CONTRACTOR SHALL ERECT TEMPORARY CONSTRUCTION FENCING AROUND ALL EXISTING TREES TO REMAIN WITHIN THE PROJECT LIMITS TO PROTECT FROM SITE WORK DISTURBANCE.

7. BURLAP MESH MAY BE USED TO COVER SEEDING ON ANY SLOPE EMBANKMENTS STEEP ENOUGH TO IMPEDE THE ESTABLISHMENT OF LAWN AREAS.

8. THE OWNER OR CONTRACTOR SHALL RETAIN THE SERVICES OF A CERTIFIED TREE SURGEON TO REMOVE AS NECESSARY ANY BRANCHES OR LIMBS OF TREES OR BUSHES TO REMAIN WHICH MAY INTERFERE WITH CONSTRUCTION ACTIVITIES.

9. UNLESS RECOMMENDED OTHERWISE BY THE SEED VENDOR, PERMANENT GRASS SEEDING SHALL CONSIST OF A MIXTURE OF THE FOLLOWING: KENTUCKY BLUEGRASS = 25% BY WEIGHT (98% MIN. PURITY: 85% MIN. GERMINATION); PENN LAWN RED FESCUE = 25% BY WEIGHT (95% MIN. PURITY: 80% MIN. GERMINATION); TRIPLE CROWN PERENNIAL RYE = 50% BY WEIGHT (95% MIN. PURITY: 90% MIN. GERMINATION)

10. HAND-BROADCASTING OR HYDRO-SEEDING AND HYDRO-MULCHING SHALL BE USED TO ESTABLISH ALL NEW LAWN AREAS. IF HAND-BROADCASTING, SEW SEED AT A RATE OF 5 lbs. PER 1000 SQ. FT. RAKE SEED INTO TOP 1/8" OF TOPSOIL, ROLL, AND WATER WITH FINE MIST. WATER SEED AS RECOMMENDED BY SEED VENDOR. UNIFORMLY SPREAD 2 INCHES OF STRAW MULCH OVER ENTIRE SEEDED AREA AT THE RATE OF 2 TONS PER ACRE (90 lbs. / 1,000 SQ. FT.) IMMEDIATELY AFTER ROLLING AND WATERING SEEDED AREAS. THE STRAW MULCH SHALL BE ANCHORED WITH WOOD FIBER MULCH AT 750 lbs PER ACRE (17 lbs. / 1,000 SQ. FT.). THE WOOD FIBER MULCH SHALL BE APPLIED THROUGH A HYDRO-SEEDER IMMEDIATELY AFTER STRAW MULCH IS INSTALLED. REMOVE ANY WIND-SWEPT MULCH PILES AS NECESSARY TO PREVENT DAMAGE TO GRASS. HAY MULCH SHALL NOT BE USED.

11. THE CONTRACTOR SHALL COMPLY WITH THE LATEST NYSDEC PESTICIDE APPLICATION REGULATIONS, OR ELSE USE INTEGRATED PEST MANAGEMENT (IPM) TO AVOID PESTICIDE LEACHING INTO STORMWATER OR GROUNDWATER FROM EXCESS CHEMICAL APPLICATIONS. THE CONTRACTOR SHALL DISPOSE OF UNUSED OR EXCESS PESTICIDES IN CONFORMANCE WITH ALL NYSDEC AND USEPA REGULATIONS. THE CONTRACTOR SHALL AVOID SPRAYING PESTICIDES IN WINDY CONDITIONS OR WHEN RAIN IS FORECAST. SPILL CONTAINMENT BERMS SHALL BE USED AT ALL PESTICIDE STORAGE AREAS AND PESTICIDE TANKS SHALL BE FILLED WITHIN CONTAINMENT AREAS AWAY FROM CATCH BASINS, STORM DRAINS, SWALES, OR DRAINAGE WAYS. ANY PESTICIDES USED SHALL BEAR AN EPA FEDERAL REGISTRATION # AND SHALL BE WARRANTED FOR 5 YEARS.

12. IN LANDSCAPE BEDS OR OTHER AREAS WHERE MULCH MAY BE USED, THE CONTRACTOR SHALL INSTALL A QUALITY WOVEN LANDSCAPE FABRIC (SUCH AS ECOGARDENER 5 OZ. PRO GARDEN WEED BARRIER LANDSCAPE FABRIC OR APPROVED EQUAL) FOR WEED CONTROL BENEATH A 2"-3" LAYER OF DARK SHREDDED BARK MULCH. GO TO https://ecogardener.com/pages/installation-guides TO ORDER AND FOR INSTALLATION INSTRUCTIONS. ALTERNATE: THE CONTRACTOR SHALL APPLY PREEN WEED CONTROL PER MANUFACTURER'S APPLICATION INSTRUCTIONS IN PLACE OF LANDSCAPE FABRIC.

13. LIMIT SOIL PLACEMENT OVER EXISTING TREE AND SHRUB ROOTS TO A MAXIMUM OF 3 INCHES. IN EXPOSED ROOT AREAS WOOD MULCH SPREAD TO A DEPTH OF 4 INCHES SHALL BE USED TO PREVENT SOIL COMPACTION OVER THE ROOT SYSTEM.

14. TOPSOILING AND SEEDING, HYDROSEEDING, OR SODDING SHALL TAKE PLACE WITHIN 24 HOURS OF FINAL GRADING. SEED SHALL NOT BE BROADCAST DURING CONDITIONS OF HIGH WIND OR EXCESSIVE MOISTURE.

15. FERTILIZERS SHALL BE APPLIED ONLY IN THE MINIMUM AMOUNTS REQUIRED BY THE MANUFACTURER. FERTILIZERS SHALL BE COMPLETELY WORKED INTO THE SOIL IMMEDIATELY FOLLOWING APPLICATION TO LIMIT EXPOSURE TO STORMWATER RUNOFF. FERTILIZERS SHALL BE STORED IN A COVERED SHED AND PARTIALLY USED BAGS SHALL BE TRANSFERRED TO A SECURELY-SEALED BIN TO AVOID SPILLS.

16. MOW NEWLY SEEDED AREAS FOR THE FIRST THREE (3) TIMES. AT EACH MOWING CUT TO A HEIGHT OF 2 INCHES AFTER GROWTH HAS REACHED APPROXIMATELY 4 INCHES. APPLY WEED AND FEED AS DIRECTED ON MANUFACTURER'S APPLICATION INSTRUCTIONS AFTER THE SECOND MOWING. IN VEGETATED SWALE AREAS GRASS SHOULD BE MOWED TO MAINTAIN A GRASS BLADE HEIGHT BETWEEN 4 AND 6 INCHES.

17. IF ROOTS OF EXISTING TREES TO REMAIN NEED TO BE REMOVED TO ALLOW FOR NEW STRUCTURE, UNDERGROUND UTILITY, OR PAVEMENT INSTALLATION, A CERTIFIED TREE SURGEON SHALL PERFORM ALL SUCH WORK AND SHALL PRUNE THE CANOPY TO AN EQUAL PROPORTION.

18. ALL NEW LAWN AREAS SHALL HAVE A 6 INCH MINIMUM LAYER OF TOPSOIL BEFORE SEEDING.

19. ANY EXISTING TREES TO REMAIN THAT ARE KILLED DUE TO ROOT DISTURBANCE SHALL BE REPLACED IN KIND BY THE CONTRACTOR.

20. ALL NEW LAWN AREAS SHALL BE COMPLETE IN COVERAGE AND VIGOROUS IN GROWTH IN ORDER TO BE ACCEPTABLE. REPAIR, RE-SEED, AND WATER NEW LAWN AREAS AS NECESSARY UNTIL THEY REACH THE LEVEL OF FINAL ACCEPTANCE.

21. TILLING SHALL NOT BE PERFORMED WITHIN THE DRIP LINE OF EXISTING TREES TO REMAIN OR OVER EXISTING UNDERGROUND UTILITIES LESS THAN 24 INCHES BELOW GRADE.

22. REMOVE ALL STICKS, RUBBISH, STONES, AND ANY DEBRIS COLLECTED DURING RAKING, MOWING, AND LAWN ESTABLISHMENT ACTIVITIES. DISPOSE OF AT AN APPROPRIATE OFF-SITE LOCATION PER LOCAL REGULATIONS.

23. SEEDING SHOULD BE DONE AFTER AUGUST 15 AND BEFORE MAY 15. THE DESIGN ENGINEER SHALL NOT BE RESPONSIBLE FOR SEED SURVIVAL OR GRASS ESTABLISHMENT IF SEEDING OCCURS OUTSIDE OF THIS TIME FRAME.

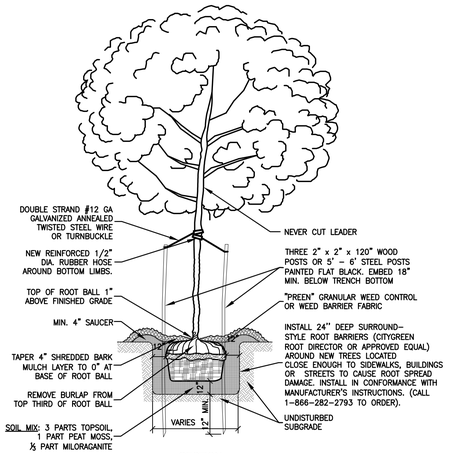
24. ALL TOPSOIL (RE-USED ONSITE, BROUGHT IN FROM OFFSITE, OR MANUFACTURED) SHALL HAVE AT LEAST 6% BY WEIGHT OF FINE-TEXTURED STABLE ORGANIC MATERIAL, AND NO MORE THAN 20%. MUCK SOIL SHALL NOT BE CONSIDERED TOPSOIL. ALL TOPSOIL SHALL NOT HAVE LESS THAN 20% FINE-TEXTURED MATERIAL PASSING THE NUMBER 200 SIEVE, AND NOT MORE THAN 15% CLAY. TOPSOIL MANUFACTURED OR BROUGHT IN FROM OFFSITE THAT IS PRE-TREATED WITH SOIL STERILANTS OR HERBICIDES SHALL BE SO IDENTIFIED TO THE PURCHASER AND LANDSCAPE CONTRACTOR. ALL TOPSOIL SHALL BE FREE OF STONES OVER 1½ INCHES IN DIAMETER, TRASH, NOXIOUS WEEDS, NUT SEDGE, OR QUACKGRASS, AND SHALL CONTAIN NO MORE THAN 10% GRAVEL. TOPSOIL CONTAINING SOLUBLE SALTS GREATER THAN 500 PPM (PARTS PER MILLION) SHALL NOT BE USED. MANUFACTURED TOPSOIL SHALL CONSIST OF A MIXTURE OF ORGANIC MATERIAL SUCH AS COMPOST AND MINERAL MATERIAL COMPLYING WITH THE ABOVE SPECIFICATIONS.

25. ALL TOPSOIL SHALL BE DISTRIBUTED TO A UNIFORM DEPTH AND NOT PLACED WHILE PARTIALLY FROZEN, MUDDY, OR ON FROZEN SLOPES OVER ICE, SNOW, AND STANDING WATER PUDDLES. TOPSOIL PLACED ON SLOPES GREATER THAN 5% (20:1) SHALL BE PROMPTLY FERTILIZED, SEEDED, MULCHED, AND STABILIZED BY TRACKING WITH SUITABLE EQUIPMENT PER THE SPECIFICATIONS ABOVE.

26. ANY DEVIATION FROM ANY PLANS IN THIS DRAWING SET SHALL REQUIRE APPROVAL OF THE DESIGN ENGINEER (STUDIO T3) AND THE TOWN OF AMHERST PLANNING AND BUILDING DEPARTMENTS, AS WELL AS THE APPROPRIATE UTILITY COMPANIES AND SERVICE PROVIDERS. ANY AND ALL CHANGES MADE WITHOUT NOTIFICATION OR APPROVAL OF THE DESIGN ENGINEER (STUDIO T3) SHALL BE CONSIDERED UNAUTHORIZED AND THE DESIGN ENGINEER (STUDIO T3) SHALL NOT BE LIABLE FOR ANY DAMAGES, DELAYS, ADDITIONAL COSTS INCURRED, OR ANY OTHER CONSEQUENCES ARISING FROM SUCH CHANGES.

27. ANY DAMAGED PROPERTY WITHIN THE PROJECT SITE OR ADJACENT PROJECT SITES SHALL BE RESTORED IN KIND.

28. ALL CONTRACTORS AND SUBCONTRACTORS SHALL BE INSURED AND LICENSED IN THE STATE OF NEW YORK, THE COUNTY OF ERIE, AND THE TOWN OF AMHERST.



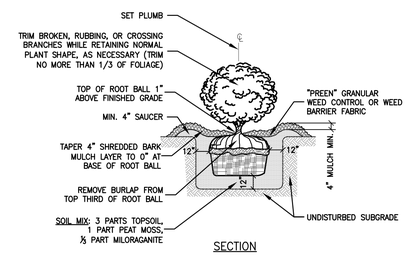
SECTION

TREE PLANTING DETAIL — A

SCALE : 3/16" = 1'-0"

NOTES:

1. AT NO TIME SHOULD THE TOP OF THE ROOT BALL BE BELOW GROUND LEVEL.
2. WATERING: WATER THOROUGHLY AT PLANTING TIME, THEN EVERY DAY FOR 1 WEEK, THEN EVERY 2-3 DAYS FOR 5 WEEKS, THEN, ONCE PER WEEK AFTERWARDS AS NECESSARY.



SECTION

SHRUB PLANTING DETAIL — B

SCALE : 1/4" = 1'-0"

NOTES:

1. AT NO TIME SHOULD THE TOP OF THE ROOT BALL BE BELOW GROUND LEVEL.
2. WATERING: WATER THOROUGHLY AT PLANTING TIME, THEN EVERY DAY FOR 1 WEEK, THEN EVERY 2-3 DAYS FOR 5 WEEKS, THEN, ONCE PER WEEK AFTERWARDS AS NECESSARY.

RONALD MICHAEL TRIGILIO
ARCHITECT

NOTE: UNAUTHORIZED ALTERATION OR ADDITION TO THIS DOCUMENT IS A VIOLATION OF SECTION 7209, PROVISION 2 OF THE NEW YORK STATE EDUCATION LAW

ISSUED FOR SITE PLAN REVIEW 1/21/25

EGGERTSVILLE HOSE
SITE IMPROVEMENTS
1880 EGGERT ROAD
AMHERST, NEW YORK 14226

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NO.	DESCRIPTION	DATE

Issued Schedule

PROJECT NO:	23-194A
DRAWN BY:	RW
CHECKED BY:	AVT
SCALE:	1" = 30'-0"

SHEET TITLE

SITE LANDSCAPE PLAN

SHEET #

C-4.1

Attachment: SP-1994-18_B_drawings_032025 (29950 : SP-1994-18B, 1880 Eggert Road)

DEMOLITION NOTES

1. PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR PAYING ALL NECESSARY FEES AND OBTAINING ALL NECESSARY PERMITS FOR CLEARING, SOIL EROSION PROTECTION, AND DISPOSING OF DEBRIS FROM SITE.

2. THE CONTRACTOR SHALL COORDINATE THE REMOVAL, RELOCATION, OR RE-ROUTING OF ANY UTILITIES WITH EACH RESPECTIVE UTILITY COMPANY. NOTIFY UTILITY COMPANIES OR AGENCIES AT LEAST 72 HOURS PRIOR TO THE START OF WORK.

3. THE CONTRACTOR SHALL MAINTAIN ACCESSIBLE PASSAGEWAYS FOR TRAFFIC AND PEDESTRIANS TO EXISTING ADJACENT RESIDIENCES AND BUSINESSES WHICH WILL REMAIN IN OPERATION THROUGHOUT THE DURATION OF THE CONSTRUCTION.

4. THE CONTRACTOR SHALL FOLLOW ALL SOIL PREPARATION AND FOUNDATION CONSTRUCTION RECOMMENDATIONS AS STATED IN THE GEOTECHNICAL ENGINEERING REPORT BY BUFFALO DRILLING DATED 1994.

5. EXISTING PAVEMENT TO BE SAW-CUT AND REMOVED SHALL BE SAW-CUT ONLY TO THE DEPTH OF THE PAVEMENT AND NOT DEEPER TO AVOID INTERFERENCE WITH EXISTING UNDERGROUND UTILITIES. THE DESIGN ENGINEER (STUDIO T3) IS NOT RESPONSIBLE FOR ANY UTILITIES NOT SHOWN ON THE SURVEY OR ANY ACCIDENTAL RUPTURES DURING EXCAVATION OR CONSTRUCTION. THE DESIGN ENGINEER (STUDIO T3) AND THE RESPECTIVE UTILITY COMPANIES SHALL BE IMMEDIATELY NOTIFIED BY THE INSTALLATION CONTRACTOR UPON DISCOVERY OF ANY SUCH ABOVEGROUND OR UNDERGROUND UTILITIES NOT SHOWN ON THE SURVEY. WORK SHALL BE IMMEDIATELY SUSPENDED AND NOT COMMENCE UNTIL SUCH DISCOVERED UTILITIES ARE IDENTIFIED AND THE DESIGN ENGINEER (STUDIO T3) ISSUES EITHER A WRITTEN APPROVAL OR A SIGNED REVISED PLAN.

6. THE DESIGN ENGINEER (STUDIO T3) SHALL BE IMMEDIATELY CONTACTED UPON DISCOVERY OF ANY ABOVEGROUND OR BELOW GROUND OBJECTS NOT SHOWN ON THE BACKGROUND SURVEY THAT ARE UNCOVERED DURING EXCAVATION OR CONSTRUCTION (BUILDING FOUNDATIONS, BURIED VAULTS, TREES, SIDEWALKS, PAVEMENT, RAILINGS, SIGNS, STOCKPILES, STUMPS, OR SIMILAR) WHICH WILL INTERFERE OR CONFLICT WITH ANY PROPOSED WORK SHOWN ON THESE PLANS. WORK SHALL BE IMMEDIATELY SUSPENDED AND NOT COMMENCE UNTIL SUCH DISCOVERED OBJECTS ARE IDENTIFIED AND THE DESIGN ENGINEER (STUDIO T3) ISSUES EITHER A WRITTEN APPROVAL OR A SIGNED REVISED PLAN.

7. THE CONTRACTOR SHALL REMOVE ALL VISIBLE AND PARTIALLY BURIED DEBRIS PILES FROM AREAS TO BE DEVELOPED OR GRADED AND DISPOSE OF AT AN APPROPRIATE OFF-SITE LOCATION IN COMPLIANCE WITH AUTHORITIES HAVING JURISDICTION.

8. ANY UTILITY LINES NO LONGER IN USE (EITHER SHOWN ON THIS SHEET OR DISCOVERED IN THE FIELD) SHALL BE COMPLETELY REMOVED IF THEY ARE IN CONFLICT WITH ANY NEW UTILITY OR STRUCTURE.

9. ANY CAVITIES OR TRENCHES REMAINING FROM EXCAVATED FOOTINGS, FOUNDATION WALLS, PIPELINES, BASEMENTS, AND UNDERGROUND TANKS SHALL BE BACKFILLED WITH FLOWABLE FILL TO THE FROST LINE, AND TYPE 2 CRUSHER RUN STONE (NYSDOT ITEM 304.12) ABOVE THE FROST LINE, COMPACTED TO 95% DENSITY (IN 6" MAXIMUM LIFTS).

10. PROVIDE TEMPORARY SNOW-FENCING AROUND ALL EXISTING TREES, SHRUBS, OR LANDSCAPING TO REMAIN.

11. ALL LITTER AND DEBRIS SHALL BE SWEPT UP AND REMOVED FROM PAVED AREAS RATHER THAN HOSING INTO STORM DRAINS OR SWALES.

12. WASTE FROM DEMOLITION ACTIVITIES SHALL BE CONTAINED TO PREVENT RELEASE OF DUST AND DEBRIS BEFORE THE WASTE IS REMOVED FROM THE SITE. COLLECTED WASTE ON SITE SHALL ALSO BE STORED SUCH THAT IT PREVENTS THE RELEASE OF DUST AND DEBRIS.

13. NONE OF THE FOLLOWING SHALL BE EITHER RELEASED ON SITE, SPILLED, OR DISCHARGED TO GROUNDWATER, STREAMS, OR STORM SEWER SYSTEMS ON SITE: WASTEWATER WASHOUT FROM CONCRETE; WASTEWATER WASHOUT FROM CLEANOUT OF STUCCO, PAINT, FORM RELEASE OILS, CURING COMPOUNDS, AND OTHER CONSTRUCTION MATERIALS/FLUIDS; FUELS, OILS, AND OTHER VEHICLE FLUIDS; SOAPS, SOLVENTS, DETERGENTS, OR WASHWATER FROM CONSTRUCTION EQUIPMENT OR EXTERNAL BUILDINGS; TOXIC OR HAZARDOUS SUBSTANCE; SANITARY SEWAGE WASTEWATER.

14. THE DESIGN ENGINEER (STUDIO T3) IS NOT RESPONSIBLE FOR NOTIFYING UFPO FOR UNDERGROUND UTILITY LOCATION PRIOR TO EXCAVATION OR CONSTRUCTION. UNDERGROUND UTILITY LOCATION DETERMINATION BY HAND-DIGGING OR VACUUM EXCAVATION MAY BE NECESSARY IF DIRECTED BY RESPECTIVE UTILITY SERVICE AGENCIES. IF NECESSARY AN UNDERGROUND UTILITY SURVEY SHALL BE DONE PRIOR TO EXCAVATION AND CONSTRUCTION IN ORDER TO ELIMINATE DELAYS RESULTING FROM INTERFERENCE WITH UN-DOCUMENTED OR UN-LOCATED BURIED UTILITIES ENCOUNTERED.

15. THE DESIGN ENGINEER (STUDIO T3) IS NOT RESPONSIBLE FOR CONSTRUCTION SITE SAFETY AND COMPLIANCE WITH THE LATEST OSHA STANDARDS OR INDUSTRIAL CODE RULE 57 DURING CONSTRUCTION.

16. THE DESIGN ENGINEER (STUDIO T3) IS NOT RESPONSIBLE FOR THE REMEDIATION OF ASBESTOS, LEAD, MERCURY, MOLD, RADON, OR RODENT ABATEMENT PRIOR TO DEMOLITION OF EXISTING BUILDINGS.

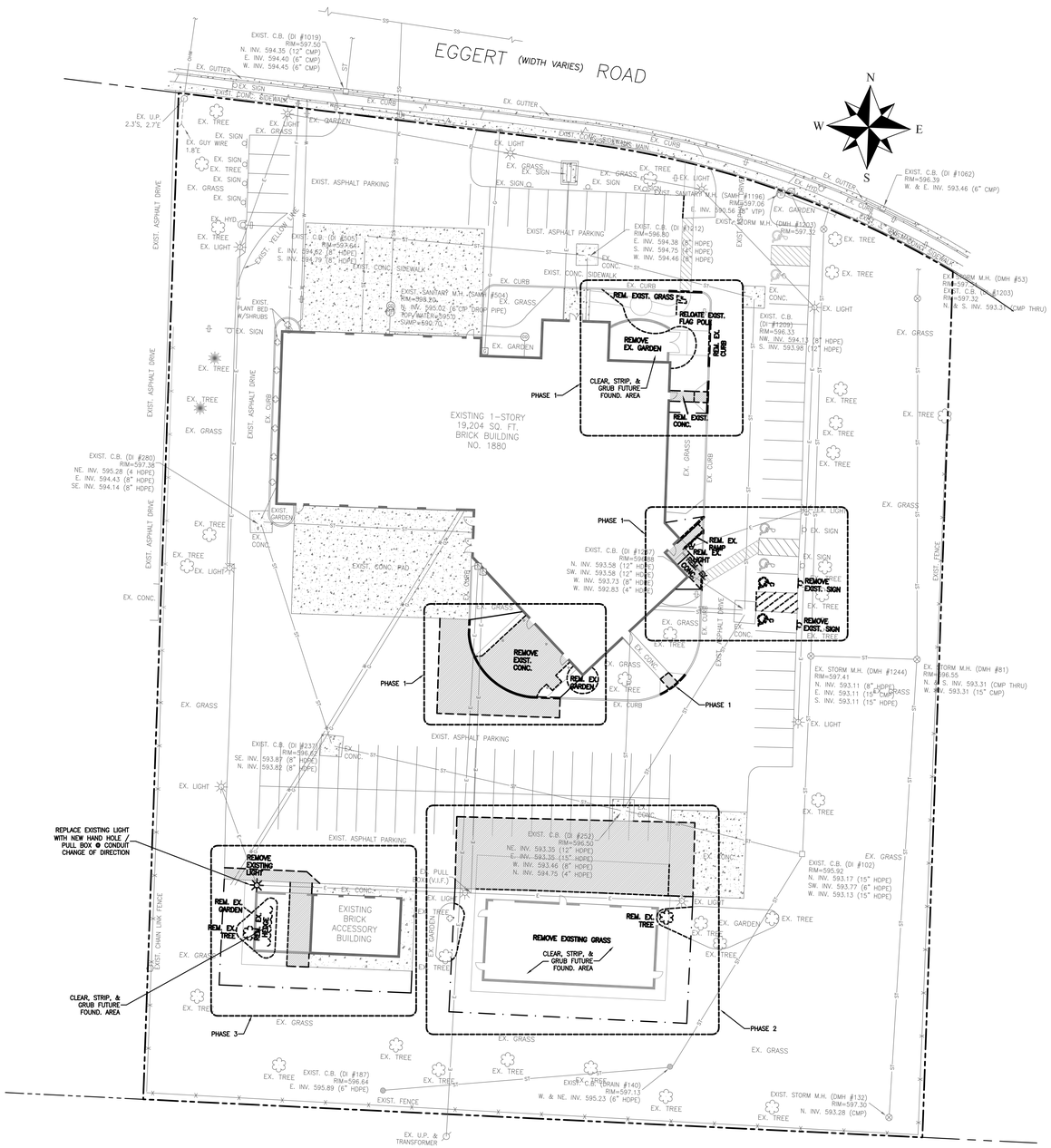
17. EXCAVATION AND CONSTRUCTION OPERATIONS SHOULD BE SCHEDULED TO MINIMIZE THE AMOUNT OF AREA DISTURBED AT ONE TIME. BUFFER AREAS OF EXISTING VEGETATION TO BE REMOVED SHOULD BE LEFT IN PLACE AS LONG AS POSSIBLE WHERE PRACTICAL.

18. TEMPORARY SHORING AND UNDERPINNING COSTS FOR ALL EXISTING ADJACENT BUILDING FOUNDATIONS, WALL FOUNDATIONS, DECK FOUNDATIONS, OR FENCE FOOTINGS SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR.

19. ANY DAMAGE TO EXISTING BUILDINGS, PAVEMENT, FOUNDATIONS, WALLS, FENCES, LANDSCAPING, OR ABOVEGROUND OR BELOWGROUND UTILITIES EITHER OUTSIDE THE PROPERTY OR OUTSIDE THE LIMIT OF WORK / RE-GRADING LINE SHALL BE REPLACED IN KIND.

20. ANY DEVIATION FROM ANY PLANS IN THIS DRAWING SET SHALL REQUIRE APPROVAL OF THE DESIGN ENGINEER (STUDIO T3) AND THE TOWN OF AMHERST PLANNING AND BUILDING DEPARTMENTS, AS WELL AS THE APPROPRIATE UTILITY COMPANIES AND SERVICE PROVIDERS. ANY AND ALL CHANGES MADE WITHOUT NOTIFICATION OR APPROVAL OF THE DESIGN ENGINEER (STUDIO T3) SHALL BE CONSIDERED UNAUTHORIZED AND THE DESIGN ENGINEER (STUDIO T3) SHALL NOT BE LIABLE FOR ANY DAMAGES, DELAYS, ADDITIONAL COSTS INCURRED, OR ANY OTHER CONSEQUENCES ARISING FROM SUCH CHANGES.

21. ALL CONTRACTORS AND SUBCONTRACTORS SHALL BE INSURED AND LICENSED IN THE STATE OF NEW YORK, THE COUNTY OF ERIE, AND THE TOWN OF AMHERST.



SITE DEMOLITION PLAN

SCALE : 1" = 30'-0"

0 30 60 120

N

LEGEND

- PROPERTY LINE
- EX. EDGE OF PVMNT. TO REMAIN
- EX. EDGE OF PVMNT. TO BE REMOVED
- NEW EDGE OF PVMNT.
- EXISTING CURB TO REMAIN
- EXISTING CURB TO BE REMOVED
- NEW CURB
- SAW-CUT LINE
- EXISTING PAVEMENT AREAS TO BE REMOVED
- EXISTING TREE OR SHRUB TO REMAIN
- EXISTING TREE OR SHRUB TO BE REMOVED

THE CONTRACTOR SHALL CONTACT THE DESIGN ENGINEER BEFORE EXCAVATION & CONSTRUCTION TO ENSURE HE/SHE HAS THE FINAL SET OF DESIGN DOCUMENTS AS ISSUED FOR CONSTRUCTION. THIS PLAN IS CURRENT AS OF THE DATE IT WAS ISSUED. SUBSEQUENT UPDATES OF THIS PLAN BY THE DESIGN ENGINEER DOES NOT AFFORD ANY TRANSFEREES THE RIGHT TO RECEIVE SAID UPDATES, BUT PLACES THE RESPONSIBILITY TO THE TRANSFEREE TO OBTAIN UPDATED PLANS WHICH ARE ISSUED FOR CONSTRUCTION AS THESE MAY DIFFER FROM PREVIOUS PLANS ISSUED FOR PERMIT OR BID.

EGGERTSVILLE HOSE COMPANY
EXTERIOR SITE IMPROVEMENTS
1880 EGGERT ROAD, AMHERST, NY 14226

FOR OFFICIAL TOWN OF AMHERST USE

STAMP/SEAL

1	ISSUED FOR SITE PLAN REV.	1/21/25
2	ISSUED FOR CLIENT REVIEW	1/3/25

SITE DEMOLITION PLAN

studio T3
Engineering, PLLC
2495 Main Street, Suite 301
Buffalo, New York 14214
Phone: (716) 803-6400
Fax: (716) 810-9504

DRAWN BY: AVT
CHECKED BY: RMT
JOB # 23-194A

SHEET C-5.0

WARNING: IT IS A VIOLATION OF SECTION 7209, SUBDIVISION 2, OF THE NEW YORK STATE EDUCATION LAW FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED ARCHITECT OR PROFESSIONAL ENGINEER, TO ALTER IN ANY WAY, PLANS, SPECIFICATIONS, OR REPORTS TO WHICH THE SEAL OF A LICENSED ARCHITECT OR PROFESSIONAL ENGINEER HAS BEEN APPLIED.

Attachment: SP-1994-18_B_drawings_032025 (29950 : SP-1994-18B, 1880 Eggert Road)

EROSION CONTROL NOTES:

1. GRADING, TOPSOILING, AND STABILIZING SECTIONS SHALL BE COMPLETED BEFORE EXCAVATION STARTS ON OTHER SECTIONS, IN ORDER NOT TO LEAVE ANY AREAS EXPOSED TO WIND AND RAIN EROSION FOR LONGER DURATION THAN NECESSARY.
2. ALL WASTE MATERIALS SHALL BE COLLECTED AND STORED IN A SECURELY LIDDED METAL DUMPSTER. ALL TRASH AND CONSTRUCTION DEBRIS FROM THE SITE SHALL BE DEPOSITED IN THE DUMPSTER ON A DAILY BASIS. ABSOLUTELY NO CONSTRUCTION MATERIALS SHALL BE BURIED ON SITE.
3. ALL VEHICLES ON SITE SHALL BE MONITORED FOR LEAKS AND RECEIVE REGULAR PREVENTIVE MAINTENANCE TO REDUCE THE CHANCE OF LEAKAGE FOR THE ENTIRE DURATION OF CONSTRUCTION. ANY PETROLEUM PRODUCTS USED SHALL BE STORED IN TIGHTLY SEALED CONTAINERS WHICH ARE CLEARLY LABELED. SPILL KITS SHALL BE INCLUDED WITH ANY FUELING SOURCES AND MAINTENANCE ACTIVITIES AS NECESSARY.
4. ALL PAINT CONTAINERS OR CURING COMPOUNDS SHALL BE TIGHTLY SEALED AND STORED WHEN NOT IN USE. EXCESS PAINT SHALL NOT BE DISCHARGED TO THE STORM SEWER SYSTEM BUT SHALL BE PROPERLY DISPOSED OF IN CONFORMANCE TO MANUFACTURER'S INSTRUCTIONS.
5. WHEN ACTIVITIES TEMPORARILY CEASE DURING CONSTRUCTION, SOIL STOCKPILES AND ANY EXPOSED SOILS SHALL BE STABILIZED BY MULCH OR COVERED WITH TARPS NO MORE THAN 14 DAYS AFTER CONSTRUCTION ACTIVITY HAS CEASED.
6. THE CONTRACTOR SHALL INSPECT ALL EROSION CONTROL DEVICES SHOWN ON THIS PLAN ON A DAILY BASIS AND AFTER RAIN STORMS. ANY NEEDED REPAIRS SHALL BE MADE IMMEDIATELY TO MAINTAIN ALL EROSION CONTROL DEVICES AS SPECIFIED IN THIS PLAN AND ON THE EROSION CONTROL DETAILS.
7. TOPSOIL STOCKPILES SHALL NOT BLOCK DRAINAGE FLOWS DURING CONSTRUCTION. STOCKPILES SHALL NOT BE LOCATED NEAR SLOPES, ROADWAYS, SWALES, DRAINAGE INLETS, OR BODIES OF WATER. THE BASE OF ALL STOCKPILES SHALL BE PROTECTED WITH SILT FENCING, OR ELSE THE ENTIRE STOCKPILE SHALL BE COVERED WITH TARPS AND SANDBAGS.
8. THE CONTRACTOR SHALL PREVENT TRACKING OR FLOWING OF MUD INTO STREETS OR AREAS OUTSIDE OF CONSTRUCTION LOCATION.
9. ALL WATER PUMPED FROM EXCAVATIONS SHOULD BE DIRECTED TO A SEDIMENT TRAP, SEDIMENT BASIN, OR FILTRATION DEVICE SHOWN ON THE EROSION CONTROL DETAILS.
10. ALL CATCH BASIN SUMPS SHALL BE CLEANED OUT AND SOIL SEDIMENTS SHALL BE DISPOSED OF AT AN APPROPRIATE OFFSITE LOCATION.
11. ALL CHLORINATED WATER USED FOR FLUSHING WATERLINES SHALL BE DISCHARGED TO THE SANITARY SEWER AND NEVER TO ANY STORM SEWER, CATCH BASIN, OR SWALE.
12. ALL PORTABLE TOILETS SHALL BE LOCATED AWAY FROM GUTTERS, CATCH BASINS, STORM SEWERS, AND WATERWAYS. PORTABLE TOILETS SHALL BE PLACED ON A FLAT, STABLE GROUND SURFACE NOT PRONE TO FLOODING. ALL PORTABLE TOILETS SHALL BE ANCHORED TO PREVENT BLOWING OVER DURING WINDSTORMS.
13. ANY DETERGENTS OR ACID CLEANERS WASHES USED TO CLEAN OR RINSE CONCRETE, STUCCO, MASONRY, ETC. SHALL NEVER BE DISCHARGED TO ANY STORM SEWER, CATCH BASIN, SWALE, OR POND.
14. AVOID STORING PETROLEUM PRODUCTS ON SITE IF POSSIBLE. IF NOT POSSIBLE, STORE AWAY FROM CATCH BASINS OR DRAINAGE WAYS.
15. AVOID ON-SITE STORAGE OF PESTICIDES, FERTILIZERS, AND HERBICIDES. IF UNAVOIDABLE, ALL CHEMICALS SHALL BE STORED IN ORIGINAL PACKAGES IN A SEPARATELY DESIGNATED COVERED CONTAINMENT AREA.
16. USE CLEAN OR RECYCLED WATER WHEN SPRINKLING SOIL FOR DUST CONTROL.
17. TO PROTECT EXISTING LAWN OR VEGETATED AREAS FROM RUTS CAUSED BY CONSTRUCTION VEHICLES, TEMPORARY LAYOUT VEHICLE TRACK PATHS WITH PLYWOOD OR GEORUNNER SURFACE PROTECTION INSTALLED PER MANUFACTURER'S INSTRUCTIONS (CALL 800-548-3424 TO ORDER OR DETERMINE NEAREST DISTRIBUTOR).
18. UNDER NO CIRCUMSTANCES SHALL CONCRETE TRUCK WASH WATER BE ALLOWED TO BE DISCHARGED OR DUMPED ANYWHERE ON THE CONSTRUCTION SITE. ALL EXCESS CONCRETE OR WASH WATER SHALL BE DISPOSED AT AN APPROPRIATE OFFSITE LOCATION (SUCH AS A DESIGNATED LANDFILL) AS DIRECTED BY LOCAL AUTHORITIES.
19. ANY DISTURBED AREAS THAT WILL BE LEFT EXPOSED FOR MORE THAN THIRTY (30) DAYS, AND NOT SUBJECT TO CONSTRUCTION TRAFFIC WILL IMMEDIATELY RECEIVE TEMPORARY SEEDING WITH ANNUAL OR PERENNIAL RYE GRASS AT 30 lbs. PER ACRE, FOLLOWED BY MULCHING WITH STRAW AT A RATE OF 2 TO 2½ TONS PER ACRE.
20. SECURE OPEN BAGS OF CEMENT AND KEEP CEMENT POWDER AWAY FROM STREETS, CATCH BASINS, AND SWALES. PROTECT CONSTRUCTION MATERIALS FROM RAINFALL AND RUNOFF BY STORING UNDER COVER. AVOID STORING MATERIALS NEAR CATCH BASINS, SWALES, OR STORM SEWERS.
21. ANY FERTILIZER SPILLED ONTO IMPERVIOUS SURFACES SUCH AS PARKING LOTS, ROADWAYS, AND SIDEWALKS SHALL BE IMMEDIATELY CONTAINED AND REMOVED, ELSE LEGALLY RE-APPLIED PER THE NOTES IN THE SITE LANDSCAPE PLAN.
22. NONE OF THE FOLLOWING SHALL BE EITHER RELEASED ON SITE, SPILLED, OR DISCHARGED TO GROUNDWATER, STREAMS, OR STORM SEWER SYSTEMS ON SITE: WASTEWATER WASHOUT FROM CONCRETE; WASTEWATER WASHOUT FROM CLEANOUT OF STUCCO, PAINT, FORM RELEASE OILS, CURING COMPOUNDS, AND OTHER CONSTRUCTION MATERIALS/FLUIDS; FUELS, OILS, AND OTHER VEHICLE FLUIDS; SOAPS, SOLVENTS, DETERGENTS, OR WASHWATER FROM CONSTRUCTION EQUIPMENT OR EXTERNAL BUILDINGS; TOXIC OR HAZARDOUS SUBSTANCE; SANITARY SEWAGE WASTEWATER.
23. ANY DAMAGED PROPERTY WITHIN THE PROJECT SITE OR ADJACENT PROJECT SITES SHALL BE RESTORED IN KIND.
24. ALL CONTRACTORS AND SUBCONTRACTORS SHALL BE INSURED AND LICENSED IN THE STATE OF NEW YORK, THE COUNTY OF ERIE, AND THE TOWN OF AMHERST.

EROSION CONTROL SEQUENCE

*** THE SEQUENCE BELOW IS INTENDED TO BE A GENERAL GUIDELINE FOR IMPLEMENTATION OF EROSION AND SEDIMENTATION PREVENTION DEVICES ONLY. SPECIFIC CONSTRUCTION TECHNIQUES, MEANS, METHODS, AND SCHEDULING ARE THE SOLE RESPONSIBILITY OF THE CONTRACTOR AND OWNER.

① OBTAIN ALL BUILDING PERMITS, INCLUDING CLEARING, STRIPPING, AND GRUBBING PERMITS.

② OBTAIN A DUMPSTER AND A DEBRIS DISPOSAL PERMIT AS NECESSARY.

③ HOLD PRE-CONSTRUCTION MEETING WITH OWNER'S SITE EROSION CONTROL INSPECTOR.

④ FLAG CLEARING LIMITS AS SHOWN ON THE SITE DEMOLITION PLAN.

⑤ CLEAR, GRUB, AND STRIP THE SITE AS SHOWN ON THE SITE DEMOLITION PLAN. STOCKPILE ALL TOPSOIL AS DIRECTED ON THE EROSION CONTROL PLAN.

⑥ ROUGH GRADE THE ENTIRE SITE. ESTABLISH ANY TEMPORARY STORMWATER DIVERSIONS AS NECESSARY. STABILIZE ALL DISTURBED AREAS AND STOCKPILES WITHIN 14 DAYS OF THE LAST DISTURBANCE ACTIVITY IN EACH AREA.

C C-5.7 ⑦ INSTALL ALL UTILITIES AND STRUCTURES, INCLUDING CATCH BASINS AND STORM SEWERS AS SHOWN ON THE SITE UTILITY AND DRAINAGE PLANS AND DETAILS. IMMEDIATELY INSTALL TEMPORARY CATCH BASIN INLET PROTECTION WHERE SHOWN ON THE EROSION CONTROL PLAN AS PER THE INSTALLATION INSTRUCTIONS ON THE EROSION CONTROL DETAILS.

⑧ TEMPORARY TRENCH BACKFILL STOCKPILES SHALL BE PROTECTED FROM EROSION AND SEDIMENTATION USING TARPS, IF LEFT FOR LONG PERIODS OF TIME OR DURING RAIN STORMS. MINIMAL DISTURBANCE AROUND TRENCH AREAS SHALL BE MADE TO REMOVE AS LITTLE VEGETATION AS POSSIBLE FROM THE VICINITY OF THE TRENCH.

⑨ INSTALL GRAVEL SUBBASE TO ALL PROPOSED PARKING AND PAVEMENT AREAS AND COMPACT AS SHOWN IN SPECIFICATIONS ON RESPECTIVE DETAILS AS SOON AS POSSIBLE FOLLOWING ROUGH GRADING AND COMPACTION OF SUBGRADE. IMPLEMENT DUST CONTROL MEASURES AS DIRECTED ON THE EROSION CONTROL PLAN NOTES.

⑩ CONSTRUCT ALL BUILDINGS AND ACCESSORY STRUCTURES.

A C-5.7 ⑪ COMPLETE FINAL GRADING AND TOPSOILING OF ENTIRE SITE. SEED OR HYDRO-SEED WITHIN 24 HOURS AFTER FINAL GRADING AND TOPSOILING. HYDRO-MULCH IMMEDIATELY FOLLOWING SEEDING OR HYDRO-SEEDING.

⑫ REMOVE TEMPORARY PIPE INLET PROTECTION AFTER HYDRO-MULCHING IS COMPLETED.

⑬ INSTALL ALL ASPHALT AND CONCRETE PAVEMENT WHERE SHOWN ON THE SITE LAYOUT AND DIMENSIONAL SITE PLAN AS PER THE SITE DETAILS.

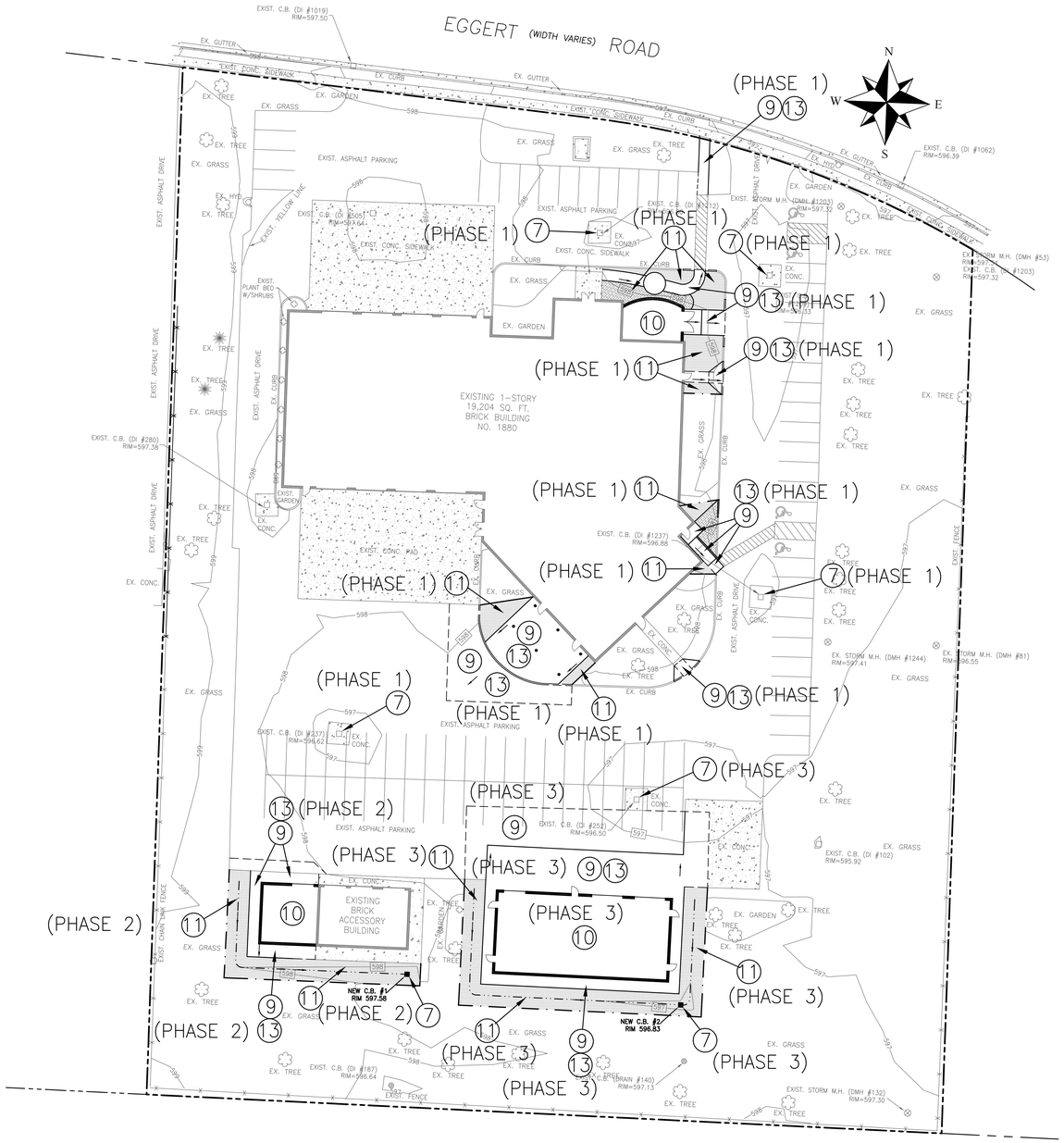
⑭ INSTALL REMAINING LANDSCAPING (SHRUBS, TREES, AND MULCH) WHERE SHOWN ON THE SITE LANDSCAPE PLAN AS PER THE LANDSCAPE DETAILS.

⑮ WHEN ALL CONSTRUCTION ACTIVITY IS COMPLETED AND SITE VEGETATION IS IN PLACE AND STABILIZED, REMOVE AND DISPOSE OF ANY REMAINING TEMPORARY EROSION CONTROL DEVICES AS DIRECTED IN THE MAINTENANCE INSTRUCTIONS ON EACH DEVICE'S RESPECTIVE DETAIL SHOWN ON THE EROSION CONTROL DETAILS.

B C-5.7 ⑯ CLEAN AND PUMP UNDERGROUND STORMWATER DETENTION SYSTEMS AS DIRECTED BY MANUFACTURER.

LEGEND

- EXISTING EDGE OF PAVEMENT
- NEW EDGE OF PAVEMENT
- EXISTING CURB
- NEW CURB
- PROPERTY / R.O.W. LINES
- ADJACENT PROPERTY LINES
- EXISTING CONTOUR LINES
- PROPOSED CONTOUR LINES
- ST — ST — STORM SEWER
- EXISTING UTILITY POLE
- EXISTING HYDRANT
- EXISTING CATCH BASIN
- NEW CATCH BASIN
- EXISTING MANHOLE
- NEW LAWN AREAS TO BE SEEDED OR HYDRO-SEEDED THEN HYDRO-MULCHED
- NEW MULCH BED AREAS



EROSION CONTROL PLAN

SCALE : 1"= 30'-0"

0 30 60 120

N

THE CONTRACTOR SHALL CONTACT THE DESIGN ENGINEER BEFORE EXCAVATION & CONSTRUCTION TO ENSURE HE/SHE HAS THE FINAL SET OF DESIGN DOCUMENTS AS ISSUED FOR CONSTRUCTION. THIS PLAN IS CURRENT AS OF THE DATE IT WAS ISSUED. SUBSEQUENT UPDATES OF THIS PLAN BY THE DESIGN ENGINEER DOES NOT AFFORD ANY TRANSFEREES THE RIGHT TO RECEIVE SAID UPDATES, BUT PLACES THE RESPONSIBILITY TO THE TRANSFEREE TO OBTAIN UPDATED PLANS WHICH ARE ISSUED FOR CONSTRUCTION AS THESE MAY DIFFER FROM PREVIOUS PLANS ISSUED FOR PERMIT OR BID.

EGGERTSVILLE HOSE COMPANY
EXTERIOR SITE IMPROVEMENTS
1880 EGGERT ROAD, AMHERST, NY 14226

FOR OFFICIAL TOWN OF AMHERST USE

STAMP/SEAL

1	ISSUED FOR SITE PLAN REV.	1/21/25
2	ISSUED FOR CLIENT REVIEW	1/3/25

EROSION CONTROL PLAN

studio T3
Engineering, PLLC
2495 Main Street, Suite 301
Buffalo, New York 14214
Phone: (716) 803-6400
Fax: (716) 810-9504

DRAWN BY: AVT
CHECKED BY: RMT
JOB # 23-194A

SHEET C-5.1

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Attachment: SP-1994-18_B_drawings_032025 (29950 : SP-1994-18B, 1880 Eggert Road)

HDYRO-SEED & HYDRO-MULCH INSTALLATION INSTRUCTIONS:

*** AREAS TO BE HYDRO-SEEDED AND HYDRO-MULCHED WITH HYDROSTRAW ARE SHOWN ON THE EROSION CONTROL PLAN. THE CONTRACTOR SHALL CONTACT HYDROSTRAW (800) 545-1755 TO ORDER, AND FOR A LIST OF CERTIFIED HYDROMULCH APPLICATOR CONTRACTORS.

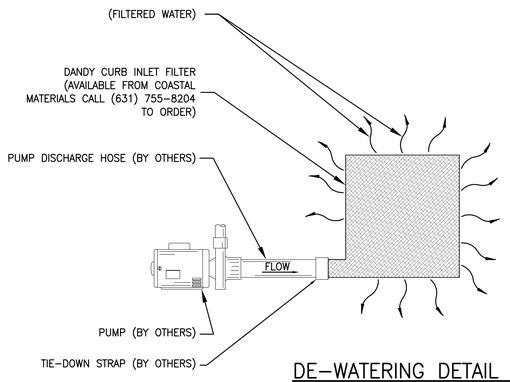
1. TILL AREAS OF INSTALLATION TO A 4 INCH MINIMUM DEPTH, THEN TOPSOIL AREAS OF INSTALLATION TO STABILIZED FINISHED GRADE. ADD LIME AND FERTILIZER TO SOIL (IF REQUIRED) AT 400 lbs PER ACRE 24 HOURS BEFORE TILLING. REMOVE ALL ROCKS, CLODS, VEGETATION, OR OTHER OBSTRUCTIONS SO THAT THE SEED WILL HAVE DIRECT CONTACT WITH THE SOIL SURFACE.
2. TOPSOIL SHALL BE ROUGHENED WITH RAKE, BACK-HOE, OR DISC PRIOR TO HYDRO-SEEDING AND HYDRO-MULCHING. NO HYDRO-SEEDING AND HYDRO-MULCHING SHALL BE APPLIED TO SMOOTH, COMPACTED, OR UN-ROUGHENED TOPSOIL SURFACES.
3. HYDRO-SEED GRASS AS PER SEED VENDOR'S INSTRUCTIONS.
4. APPLY HYDRO-MULCH TO COVER THE GRASS SEED. PER HYDROMULCH SPECIFICATIONS IMMEDIATELY FOLLOWING SEEDING. APPLY AT 2,000 lbs PER ACRE MINIMUM FOR SLOPES 3:1 AND FLATTER. APPLY HYDROSTRAW GUAR PLUS AT 3,000 lbs PER ACRE MINIMUM FOR SLOPES BETWEEN 2:1 AND 3:1. APPLY HYDROSTRAW BONDED FIBER MATRIX AT 4,500 lbs PER ACRE MINIMUM FOR SLOPES BETWEEN 1:1 AND 2:1.
5. HYDROMULCH SHOULD BE APPLIED AT LEAST 8 HOURS PRIOR TO RAINSTORM EVENTS.

HDYRO-SEED & HYDRO-MULCH MAINTENANCE INSTRUCTIONS:

1. THE SLOPE SHALL BE MONITORED DAILY FOR EROSION ESPECIALLY AFTER RAIN STORMS. RE-APPLICATION SHALL BE REQUIRED WHEREVER ACCEPTABLE GERMINATION IS NOT OBTAINED.
2. KEEP HYDRO-SEEDED AND HYDRO-MULCHES AREAS MOIST BY DAILY APPLICATION OF WATER FOR A MINIMUM OF TEN DAYS UNTIL THE SEEDS HAVE GERMINATED, OR AS RECOMMENDED BY THE SEED VENDOR.
3. THE ABOVE SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
4. THE GRASS SHOULD NOT BE MOWED UNTIL IT REACHES AT LEAST 3½ INCHES IN HEIGHT. MOW ONLY THE TOP THIRD OF EACH GRASS BLADE TO ENSURE SURVIVAL.

HYDROMULCH INSTALLATION (A)

SCALE : N.T.S.



DE-WATERING DETAIL (B)

SCALE :1/2" = 1'-0"

INSTALLATION INSTRUCTIONS:

*****USE THIS DEVICE TO FILTER ANY GROUNDWATER OR RAIN WATER PUMPED FROM TRENCHES OR EXCAVATIONS TO BE DE-WATERED.

1. PLACE EMPTY DANDY BAG OVER THE GRATE AS THE GRATE STANDS ON END.
2. IF USING OPTIONAL OIL ABSORBENTS, PLACE ABSORBENT PILLOW IN POUCH ON BOTTOM OF UNIT AND ATTACH PILLOW TO TETHER LOOP.
3. HOLDING THE LIFTING DEVICE (DO NOT RELY ON LIFTING DEVICE TO SUPPORT ENTIRE WEIGHT OF GRATE), PLACE THE GRATE INTO ITS FRAME.

MAINTENANCE INSTRUCTIONS:

1. REMOVE ALL ACCUMULATED SEDIMENT AND DEBRIS FROM THE SURFACE AND VICINITY OF THE UNIT AFTER EACH RAINFALL EVENT.
2. REMOVE ACCUMULATED SEDIMENT WITHIN THE BAG AS NEEDED.
3. IF USING OPTIONAL OIL ABSORBENTS, REMOVE AND REPLACE ABSORBENT PILLOW WHEN NEAR SATURATION.

ISOMETRIC VIEW

TEMPORARY INLET PROTECTION DETAIL (C)

SCALE : 1/2" = 1'-0"

INSTALLATION INSTRUCTIONS:

1. PREPARE SURFACE BY SWEEPING AWAY ANY DIRT OR DEBRIS FROM GRATE SURFACE TO ENSURE GOOD CONTACT BETWEEN MAGNETS AND GRATE.
2. CENTER FILTER ON GRATE TO ENSURE FILTER COVERS ALL HOLES IN GRATE AND THAT MAGNETS WILL CONTACT THE GRATE. THERE SHOULD BE APPROXIMATELY 3 INCHES OVERLAP ON EACH SIDE.
3. LOWER FILTER INTO PLACE AND PUSH FILTER WITH HND OR FOOT TO CHECK MAGENTIC CONNECTION. REMOVE, ADJUST, AND RE-SET AS NECESSARY.

MAINTENANCE INSTRUCTIONS:

1. INSPECT MONTHLY OR AFTER EVERY HALF INCH OF RAINFALL.
2. USE A SHOVEL OR BROOM TO REMOVE DIRT AND SEDIMENT FROM AROUND THE EDGE OF THE DRAIN.
3. IN CASE OF FLOODING, OVERFLOW PORT IS PRE-CUT ON 3 SIDES AND CAN BE REMOVED AT EROSION CONTROL INSPECTOR'S DISCRETION.
4. WHEN CONSTRUCTION IS COMPLETE, ALL DRY SEDIMENT AND DEBRIS AROUND THE FILTER SHOULD BE SWEPT AND / OR VACUUMED PRIOR TO REMOVING THE FILTER.
5. WHEN THE SITE IS STABILIZED TO PREVENT EROSION AND SEDIMENTATION, REMOVE AND RE-USE FILTER ON NEXT CONSTRUCTION SITE.
6. AFTER 3 TO 4 CONSTRUCTION SITE USAGES, SHOULD THE FILTER BEGIN TO DISINTEGRATE IT SHOULD BE DISCARDED BY CUTTING AND REMOVING MAGNETS AND THEN PLACING IN FUTURE LAWN OR LANDSCAPE AREAS AS MULCH (FILTER IS BIODEGRADABLE).

FOR OFFICIAL TOWN OF AMHERST USE

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EGGERTSVILLE HOSE COMPANY EXTERIOR SITE IMPROVEMENTS

1880 EGGERT ROAD, AMHERST, NY 14226

STAMP/SEAL

3	ISSUED FOR SITE PLAN REV.	1/21/25
2	ISSUED FOR CLIENT REVIEW	1/3/25

EROSION CONTROL DETAILS

studio T3
Engineering, PLLC
2495 Main Street, Suite 301
Buffalo, New York 14214
Phone: (716) 803-6400
Fax: (716) 810-9504

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CHECKED BY: RMT
JOB # 23-194A

SHEET C-5.2

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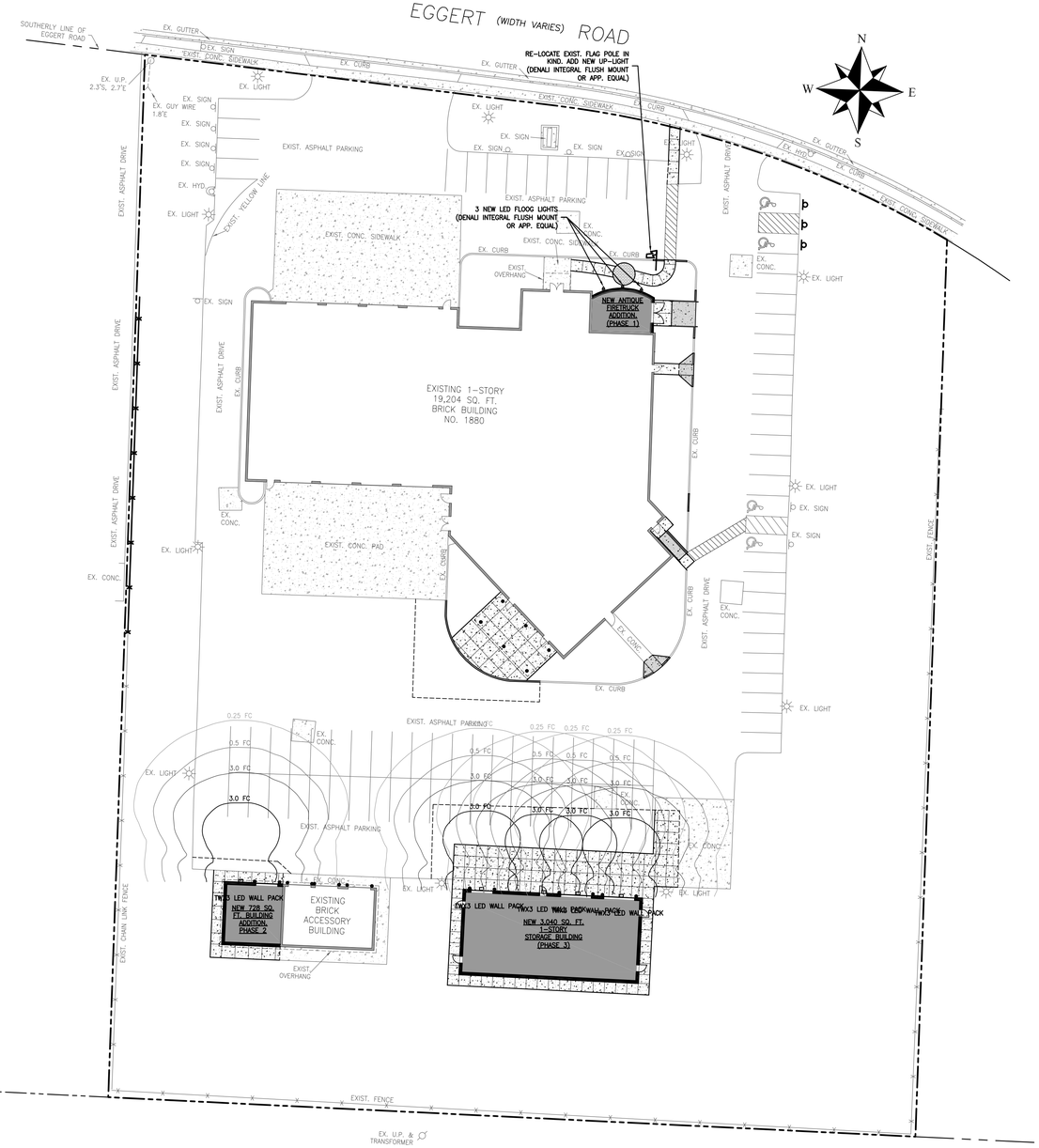
Attachment: SP-1994-18_B_drawings_032025 (29950 : SP-1994-18B, 1880 Eggert Road)



PHOTOMETRIC LIGHTING PLAN

SCALE : 1"= 30'-0"

0 30 60 120

FOR OFFICIAL TOWN OF AMHERST USE

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EGGERTSVILLE HOSE COMPANY
EXTERIOR SITE IMPROVEMENTS
1880 EGGERT ROAD, AMHERST, NY 14226

STAMP/SEAL

	ISSUED FOR SITE PLAN REV.	1/21/25
	ISSUED FOR CLIENT REVIEW	1/3/25

PHOTOMETRIC LIGHTING PLAN

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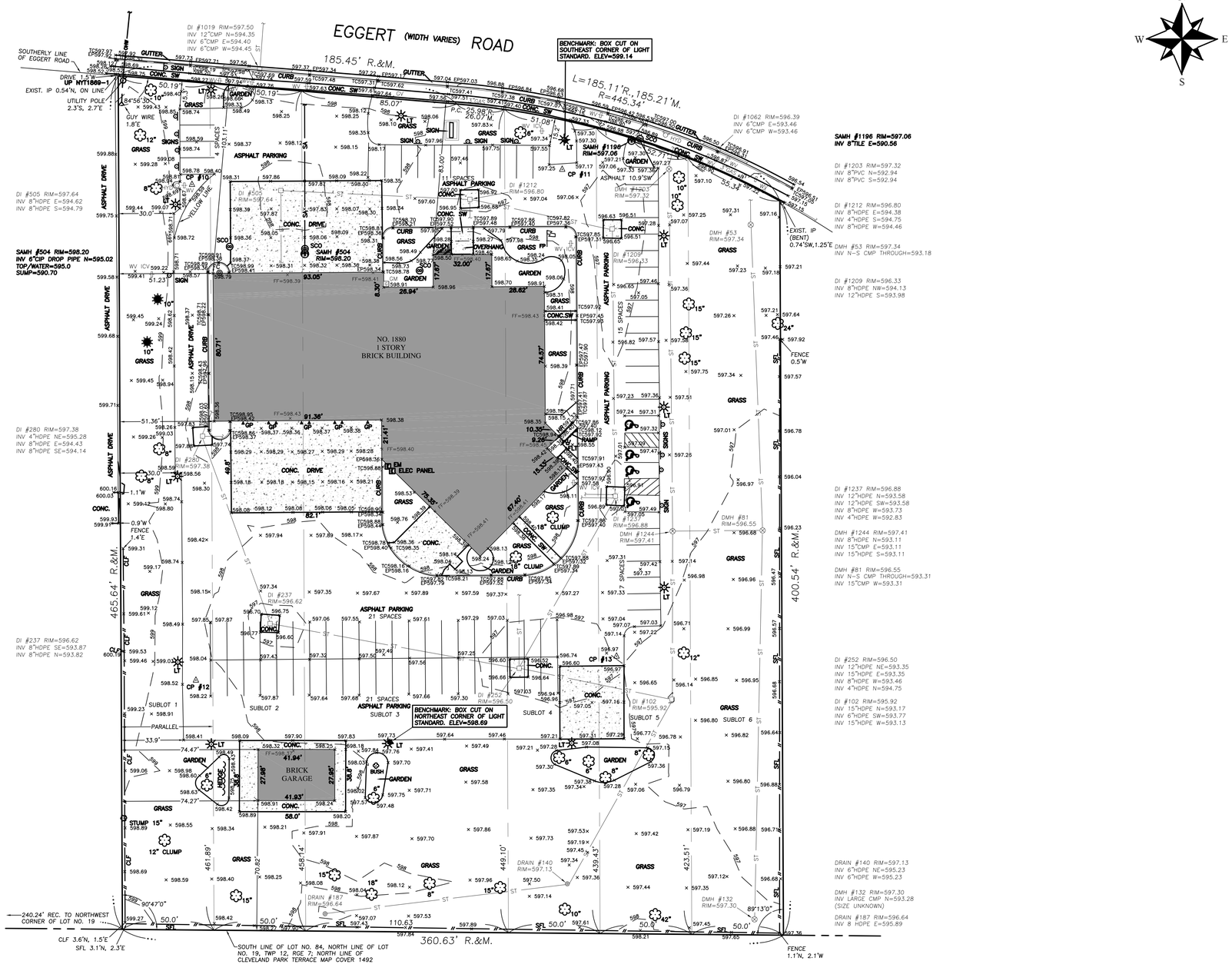
Attachment: SP-1994-18_B_drawings_032025 (29950 : SP-1994-18B, 1880 Eggert Road)

LEGEND

SFL	—x—	STOCKADE FENCE
CLF	—x—	CHAIN LINK FENCE
HR		HANDRAIL
		SIGN
GP		GUARD POSTS
FP		FLAG POLE
		TREE DECIDUOUS
		TREE CONIFEROUS
—G—		GAS LINE
GM		GAS METER
GV		GAS VALVE
DI		DRAINAGE INLET
DCI		DRAINAGE CURB INLET
DMH		STORM DRAINAGE MANHOLE
—ST—		STORM SEWER LINE
SAMH		SANITARY MANHOLE
SCO		SEWER CLEANOUT
—SA—		SANITARY SEWER LINE
INV		INVERT ELEVATION
LIGHT		LIGHT STANDARD
UP		UTILITY POLE
UPL		UTILITY POLE W/ LIGHT
		GUY WIRE
—OHW—		OVERHEAD WIRES
—UE—		UNDERGROUND ELECTRIC
— W —		WATER LINE
WV		WATER VALVE
WV ICV		IRRIGATION CONTROL VALVE
HYD		HYDRANT
FC		FILL CAP
CONC		CONCRETE
TC		TOP OF CURB
SW		SIDEWALK
EP		EDGE OF PAVEMENT
FF		FINISHED FLOOR
R&M		RECORD AND MEASURED
P.C.		POINT OF CURVATURE
CP	△	PRIMARY CONTROL POINT
BM		BENCHMARK



SURVEY CONTROL
VERTICAL DATUM = NAVD88 (GEOID 18)
HORIZONTAL DATUM = NAD83 (2011)

Point	Northing	Easting	Elevation	Description
10	1084737.3855	1088937.0718	598.67	MAGNAIL
11	1084737.5377	1087139.1858	597.38	MAGNAIL
12	1084467.1316	1088928.3557	598.39	MAGNAIL
13	1084471.0030	1087158.1616	597.08	MAGNAIL

NOTE: UNITS USED TO PREPARE THIS MAP ARE BASED ON THE U.S. SURVEY FOOT.

NOTE: THE UNDERGROUND UTILITIES SHOWN HAVE BEEN LOCATED FROM FIELD SURVEY INFORMATION AND EXISTING DRAWINGS. THE SURVEYOR MAKES NO GUARANTEES 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. THE SURVEYOR DOES CERTIFY THAT THEY ARE LOCATED AS ACCURATELY AS POSSIBLE FROM INFORMATION AVAILABLE. THE SURVEYOR HAS NOT PHYSICALLY LOCATED THE UNDERGROUND UTILITIES.

NOTE: WHEN ANY DESIGN OR RECONSTRUCTION INVOLVES A NEW CONNECTION TO EXISTING STORM OR SANITARY STRUCTURE AS SHOWN ON THIS DRAWING IT IS STRONGLY ADVISED THAT THE ENGINEER OR ARCHITECT CONTACT THE APPROPRIATE OPERATING AUTHORITY TO VERIFY THAT THE STRUCTURE BEING CONNECTED TO IS APPROPRIATE FOR ANY SUCH STORM OR SANITARY CONNECTION PRIOR TO PROCEEDING WITH DESIGN.

THIS SURVEY WAS PREPARED WITHOUT THE BENEFIT OF AN ABSTRACT OF TITLE AND IS SUBJECT TO ANY STATEMENT OF FACTS THAT MAY BE REVEALED BY AN EXAMINATION OF SUCH.

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ALL UNDERGROUND UTILITY LOCATIONS ARE APPROXIMATE. BEFORE YOU DIG, DRILL, OR BLAST, CALL UDIG NEW YORK AT 1-800-962-7962

CADD: 4954 EGGERTSVILLE FIRE COMPANY.DWG

1880 EGGERT ROAD
SBL 67.49-2-3.11
PARCEL AREA = 3.693± ACRES

DATE OF SURVEY	DATE OF REVISION	COMMENT	INT.

This map void unless Embossed with New York State Licensed Land Surveyors Seal No. 50510

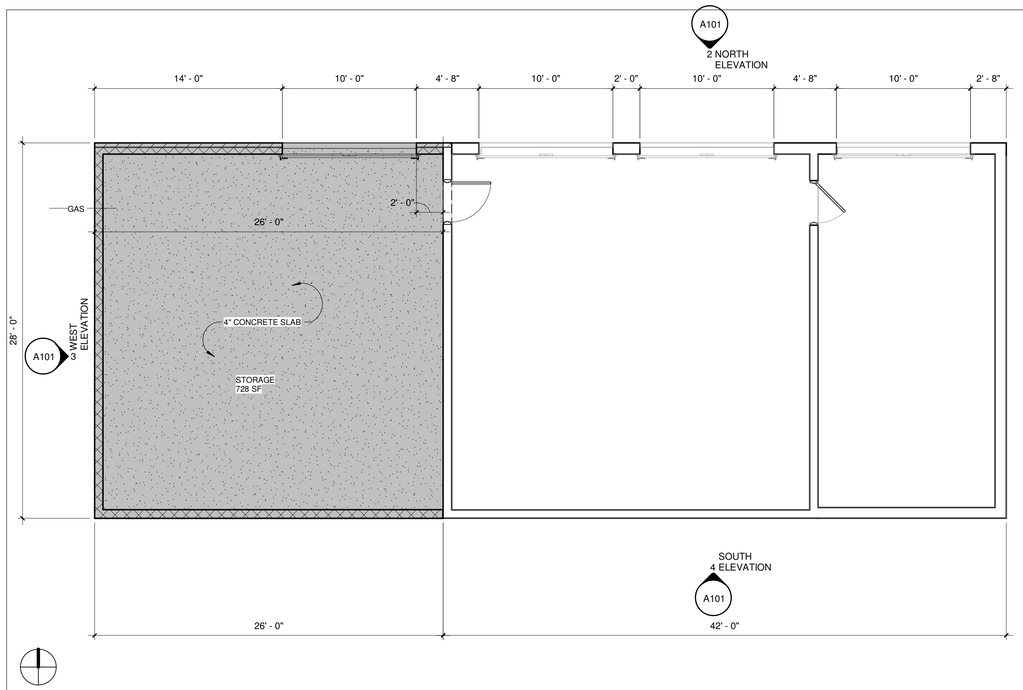
Rosanne Frandina, PE, LS

TOPOGRAPHIC SURVEY

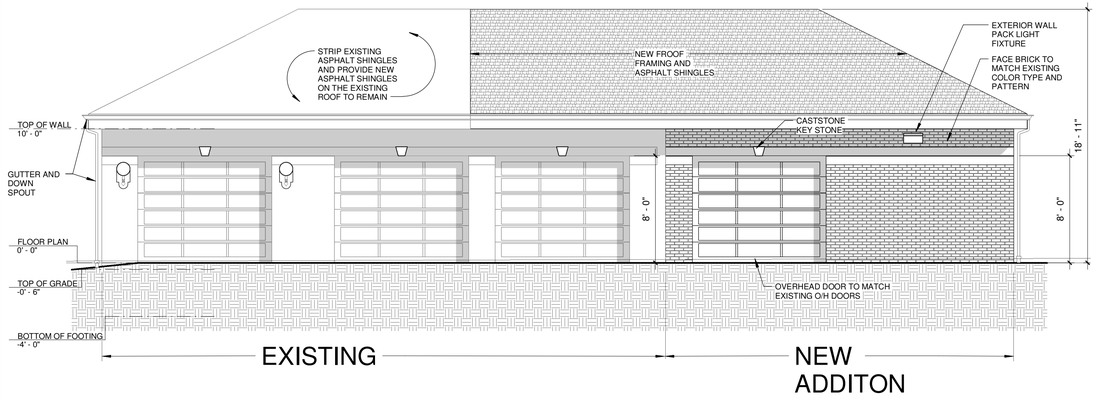
PART OF LOT NO. 84, TWP 12, RGE 7
OF THE HOLLAND LAND COMPANY'S SURVEY
TOWN OF AMHERST
COUNTY OF ERIE ~ STATE OF NEW YORK

FRANDINA ENGINEERING and LAND SURVEYING, PC
CIVIL ENGINEERS and LAND SURVEYORS
1701 Hertel Avenue, Buffalo, New York 14216
Phone: (716) 883-1299
www.FRANDINA.com

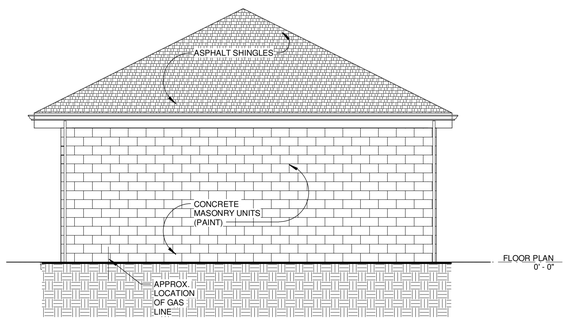
DATE : 2/7/2024 | SHEET : 1 OF 1 | DWN BY : M. CHILDS
JOB NO.: 4954 | SCALE : 1" = 30' | CHK'D BY : RF



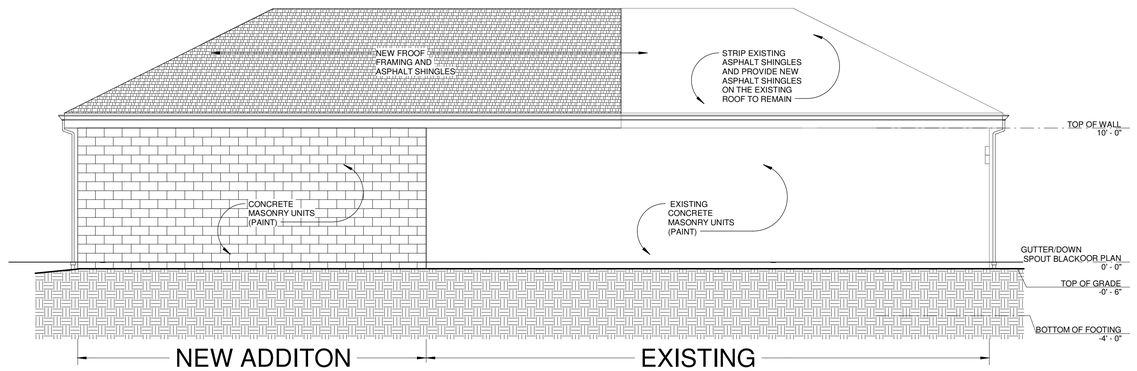
1 FLOOR PLAN
3/16" = 1'-0"



2 NORTH ELEVATION
3/16" = 1'-0"



3 WEST ELEVATION
3/16" = 1'-0"



4 SOUTH ELEVATION
3/16" = 1'-0"

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ARCHITECT

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0 2' 4' 8'
0 2'
1/4" = 1'-0"

NOT FOR CONSTRUCTION

EGGERTSVILLE FIRE DISTRICT ACCESSORY BUILDING - ADDITION PROJECT 3

1880 EGGERT RD.
EGGERTSVILLE, NEW YORK

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NO.	DESCRIPTION	DATE
0	ISSUED FOR SITE PLAN APPLICATION	01/21/2025

Issued Schedule

PROJECT NO:	24-103-03
DRAWN BY:	AUTHOR
CHECKED BY:	CHECKER
SCALE:	3/16" = 1'-0"

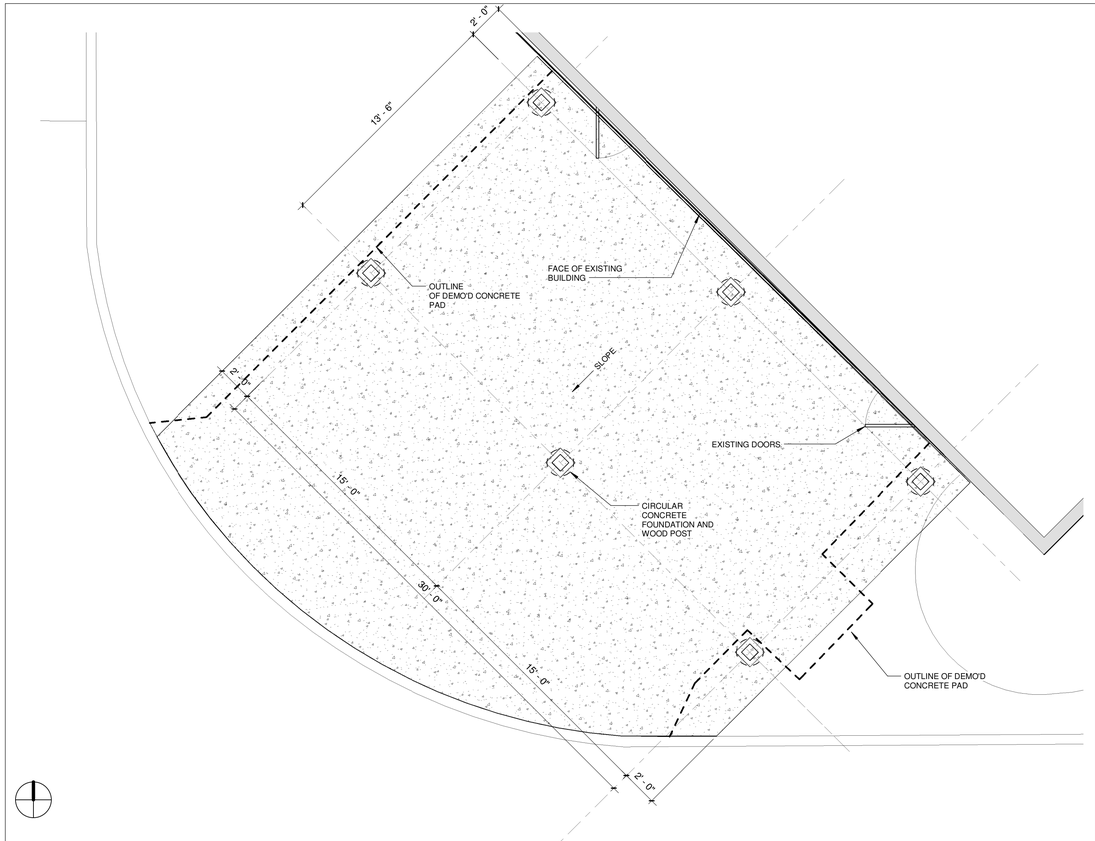
SHEET TITLE

PROJECT 3 - FIRST FLOOR

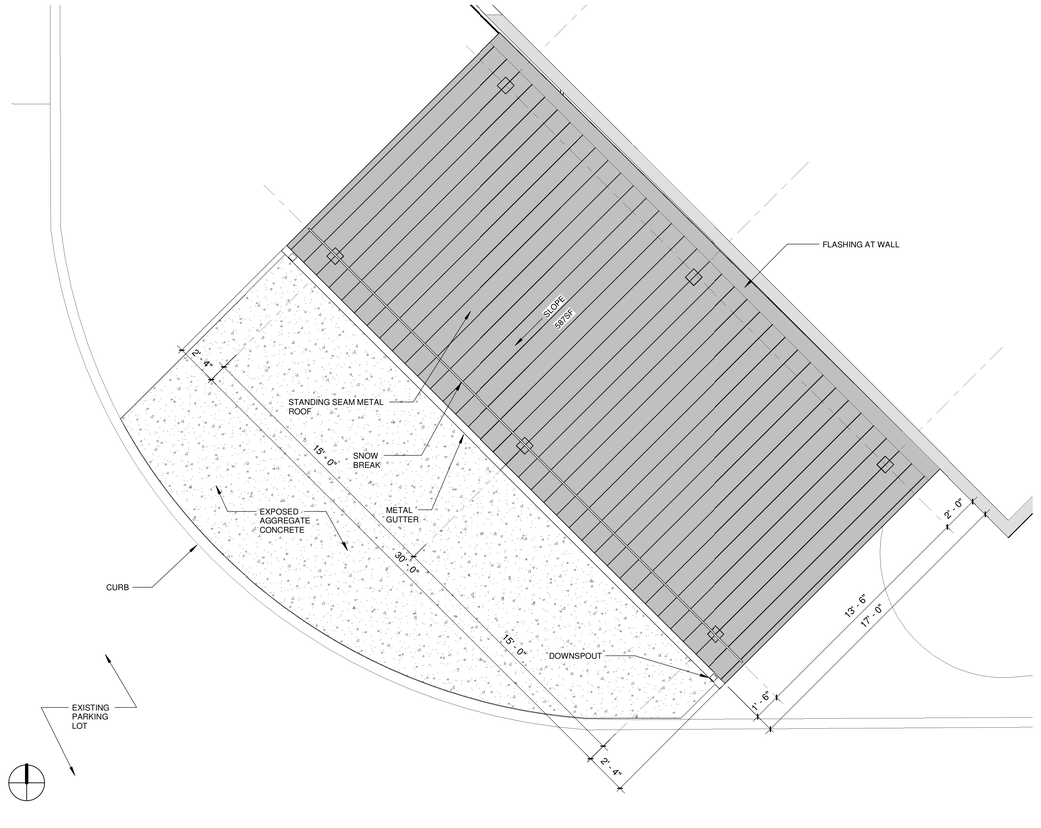
SHEET #

A101

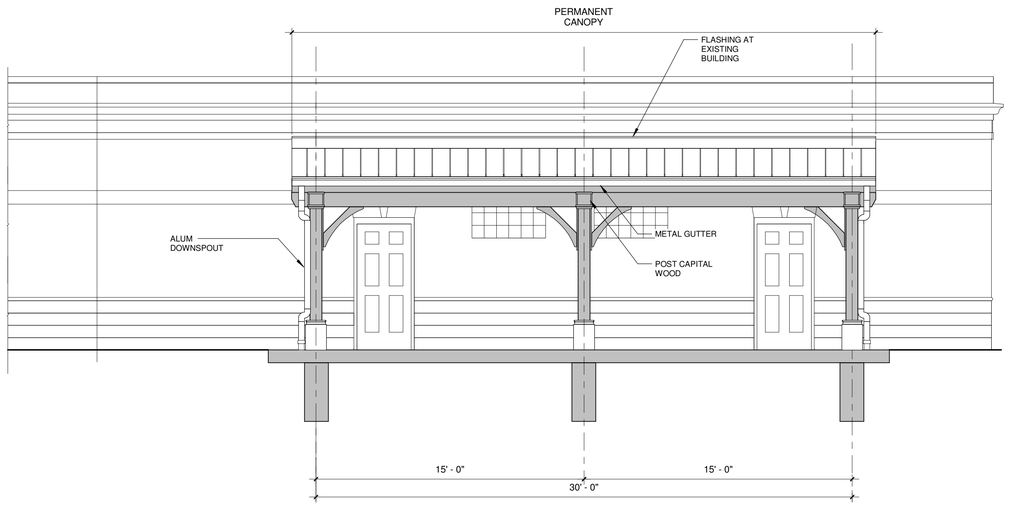
Attachment: SP-1994-18_B_drawings_032025 (29950 : SP-1994-18B, 1880 Eggert Road)



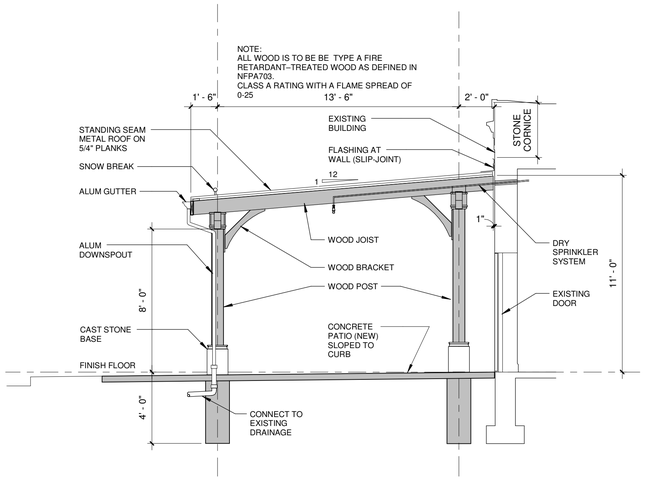
1 FLOOR PLAN
1/4" = 1'-0"



2 ROOF PLAN
1/4" = 1'-0"



3 CANOPY NORTH ELEVATION SHED
1/4" = 1'-0"



4 CANOPY EAST ELEVATION SHED
1/4" = 1'-0"

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MICHAEL
TRIGILIO
ARCHITECT

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0 2" 4" 8"
0 2"
1/4" = 1'-0"

NOT FOR CONSTRUCTION

EGGERTSVILLE FIRE DISTRICT

PERMANENT CANOPY PROJECT 5

1880 EGGERT RD.
EGGERTSVILLE, NEW YORK 14226

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NO.	DESCRIPTION	DATE
0	ISSUED FOR SITE PLAN APPLICATION	01/21/2025

Issued Schedule

PROJECT NO:	24-103-02
DRAWN BY:	AUTHOR
CHECKED BY:	CHECKER
SCALE:	1/4" = 1'-0"

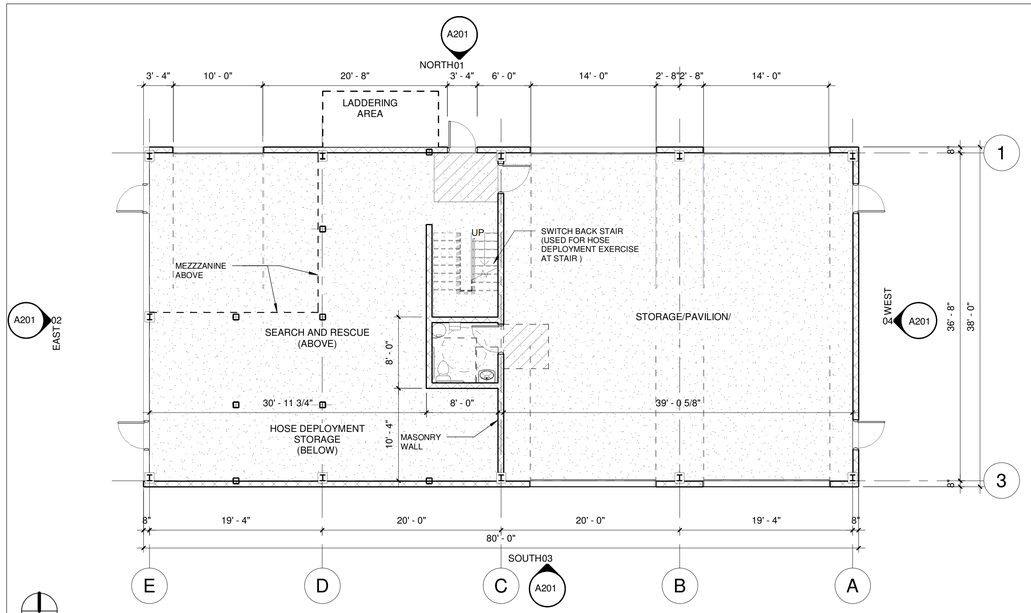
SHEET TITLE

PLANS / ELEVATIONS

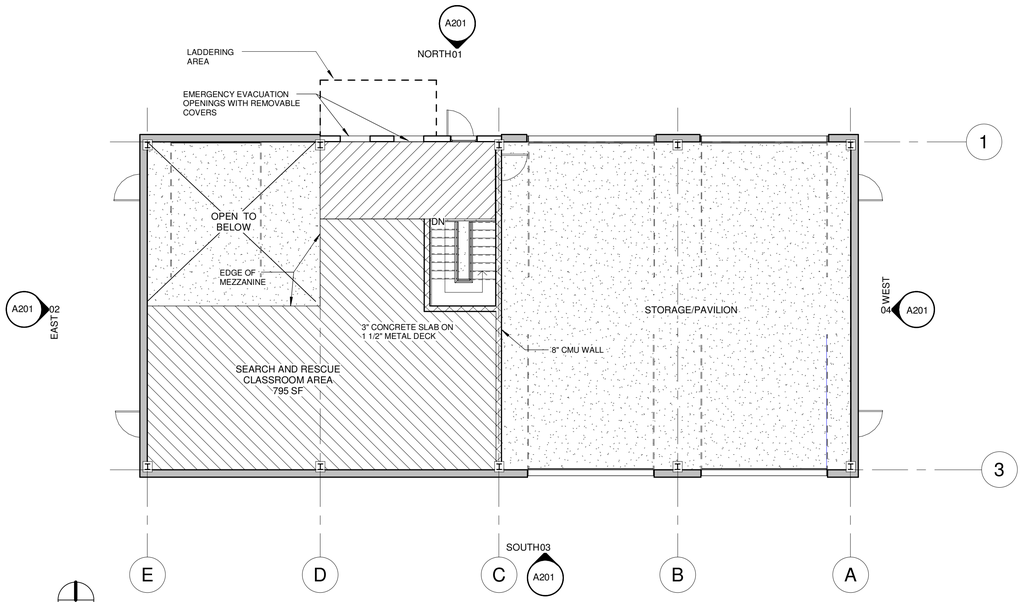
SHEET #

A101

Attachment: SP-1994-18_B_drawings_032025 (29950 : SP-1994-18B, 1880 Eggert Road)



1 1ST FLOOR
1/8" = 1'-0"



2 MEZZANINE LEVEL
1/8" = 1'-0"

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0 4' 8' 16'
0 2'
1/8" = 1'-0"

NOT FOR CONSTRUCTION

EGGERTSVILLE FIRE DISTRICT

STORAGE / CLASSROOM BUILDING PROJECT 4

1880 EGGERT RD.
EGGERTSVILLE, NEW YORK 14226

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NO.	DESCRIPTION	DATE
0	ISSUED FOR SITE PLAN APPLICATION	01/21/2025

Issued Schedule

PROJECT NO:	24-103-04
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SCALE:	1/8" = 1'-0"

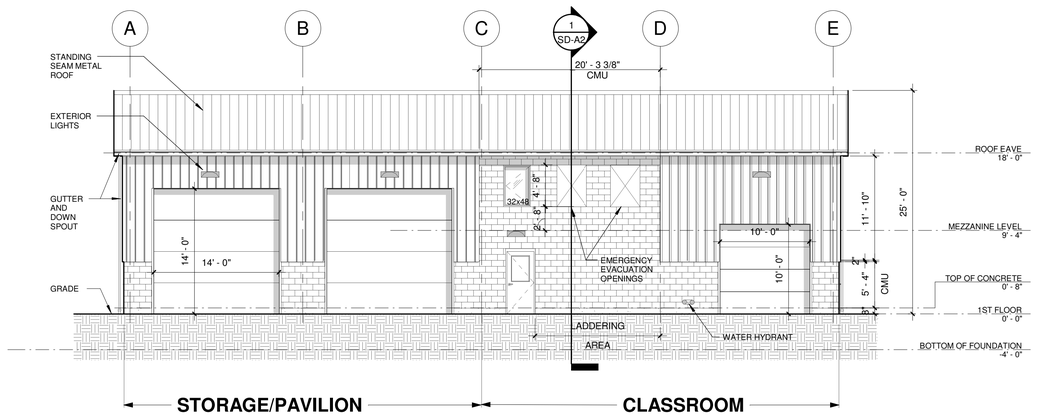
SHEET TITLE

FLOOR PLANS

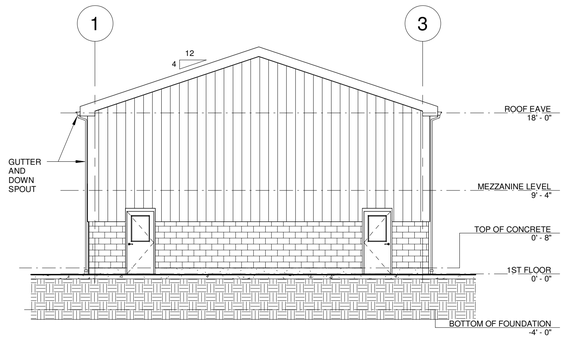
SHEET #

A101

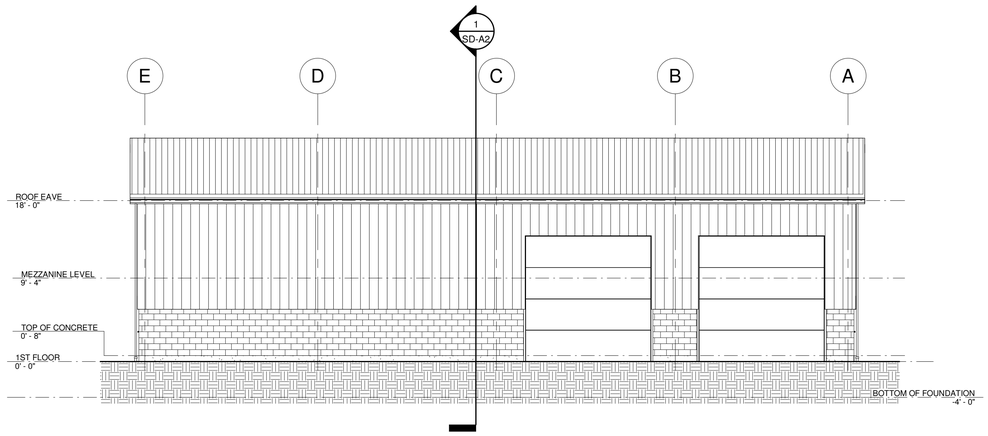
Attachment: SP-1994-18_B_drawings_032025 (29950 : SP-1994-18B, 1880 Eggert Road)



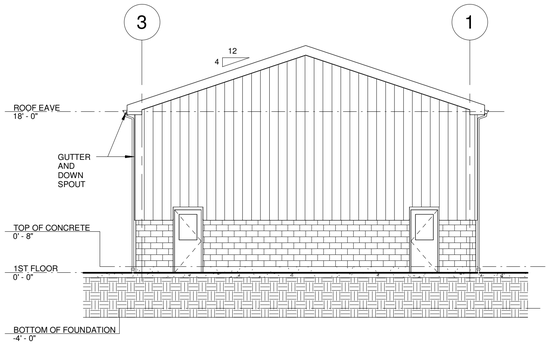
01 NORTH ELEVATION
1/8" = 1'-0"



02 EAST ELEVATION
1/8" = 1'-0"



03 SOUTH ELEVATION
1/8" = 1'-0"



04 WEST ELEVATION
1/8" = 1'-0"

FOR TOWN USE:

RONALD MICHAEL TRIGILIO
ARCHITECT

NOTE: UNAUTHORIZED ALTERATION OR ADDITION TO THIS DOCUMENT IS A VIOLATION OF SECTION 7209, PROVISION 2 OF THE NEW YORK STATE EDUCATION LAW

0 4' 8' 16'
0 2'
1/8" = 1'-0"

NOT FOR CONSTRUCTION

EGGERTSVILLE FIRE DISTRICT
STORAGE / CLASSROOM BUILDING PROJECT 4
1880 EGGERT RD.
EGGERTSVILLE, NEW YORK 14226

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NO.	DESCRIPTION	DATE
0	ISSUED FOR SITE PLAN APPLICATION	01/21/2025

Issued Schedule

PROJECT NO:	24-103-04
DRAWN BY:	RMT
CHECKED BY:	-
SCALE:	1/8" = 1'-0"

SHEET TITLE

ELEVATIONS

SHEET #

A201

Attachment: SP-1994-18_B_drawings_032025 (29950 : SP-1994-18B, 1880 Eggert Road)

NOTES

1. FOR REFERENCE INFORMATION SEE TOPOGRAPHIC SURVEY PREPARED BY FRANDINA ENGINEERING & SURVEYING DATED FEBRUARY 7, 2024 AND IDENTIFIED AS JOB NO. 4954, INCLUDED WITH THIS SET OF SITE PLANS.
2. ALL CONSTRUCTION SHALL CONFORM TO TOWN OF AMHERST STANDARDS AND NEW YORK STATE CODE REQUIREMENTS, AS WELL AS THE LATEST A.I.S.C., A.C.I., AND A.S.T.M. STANDARDS. WHERE CODES OVERLAP, THE CONTRACTOR SHALL COMPLY WITH THE MORE STRINGENT CODE.
3. WHERE A SPECIFIC MANUFACTURER'S PRODUCT IS CALLED OUT ON THIS SHEET OR ANY OTHER PLAN IN THIS SET OF DRAWINGS, THE CONTRACTOR MUST COMPLY WITH THE MANUFACTURER'S LATEST PRINTED INSTRUCTIONS AND RECOMMENDATIONS FOR INSTALLATION.
4. ANY TEMPORARY TRAFFIC CONTROL AND WARNING SIGNS SHALL CONFORM TO N.Y.S.D.O.T. MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.
5. THE CONTRACTOR SHALL MAINTAIN ACCESSIBLE PASSAGEWAYS FOR TRAFFIC AND PEDESTRIANS TO ADJACENT EXISTING RESIDENCES AND BUSINESSES WHICH WILL REMAIN IN OPERATION THROUGHOUT THE DURATION OF THE CONSTRUCTION.
6. ANY CAST–IN–PLACE CONCRETE SHALL CONFORM TO N.Y.S.D.O.T. STANDARD SPECIFICATIONS (SECTION 501). USE CLASS "C" FOR APRONS OR STRUCTURAL SLABS. USE CLASS "D" FOR SIDEWALKS AND ALL OTHER GENERAL PURPOSE CONCRETE PAVEMENT ON SITE. CEMENT USED TO PRODUCE CONCRETE SHALL CONFORM WITH BOTH ACI 318 AND ASTM C1157. CONCRETE SHALL HAVE A SLUMP OF NO MORE THAN 5" AND AN AIR ENTRAINMENT OF 4–6%.
7. ALL NEW CONCRETE CURBS, SIDEWALKS, APRONS, AND PADS SHALL BE CURED USING A CURING COMPOUND CONFORMING TO A.S.T.M. C309.
8. EXISTING ASPHALT PAVEMENT TO REMAIN SHALL BE RESEALED WITH AN ASPHALT–BASED EMULSION NOT CONTAINING COAL–TAR (RT–12), BEFORE RE–STRIPING.
9. ANY DEVIATION FROM ANY PLANS IN THIS DRAWING SET SHALL REQUIRE APPROVAL OF THE DESIGN ENGINEER (STUDIO T3) AND THE TOWN OF AMHERST PLANNING AND BUILDING DEPARTMENTS, AS WELL AS THE APPROPRIATE UTILITY COMPANIES AND SERVICE PROVIDERS. ANY AND ALL CHANGES MADE WITHOUT NOTIFICATION OR APPROVAL OF THE DESIGN ENGINEER (STUDIO T3) SHALL BE CONSIDERED UNAUTHORIZED AND THE DESIGN ENGINEER (STUDIO T3) SHALL NOT BE LIABLE FOR ANY DAMAGES, DELAYS, ADDITIONAL COSTS INCURRED, OR ANY OTHER CONSEQUENCES ARISING FROM SUCH CHANGES.
10. THE DESIGN ENGINEER (STUDIO T3) SHALL BE IMMEDIATELY CONTACTED UPON DISCOVERY OF ANY ABOVEGROUND OR BELOW GROUND OBJECTS NOT SHOWN ON THE BACKGROUND SURVEY THAT ARE UNCOVERED DURING EXCAVATION OR CONSTRUCTION (BUILDING FOUNDATIONS, BURIED VAULTS, TREES, SIDEWALKS, PAVEMENT, RAILINGS, SIGNS, STOCKPILES, STUMPS, OR SIMILAR) WHICH WILL INTERFERE OR CONFLICT WITH ANY PROPOSED WORK SHOWN ON THESE PLANS. WORK SHALL BE IMMEDIATELY SUSPENDED AND NOT COMMENCE UNTIL SUCH DISCOVERED OBJECTS ARE IDENTIFIED AND THE DESIGN ENGINEER (STUDIO T3) ISSUES EITHER A WRITTEN APPROVAL OR A SIGNED REVISED PLAN. AN UNDERGROUND UTILITY SURVEY MAY BE DONE PRIOR TO EXCAVATION AND CONSTRUCTION IN ORDER TO ELIMINATE DELAYS RESULTING FROM INTERFERENCE WITH UN–DOCUMENTED OR UN–LOCATED BURIED UTILITIES ENCOUNTERED
11. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TEMPORARY SHORING AND UNDERPINNING EXPOSED FOUNDATIONS ADJACENT TO EXCAVATIONS. THE STRUCTURAL ENGINEER SHALL BE CONTACTED FOR ASSOCIATED DETAILS.
12. ANY DAMAGED PROPERTY WITHIN THE PROJECT SITE OR ADJACENT PROJECT SITES SHALL BE RESTORED IN KIND.
13. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PAYING ALL NECESSARY FEES AND OBTAINING ALL NECESSARY PERMITS PRIOR TO THE START OF CONSTRUCTION. CONTACT TOWN OF AMHERST BUILDING DEPARTMENT (716) 631–7080 FOR INSTRUCTIONS, PERMIT APPLICATIONS, AND FEES.
14. ALL CONTRACTORS AND SUBCONTRACTORS SHALL BE INSURED AND LICENSED IN THE STATE OF NEW YORK, THE COUNTY OF ERIE, AND THE TOWN OF AMHERST.

CODE & SITE DATA

TOTAL PARCEL = 3.69 ACRES
SITE DISTURBANCE AREA = 0.25 ACRES
ZONED: CF (COMMUNITY FACILITIES)

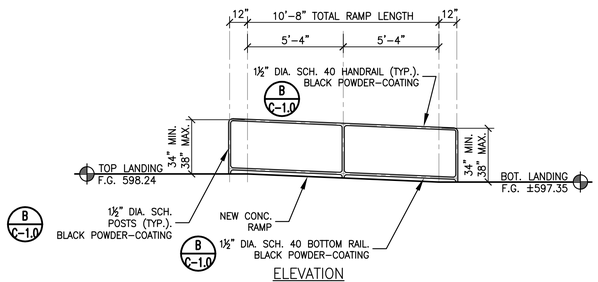
BUILDING SETBACK	REQUIRED	PROVIDED
FRONT	20'–0"	75'–1"
SIDE	30'–0"	48'–3"
REAR	30'–0"	62'–4"

PARKING	REQUIRED	PROVIDED
EXISTING	68 SPACES	82 SPACES
PROPOSED	68 SPACES	81 SPACES
HANDICAP	3 SPACES	4 SPACES

EXIST. BLDG. FOOTPRINT = ±20,377 SQ. FT. (GROSS)
NEW BLDG. FOOTPRINT = 4,267 SQ. FT. (GROSS)
TOTAL BLDG. FOOTPRINT = ±24,644 SQ. FT. (GROSS)

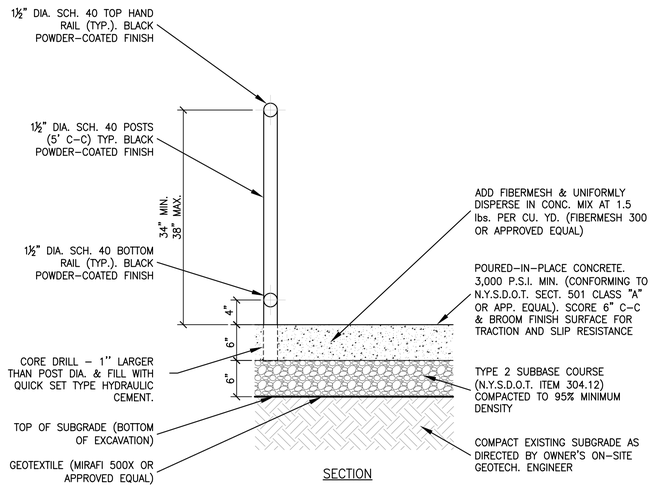
LEGEND

- EXISTING SIGN
- NEW SIGN
- EXISTING FENCE
- NEW FENCE
- EXISTING EDGE OF PAVEMENT
- NEW EDGE OF PAVEMENT
- EXISTING CURB
- NEW CURB (6")
- SITE PARCEL PROPERTY/R.O.W. LINE
- ADJACENT PROPERTY/R.O.W. LINES
- EXISTING UTILITY POLE
- EXISTING FIRE HYDRANT
- EXISTING FLOOD/UP–LIGHT
- EXISTING LIGHT FIXTURE
- EXISTING PARKING SPACE COUNT
- EXISTING CONCRETE AREAS
- NEW CONCRETE AREAS
- NEW ASPHALT AREAS



RAMP HAND RAIL DETAIL (A)

SCALE : 1/4" = 1'–0"
REFER TO CABO/ANSI A117.1 – LATEST EDITION

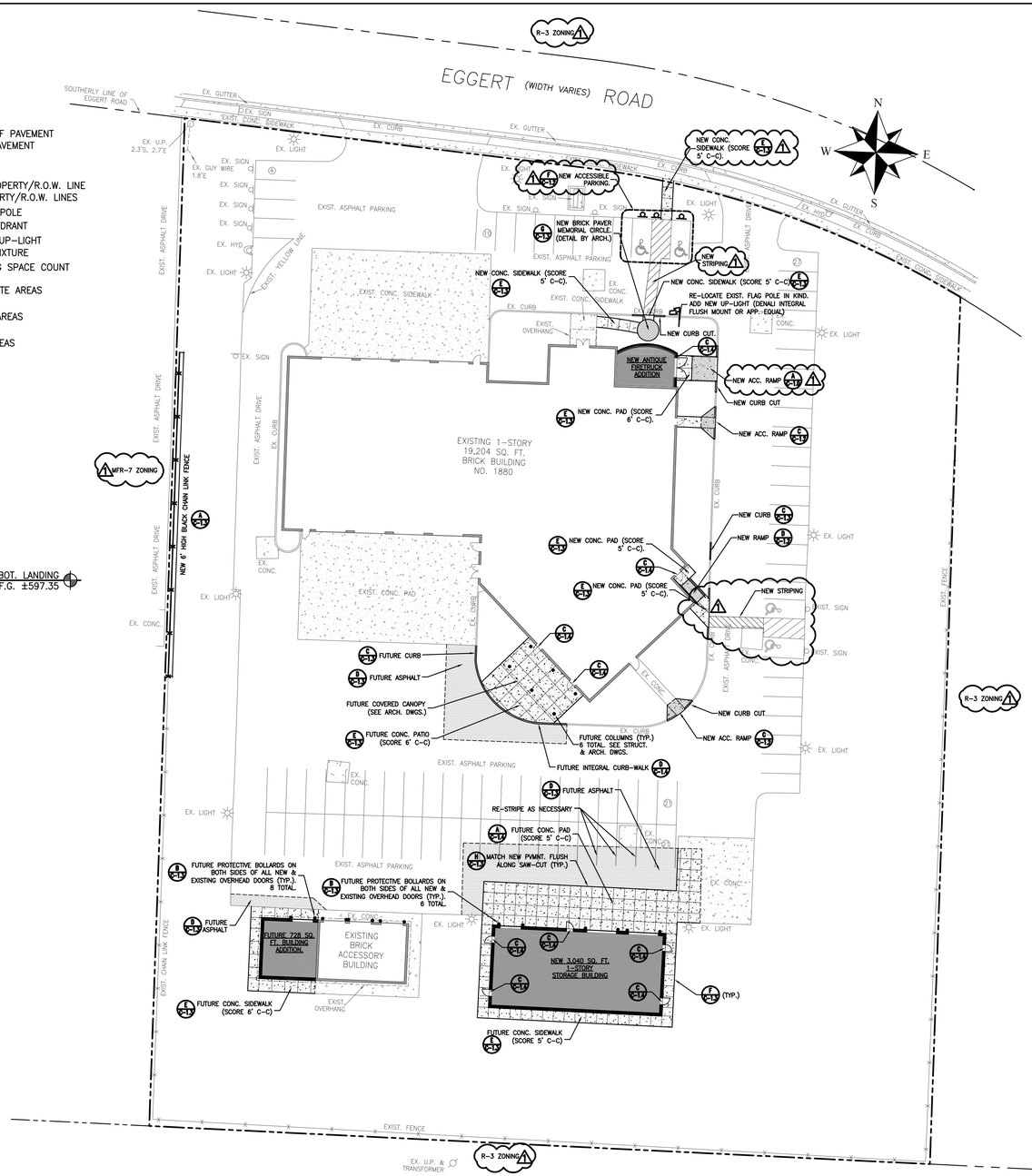


ACCESSIBLE RAMP SECTION (B)

SCALE : 1" = 1'–0"

NOTES

1. ALL CONCRETE AREAS SHALL BE SCORED 5' ON CENTER BY SAW–CUTTING 1" MINIMUM DEPTH.
2. EXPANSION JOINTS IN CONCRETE AREAS SHALL BE NO MORE THAN 25' ON CENTER AND AT INTERFACES BETWEEN DRIVEWAYS, SIDEWALKS, SLABS, AND FOUNDATIONS.
3. ALL SIDEWALK EDGES SHALL BE TOOLED AND SHALL HAVE A 1/4–INCH EDGE RADIUS.
4. INSTALL 1/2–INCH PRE–MOLDED RESILIENT JOINT FILLER AT ALL EXPANSION JOINTS AND AT INTERFACE BETWEEN SIDEWALK AND BUILDING WALLS.
5. CONCRETE SHALL HAVE A SLUMP OF NO MORE THAN 5" AND AN AIR ENTRAINMENT OF 4%–6%. THE USE OF CALCIUM CHLORIDE IS NOT PERMITTED.
6. PROVIDE PROPER CONCRETE PROTECTION IN COLD WEATHER AND MAINTAIN PROPER CURING PROCEDURES IN CONFORMANCE WITH ALL A.C.I. REQUIREMENTS.



SITE LAYOUT PLAN

SCALE : 1"= 30'–0"
0 30 60 120

FOR OFFICIAL TOWN OF AMHERST USE

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EGGERTSVILLE HOSE COMPANY
EXTERIOR SITE IMPROVEMENTS
1880 EGGERT ROAD, AMHERST, NY 14226

STAMP/SEAL

1	REV. PER SITE PLAN REVIEW	5/28/25
2	ISSUED FOR SITE PLAN REV.	1/21/25
3	ISSUED FOR CLIENT REVIEW	1/3/25

SITE LAYOUT & PHASE PLAN

studio T3 Engineering, PLLC
2495 Main Street, Suite 301
Buffalo, New York 14214
Phone: (716) 803-6400
Fax: (716) 810-9504

DRAWN BY: AVT
CHECKED BY: RMT
JOB # 23–194A

SHEET C–1.0

WARNING: IT IS A VIOLATION OF SECTION 7209, SUBDIVISION 2, OF THE NEW YORK STATE EDUCATION LAW FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED ARCHITECT OR PROFESSIONAL ENGINEER, TO ALTER IN any WAY, PLANS, SPECIFICATIONS, OR REPORTS TO WHICH THE SEAL OF A LICENSED ARCHITECT OR PROFESSIONAL ENGINEER HAS BEEN APPLIED.

Attachment: SP-1994-18.B. drawings. 062625 (29950 : SP-1994-18B, 1880 Eggert Road)

NOTES

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8. EXISTING ASPHALT PAVEMENT TO REMAIN SHALL BE RESEALED WITH AN ASPHALT-BASED EMULSION NOT CONTAINING COAL-TAR (RT-12), BEFORE RE-STRIPING.
9. ANY DEVIATION FROM ANY PLANS IN THIS DRAWING SET SHALL REQUIRE APPROVAL OF THE DESIGN ENGINEER (STUDIO T3) AND THE TOWN OF AMHERST PLANNING AND BUILDING DEPARTMENTS, AS WELL AS THE APPROPRIATE UTILITY COMPANIES AND SERVICE PROVIDERS. ANY AND ALL CHANGES MADE WITHOUT NOTIFICATION OR APPROVAL OF THE DESIGN ENGINEER (STUDIO T3) SHALL BE CONSIDERED UNAUTHORIZED AND THE DESIGN ENGINEER (STUDIO T3) SHALL NOT BE LIABLE FOR ANY DAMAGES, DELAYS, ADDITIONAL COSTS INCURRED, OR ANY OTHER CONSEQUENCES ARISING FROM SUCH CHANGES.
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CODE & SITE DATA

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SITE DISTURBANCE AREA = 0.25 ACRES
ZONED: CF (COMMUNITY FACILITIES)

BUILDING SETBACK	REQUIRED	PROVIDED
FRONT	20'-0"	75'-1"
SIDE	⚠1 30'-0"	48'-3"
REAR	30'-0"	62'-4"

PARKING	REQUIRED	PROVIDED
EXISTING	68 SPACES	82 SPACES
PROPOSED	68 SPACES	81 SPACES
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EXIST. BLDG. FOOTPRINT = ±20,377 SQ. FT. (GROSS)
NEW BLDG. FOOTPRINT = 4,267 SQ. FT. (GROSS)
TOTAL BLDG. FOOTPRINT = ±24,644 SQ. FT. (GROSS)

LEGEND

- EXISTING SIGN
- NEW SIGN
- EXISTING FENCE
- NEW FENCE
- EXISTING EDGE OF PAVEMENT
- NEW EDGE OF PAVEMENT
- EXISTING CURB
- NEW CURB (6")
- SITE PARCEL PROPERTY/R.O.W. LINE
- ADJACENT PROPERTY/R.O.W. LINES
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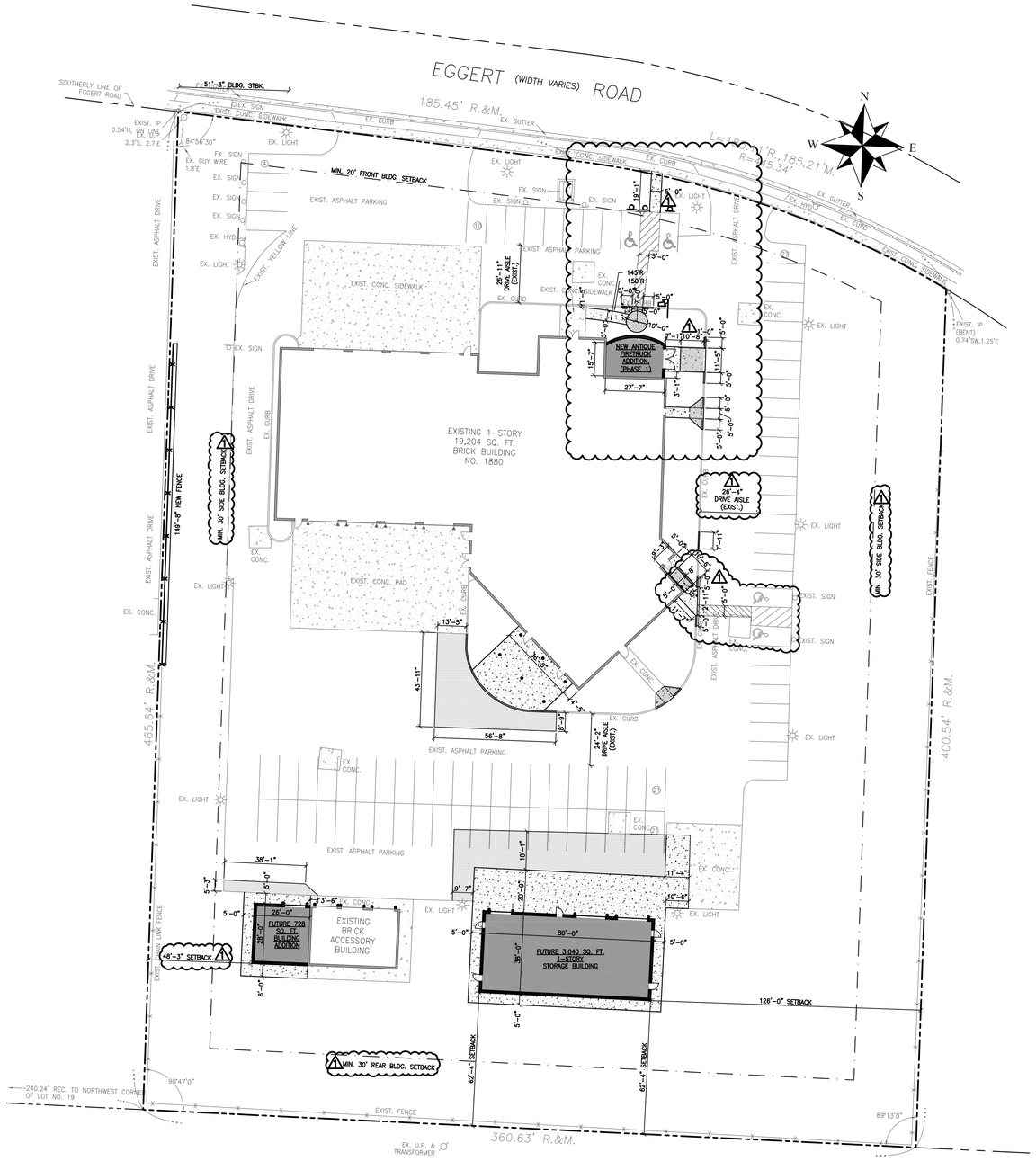
- EXISTING FIRE HYDRANT
- EXISTING FLOOD/UP-LIGHT
- EXISTING LIGHT FIXTURE
- EXISTING PARKING SPACE COUNT
- EXISTING CONCRETE AREAS
- NEW CONCRETE AREAS
- NEW ASPHALT AREAS



DIMENSIONAL SITE PLAN

SCALE : 1"= 30'-0"

0 30 60 120

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EGGERTSVILLE HOSE COMPANY
EXTERIOR SITE IMPROVEMENTS
1880 EGGERT ROAD, AMHERST, NY 14226

STAMP/SEAL

1	REV. PER SITE PLAN REVIEW	5/28/25
2	ISSUED FOR SITE PLAN REV.	1/21/25
3	ISSUED FOR CLIENT REVIEW	1/3/25

FOR OFFICIAL TOWN OF AMHERST USE

DIMENSIONAL SITE PLAN

studio T3
Engineering, PLLC
2495 Main Street, Suite 301
Buffalo, New York 14214
Phone: (716) 803-6400
Fax: (716) 810-9504

DRAWN BY: AVT
CHECKED BY: TS
JOB # 23-194A

SHEET C-1.1

Attachment: SP-1994-18_B_drawings_062625 (29950 : SP-1994-18B, 1880 Eggert Road)

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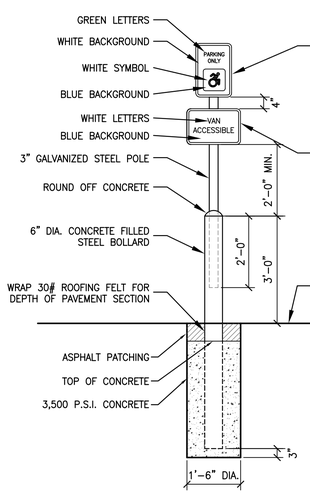


12" x 18", 18 GA. STEEL BAKED ENAMEL WITH N.Y.S. ACCESSIBILITY SYMBOL. SEE N.Y.S.D.O.T. MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES, SIGN #P4-6C (SECT. 221.8). BOLT TO STEEL POLE WITH 3/8" CADMIUM PLATED BOLTS, NUTS, AND WASHERS. 3/8" MARGIN & BORDER.
LINE 1 & 2 TEXT: 3"-C.

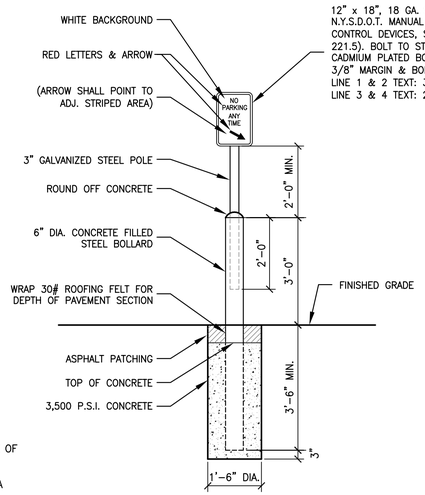
12" x 18", 18 GA. STEEL BAKED ENAMEL VAN ACCESSIBLE SIGN

EXPOSED STEEL SHALL BE FINISHED WITH ONE COAT OF RUST-INHIBITING PRIMER AND TWO COATS OF PAINT (COLOR BY OWNER)

ACCESSIBLE PARKING SECTION

NOTES:

1. SIGNS SHALL BE PLACE 2' MIN. OFFSET FROM EDGE OF PAVEMENT.
2. CHARACTERS AND SIGN BACKGROUNDS SHALL HAVE A MATTE OR OTHER NON-GLARE FINISH.

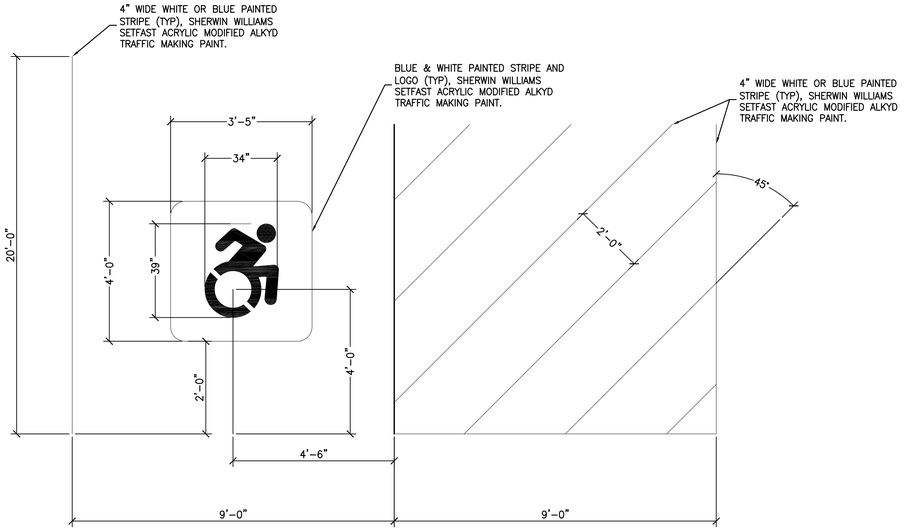


12" x 18", 18 GA. STEEL BAKED ENAMEL. SEE N.Y.S.D.O.T. MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES, SIGN #P1-1C (SECT. 221.5). BOLT TO STEEL POLE WITH 3/8" CADMIUM PLATED BOLTS, NUTS, AND WASHERS. 3/8" MARGIN & BORDER.
LINE 1 & 2 TEXT: 3"-C.
LINE 3 & 4 TEXT: 2"-C,

STRIPED AREA SECTION

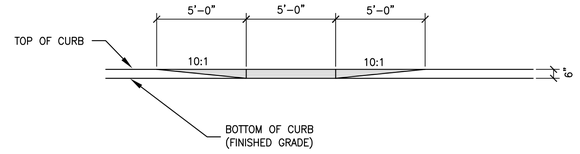
ACCESSIBLE PARKING SIGNS — A

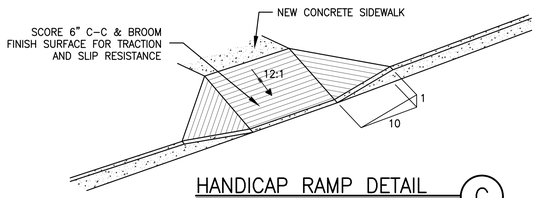
SCALE : 1/2" = 1'-0"
NOTE: REFER TO CABO/ANSI A117.1 – 1992 SEC. 4.28 FIG. B 4.28.8.1



ACCESSIBLE PARKING SYMBOL — B

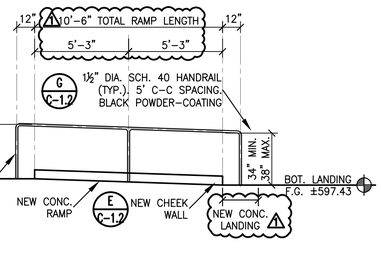
SCALE : 1/2" = 1'-0"
NOTE: REFER TO ICCI/ANSI A117.1





HANDICAP RAMP DETAIL — C

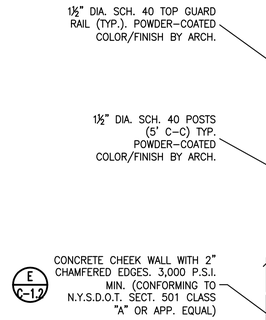
SCALE : 1/4" = 1'-0"
REFER TO CABO/ANSI A117.1 – 1992 SEC. 4.7



ELEVATION

RAMP HAND RAIL DETAIL — D

SCALE : 1/4" = 1'-0"
REFER TO CABO/ANSI A117.1 – LATEST EDITION



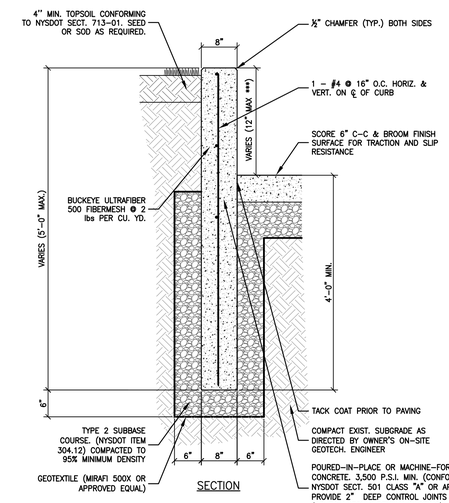
PARTIAL SECTION

RAMP HAND RAIL SECTION — G

SCALE : 1" = 1'-0"

NOTES

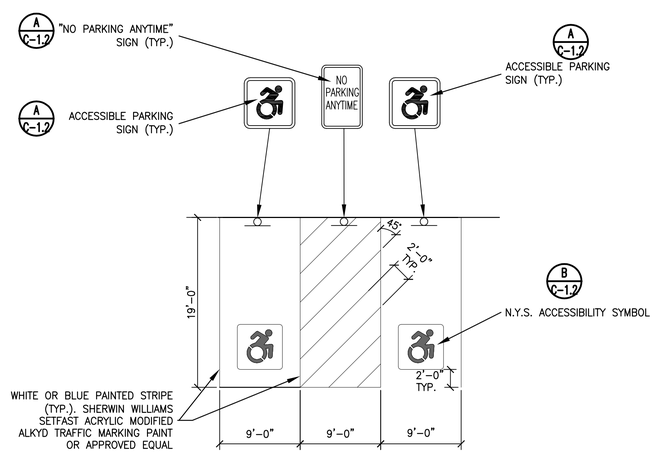
1. ALL CONCRETE AREAS SHALL BE SCORED 5' ON CENTER BY SAW-CUTTING 1" MINIMUM DEPTH.
2. EXPANSION JOINTS IN CONCRETE AREAS SHALL BE NO MORE THAN 25' ON CENTER AND AT INTERFACES BETWEEN WALLS, FOUNDATIONS, AND OTHER SLABS. INSTALL 1/2-INCH PRE-MOLDED RESILIENT JOINT FILLER AT ALL EXPANSION JOINTS.
3. CONCRETE SHALL HAVE A SLUMP OF NO MORE THAN 5" AND AN AIR ENTRAINMENT OF 4%-6%. THE USE OF CALCIUM CHLORIDE IS NOT PERMITTED.



SECTION

CHEEK WALL DETAIL — E

SCALE : 3/4" = 1'-0"



ACCESSIBLE PARKING STRIPING DETAIL — F

SCALE : 1/8" = 1'-0"

FOR OFFICIAL TOWN OF AMHERST USE

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EGGERTSVILLE HOSE COMPANY
EXTERIOR SITE IMPROVEMENTS
1880 EGGERT ROAD, AMHERST, NY 14226

STAMP/SEAL

1	REV. PER SITE PLAN REVIEW	5/28/25
2	ISSUED FOR SITE PLAN REV.	1/21/25
3	ISSUED FOR CLIENT REVIEW	1/3/25

ACCESSIBILITY DETAILS

studio T3
Engineering, PLLC
2495 Main Street, Suite 301
Buffalo, New York 14214
Phone: (716) 803-6400
Fax: (716) 810-9504

DRAWN BY: AVT
CHECKED BY: TS
JOB # 23-194A

SHEET C-1.2

Attachment: SP-1994-18, B_drawings, 062625 (29950 : SP-1994-18B, 1880 Eggert Road)

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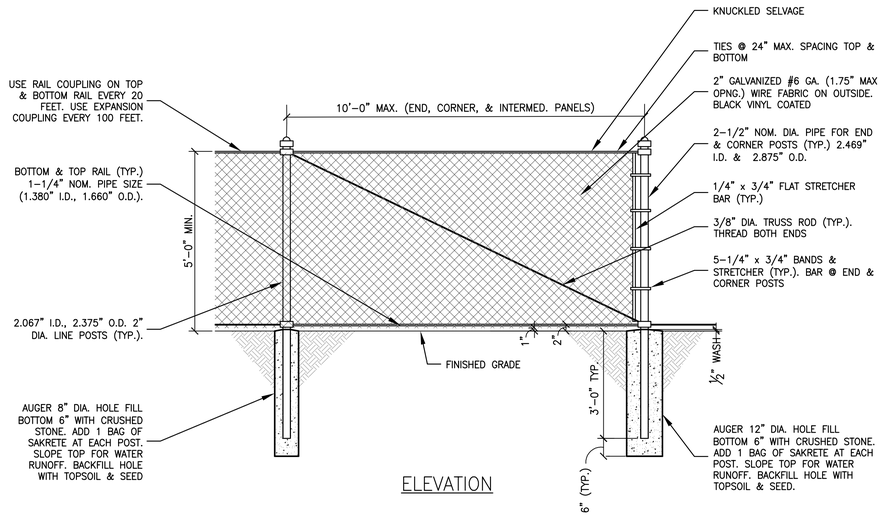
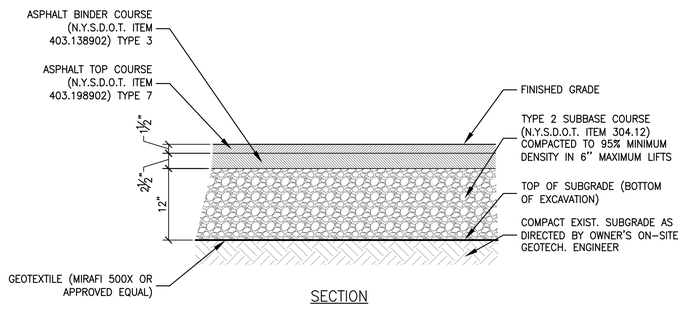
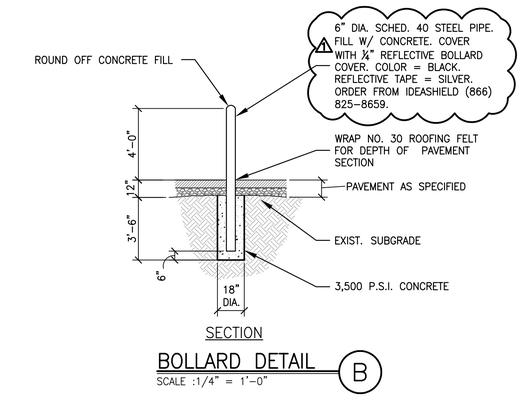


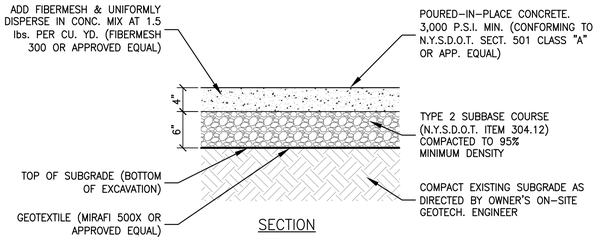
CHAIN LINK FENCE DETAIL A
SCALE : 1/2" = 1'-0"



HEAVY-DUTY ASPHALT PAVEMENT DETAIL D
SCALE : 1" = 1'-0"



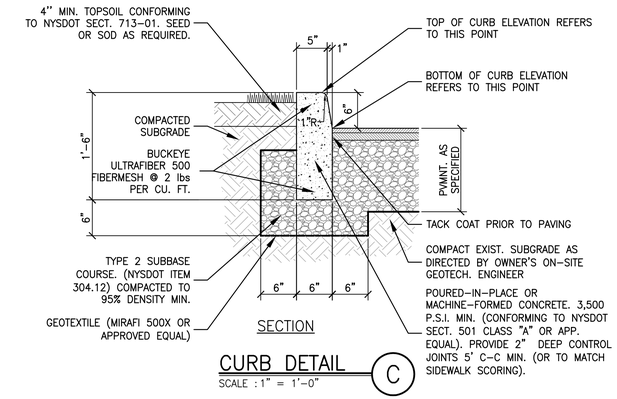
BOLLARD DETAIL B
SCALE :1/4" = 1'-0"



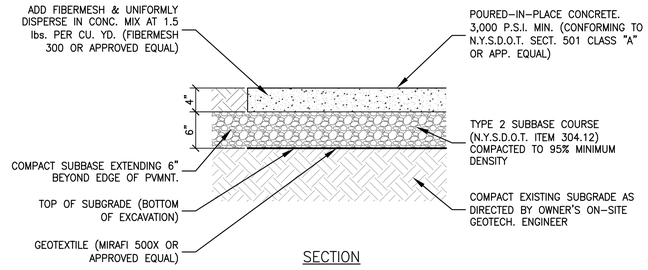
SIDEWALK / CONCRETE PAD DETAIL E
SCALE : 1" = 1'-0"

NOTES:

1. ALL CONCRETE FOR SIDEWALKS SHALL CONFORM TO N.Y.S.D.O.T. STANDARD SPECIFICATION 501. CONSTRUCTION SHALL CONFORM TO N.Y.S.D.O.T. STANDARD SPECIFICATION 608-3.
2. ALL CONCRETE AREAS SHALL BE SCORED 5' ON CENTER (OR AS NOTED ON SHEET C-1.1) WITH SAW-CUT CONTROL JOINTS 1-½ INCHES DEEP. ALL SCORED JOINTS SHALL BE SAW-CUT WITHIN 24 HOURS OF POURING CONCRETE
3. EXPANSION JOINTS IN CONCRETE AREAS SHALL BE NO MORE THAN 25' ON CENTER AND AT INTERFACES BETWEEN DRIVEWAYS, SIDEWALKS, SLABS, AND FOUNDATIONS. ALL SIDEWALK EDGES SHALL BE TOOLED WITH A ¼-INCH EDGE RADIUS WITHIN 24 HOURS OF POURING CONCRETE. INSTALL FELT BOARD EXPANSION JOINT. SCORE FELT AND REMOVE TO DEPTH OF ½" BELOW SLAB. PROVIDE SEAL WITH ½" INCH PRE-MOLDED RESILIENT JOINT FILLER AT ALL EXPANSION JOINTS.
4. PROVIDE DOWELS @ 12" C-C INTO FOUNDATION WHERE SIDEWALK ABUTS BUILDING WALLS AT DOOR ENTRANCES ONLY TO PREVENT FROST HEAVING. AT OTHER AREAS WHERE SIDEWALK ABUTS BUILDING WALLS PROVIDE ½" PRE-MOLDED EXPANSION JOINT WITH BACKER ROD AND SEALANT.
5. IN DRIVEWAY AREAS CONCRETE THICKNESS SHALL BE INCREASED TO 6 INCHES MINIMUM. IN DRIVEWAY AREAS CONCRETE SUBBASE SHALL BE INCREASED TO 9 INCHES MINIMUM OR TO THE DEPTH OF THE ADJACENT ASPHALT SUBBASE.
6. CONCRETE SHALL HAVE A SLUMP OF NO MORE THAN 5" AND AN AIR ENTRAINMENT OF 4-6%. THE USE OF CALCIUM CHLORIDE IS NOT PERMITTED. PROVIDE PROPER CONCRETE PROTECTION IN COLD WEATHER AND MAINTAIN PROPER CURING PROCEDURES IN CONFORMANCE WITH ALL A.C.I. REQUIREMENTS.



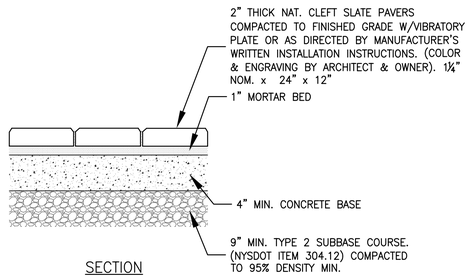
CURB DETAIL C
SCALE : 1" = 1'-0"



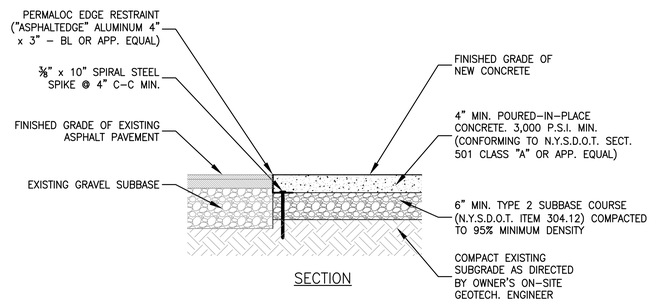
CONCRETE EDGE DETAIL F
SCALE : 1" = 1'-0"

NOTES:

1. ALL CONCRETE FOR SIDEWALKS SHALL CONFORM TO N.Y.S.D.O.T. STANDARD SPECIFICATION 501. CONSTRUCTION SHALL CONFORM TO N.Y.S.D.O.T. STANDARD SPECIFICATION 608-3 WITH A SLUMP OF NO MORE THAN 5" AND AN AIR ENTRAINMENT OF 4-6%.
2. ALL CONCRETE AREAS SHALL BE SCORED 5' ON CENTER (OR AS NOTED ON DRIVEWAY PLANS) AND SHALL BE SAW-CUT WITHIN 24 HOURS OF POURING CONCRETE
3. EXPANSION JOINTS IN CONCRETE AREAS SHALL BE NO MORE THAN 25' ON CENTER AND AT INTERFACES BETWEEN DRIVEWAYS, SIDEWALKS, SLABS, AND FOUNDATIONS. ALL SIDEWALK EDGES SHALL BE TOOLED AND SHALL HAVE A ¼-INCH EDGE RADIUS SAW-CUT WITHIN 24 HOURS OF POURING CONCRETE. INSTALL FELT BOARD EXPANSION JOINT. SCORE FELT AND REMOVE TO DEPTH OF ½" BELOW SLAB. PROVIDE SEAL WITH ½" INCH PRE-MOLDED RESILIENT JOINT FILLER AT ALL EXPANSION JOINTS.



STONE PAVER DETAIL G
SCALE : 1-1/2" = 1'-0"



ASPHALT / CONCRETE INTERFACE H
SCALE :3/4" = 1'-0"

NOTES:

1. INSTALL PER MANUFACTURER'S INSTALLATION GUIDELINES.
2. CONNECT 8'-0" SECTIONS WITH 4" SLIDING CONNECTERS.
3. NOTCH BASE OF EDGE RESTRAINT ONLY AND FORM A CONTINUOUS CORNER.
4. ORDER FROM PERMALOC ALUMINUM EDGING, (800) 356-9660 OR WWW.PERMALOC.COM

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EGGERTSVILLE HOSE COMPANY
EXTERIOR SITE IMPROVEMENTS
EGGERT ROAD, AMHERST, NY 14226
1880

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CHECKED BY: TS
JOB # 23-194A

SHEET C-1.3

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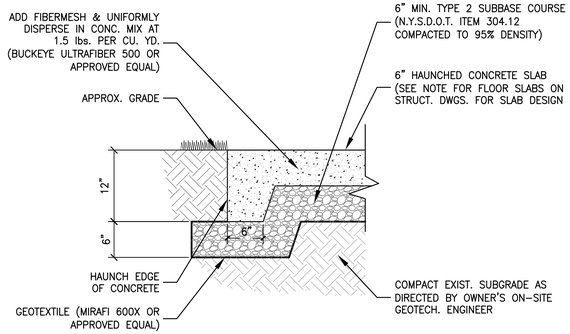
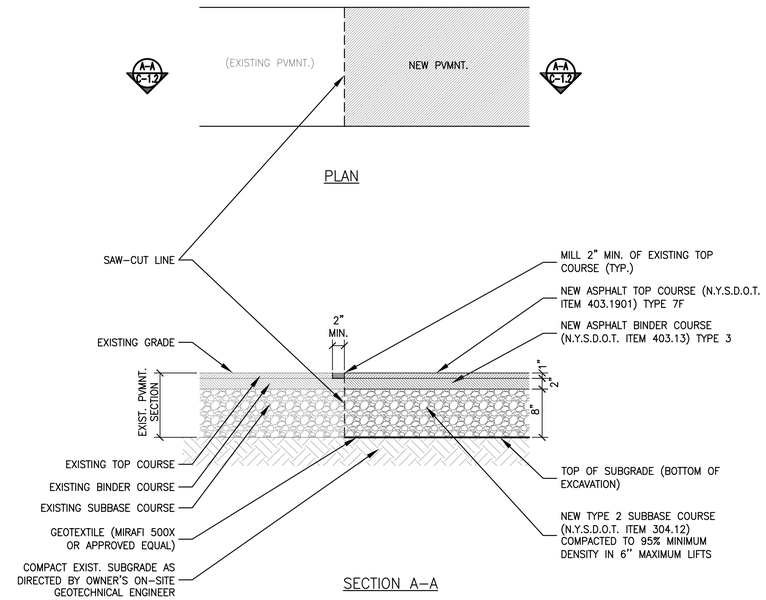


CONCRETE PAD SECTION (A)

SCALE : 1" = 1'-0"

NOTES

1. ALL CONCRETE AREAS SHALL BE SCORED 5' ON CENTER (OR AS SHOWN ON SITE LAYOUT PLAN) BY SAW-CUTTING CONTROL JOINTS 1-1/2 INCHES DEEP. SEAL ALL JOINTS WITH ASPHALT CEMENT (N.Y.S.D.O.T. SPECIFICATION 702-0700.
2. EXPANSION JOINTS IN CONCRETE AREAS SHALL BE NO MORE THAN 25' ON CENTER AND AT INTERFACES BETWEEN DRIVEWAYS, SIDEWALKS, SLABS, AND FOUNDATIONS.ALL SIDEWALK EDGES SHALL BE TOOLED AND SHALL HAVE A 1/4-INCH EDGE RADIUS.
3. INSTALL 1/2-INCH PRE-MOLDED RESILIENT JOINT FILLER AT ALL EXPANSION JOINTS AND AT INTERFACE BETWEEN SIDEWALK AND BUILDING WALLS.
4. CONCRETE SHALL HAVE A SLUMP OF NO MORE THAN 5" AND AN AIR ENTRAINMENT OF 4-6%. THE USE OF CALCIUM CHLORIDE IS NOT PERMITTED. PROVIDE PROPER CONCRETE PROTECTION IN COLD WEATHER AND MAINTAIN PROPER CURING PROCEDURES IN CONFORMANCE WITH ALL A.C.I. REQUIREMENTS.

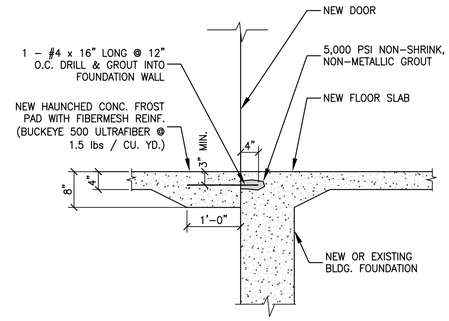


SECTION A-A

PAVEMENT TRANSITION DETAIL (B)

SCALE : 1" = 1'-0"

NOTE: TACK COAT MILLED AND ALL OTHER SURFACES



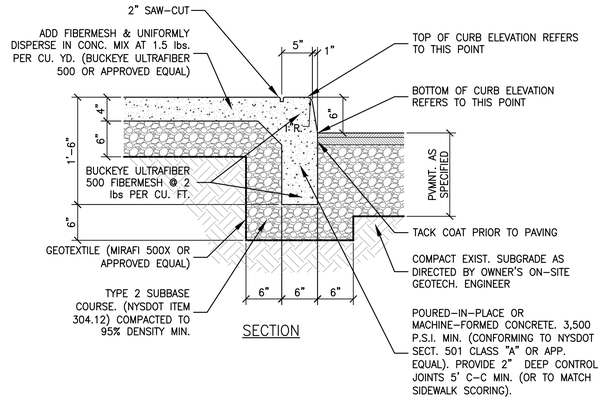
SECTION

SIDEWALK ABUTTING FOUNDATION AT DOORS (C)

SCALE 3/4" = 1'-0"

NOTES:

1. PROVIDE DOWELS @ 12" C-C INTO FOUNDATION WHERE SIDEWALK ABUTS AGAINST BUILDING WALL (AT DOOR ENTRANCES ONLY) TO PREVENT FROST HEAVING. AT OTHER AREAS WHERE SIDEWALK ABUTS AGAINST BUILDING WALL PROVIDE ½" PRE-MOLDED EXPANSION JOINT WITH BACKER ROD AND SEALANT.



SECTION

INTEGRAL CURB-WALK DETAIL (D)

SCALE : 1" = 1'-0"

NOTE:

1. PROVIDE DOWELS @ 12" C-C INTO FOUNDATION WHERE SIDEWALK ABUTS AGAINST BUILDING WALL (AT DOOR ENTRANCES ONLY) TO PREVENT FROST HEAVING. AT OTHER AREAS WHERE SIDEWALK ABUTS AGAINST BUILDING WALL PROVIDE ½" PRE-MOLDED EXPANSION JOINT WITH BACKER ROD AND SEALANT.
2. CONCRETE SHALL HAVE A SLUMP OF NO MORE THAN 5" AND AN AIR ENTRAINMENT OF 4-6%. THE USE OF CALCIUM CHLORIDE IS NOT PERMITTED. PROVIDE PROPER CONCRETE PROTECTION IN COLD WEATHER AND MAINTAIN PROPER CURING PROCEDURES IN CONFORMANCE WITH ALL A.C.I. REQUIREMENTS.

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1880 EGGERT ROAD, AMHERST, NY 14226

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SITE DETAILS

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2495 Main Street, Suite 301
Buffalo, New York 14214
Phone: (716) 803-6400
Fax: (716) 810-9504

DRAWN BY: AVT
CHECKED BY: TS
JOB # 23-194A

SHEET C-1.4

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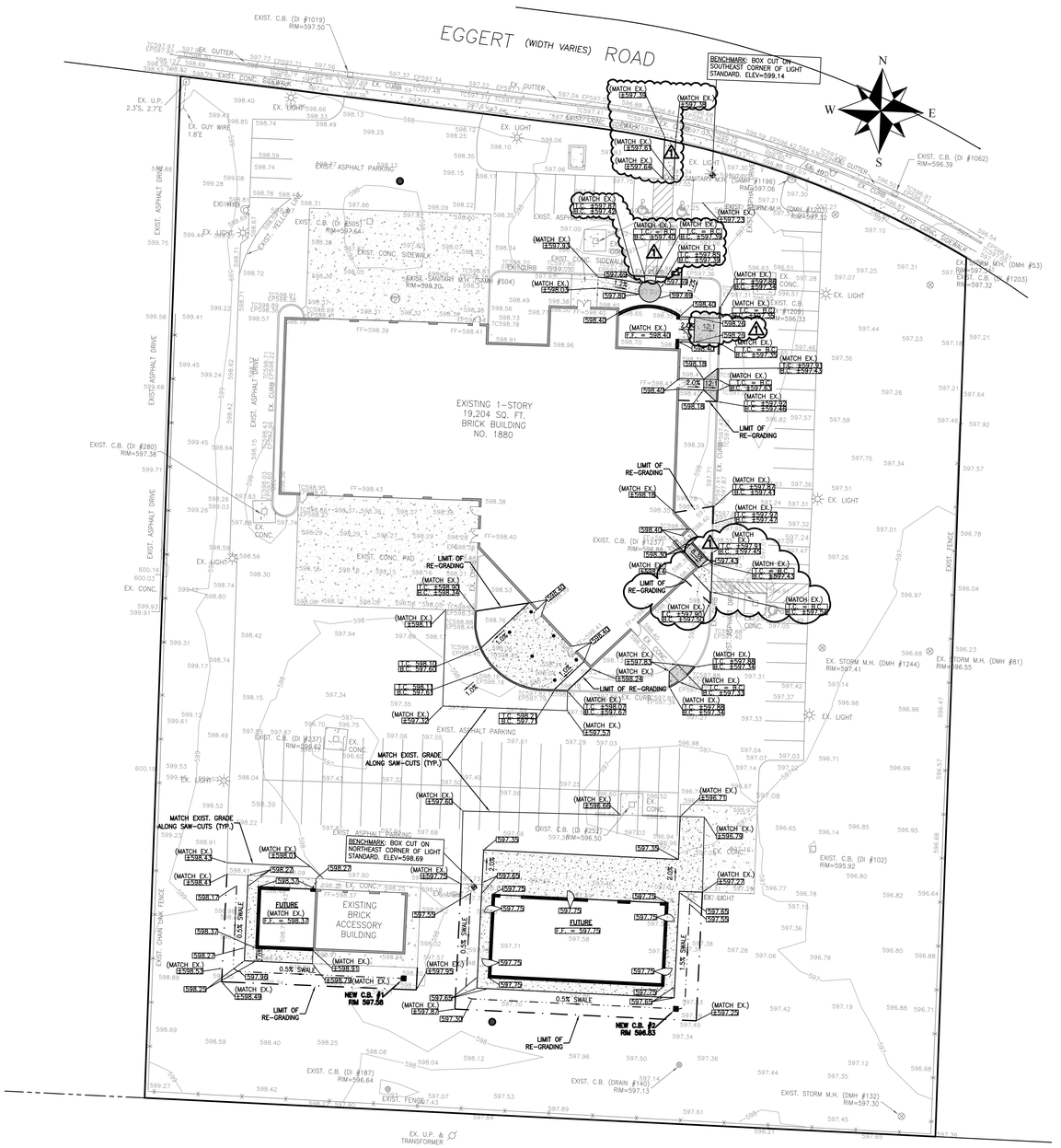
Attachment: SP-1994-18_B_drawings_062625 (29950 : SP-1994-18B, 1880 Eggert Road)

NOTES

1. FOR REFERENCE INFORMATION SEE TOPOGRAPHIC SURVEY PREPARED BY FRANDINA ENGINEERING & SURVEYING DATED FEBRUARY 7, 2024 AND IDENTIFIED AS JOB NO. 4954, INCLUDED WITH THIS SET OF SITE PLANS.
2. THE CONTRACTOR SHALL FIELD VERIFY ALL UNDERGROUND UTILITY LOCATIONS AND DEPTHS PRIOR TO THE START OF EXCAVATION AND CONSTRUCTION.
3. ALL SOIL FILL AREAS SHALL BE PLACED IN 8" MAXIMUM LIFTS. FILL SHALL NOT BE PLACED ON FROZEN SOIL.
4. ALL FILL AREAS BENEATH PAVED AREAS SHALL BE COMPACTED TO A MINIMUM 95% DENSITY IN 6" MAXIMUM LIFTS AS DETERMINED PER ASTM D 1557.
5. THE MINIMUM REQUIRED DENSITY FOR FILL BENEATH ALL DETENTION BASIN AREAS SHALL BE AT LEAST 92% OF THE MAXIMUM DRY DENSITY WITH A MOISTURE CONTENT WITHIN 2% OF THE OPTIMUM.
6. WHEREVER POSSIBLE, EXCAVATED TOPSOIL SHALL BE STOCKPILED ON SITE AND RE-USED DURING LANDSCAPING AS NECESSARY.
7. FUTURE LAWN AREAS SHALL BE SCARIFIED TO A MINIMUM DEPTH OF 3 INCHES PRIOR TO PLACEMENT OF TOPSOIL AND SEED.
8. TILLING SHALL NOT BE PERFORMED WITHIN THE DRIP LINE OF EXISTING TREES TO REMAIN OR OVER EXISTING UNDERGROUND UTILITIES LESS THAN 24 INCHES BELOW GRADE.
9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TEMPORARY SHORING AND UNDERPINNING EXPOSED FOUNDATIONS ADJACENT TO EXCAVATIONS. THE STRUCTURAL ENGINEER SHALL BE CONTACTED FOR ASSOCIATED DETAILS.
10. ANY DAMAGED PROPERTY WITHIN THE PROJECT SITE OR ADJACENT PROJECT SITES SHALL BE RESTORED IN KIND.
11. ANY DEVIATION FROM ANY PLANS IN THIS DRAWING SET SHALL REQUIRE APPROVAL OF THE DESIGN ENGINEER (STUDIO T3) AND THE TOWN OF AMHERST PLANNING AND BUILDING DEPARTMENTS, AS WELL AS THE APPROPRIATE UTILITY COMPANIES AND SERVICE PROVIDERS. ANY AND ALL CHANGES MADE WITHOUT NOTIFICATION OR APPROVAL OF THE DESIGN ENGINEER (STUDIO T3) SHALL BE CONSIDERED UNAUTHORIZED AND THE DESIGN ENGINEER (STUDIO T3) SHALL NOT BE LIABLE FOR ANY DAMAGES, DELAYS, ADDITIONAL COSTS INCURRED, OR ANY OTHER CONSEQUENCES ARISING FROM SUCH CHANGES.
12. ALL CONTRACTORS AND SUBCONTRACTORS SHALL BE INSURED AND LICENSED IN THE STATE OF NEW YORK, THE COUNTY OF ERIE, AND THE TOWN OF AMHERST.
13. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PAYING ALL NECESSARY FEES AND OBTAINING ALL NECESSARY PERMITS PRIOR TO THE START OF CONSTRUCTION. CONTACT TOWN OF AMHERST BUILDING DEPARTMENT (716) 631-7080 FOR INSTRUCTIONS, PERMIT APPLICATIONS, AND FEES.

LEGEND

- EXISTING EDGE OF PAVEMENT
- NEW EDGE OF PAVEMENT
- EXISTING CURB
- NEW CURB
- SITE PARCEL R.O.W. / PROPERTY LINE
- ADJACENT PARCEL R.O.W. / PROPERTY LINE
- PAVEMENT SAW-CUT LINE
- BOTTOM OF NEW SWALE
- EXISTING UTILITY POLE
- 2.0% SURFACE FLOW DIRECTION & SLOPE
- EXISTING CATCH BASIN
- NEW CATCH BASIN
- EXISTING MANHOLE
- NEW MANHOLE
- EXISTING CONTOUR LINE
- EXISTING SPOT ELEVATION
- T.C. XXX.XX / B.C. XXX.XX TOP OF CURB ELEVATION / BOTTOM OF CURB ELEVATION
- XXX.XX NEW SPOT ELEVATION



SITE GRADING PLAN

SCALE : 1" = 30'-0"

0 30 60 120

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EGGERTSVILLE HOSE COMPANY EXTERIOR SITE IMPROVEMENTS 1880 EGGERT ROAD, AMHERST, NY 14226

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SITE GRADING PLAN

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JOB # 23-194A

SHEET C-2.0

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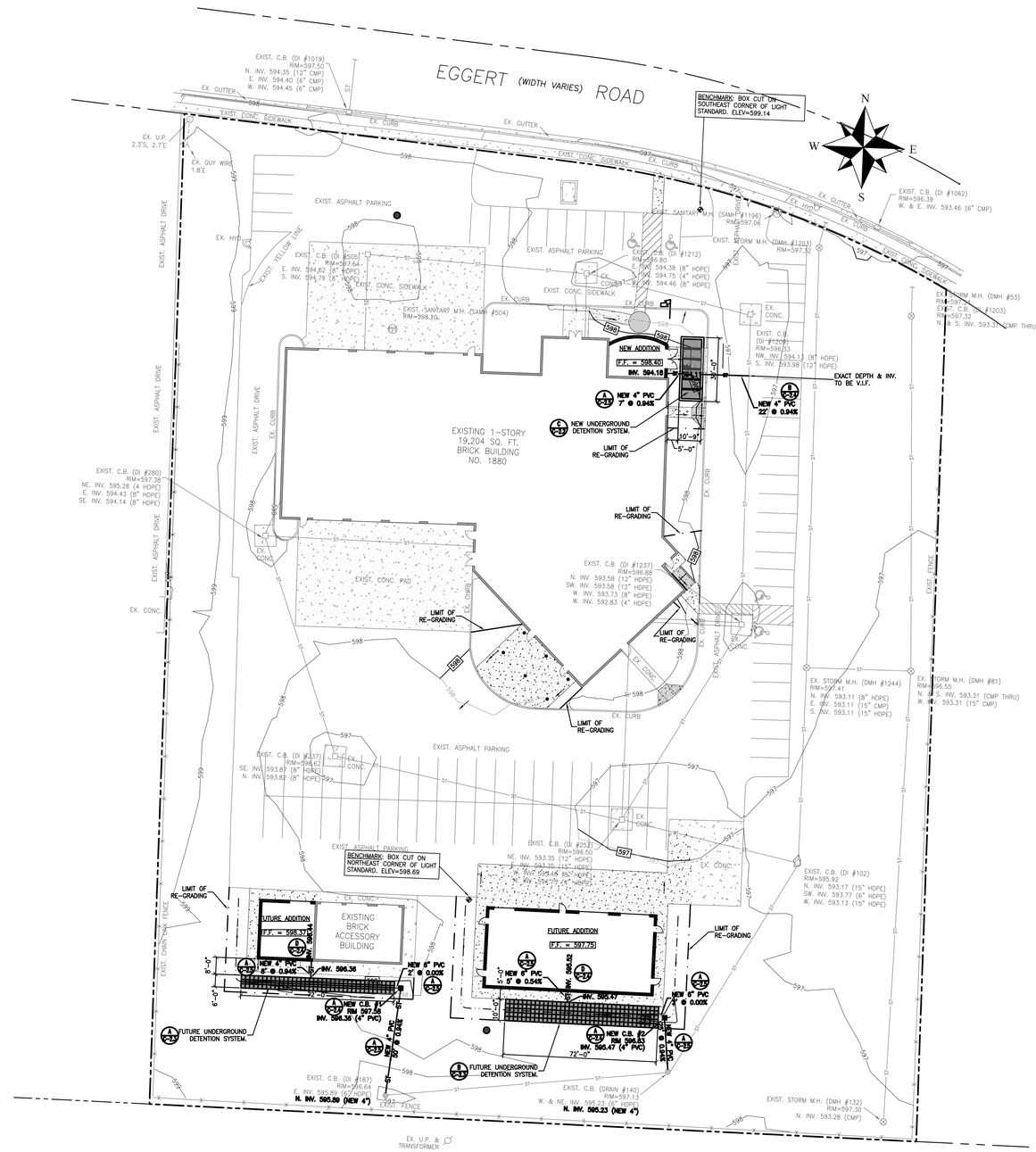
Attachment: SP-1994-18. B. drawings. 062625 (29950 : SP-1994-18B, 1880 Eggert Road)

NOTES

1. FOR REFERENCE INFORMATION SEE TOPOGRAPHIC SURVEY PREPARED BY FRANDINA ENGINEERING & SURVEYING DATED FEBRUARY 7, 2024 AND IDENTIFIED AS JOB NO. 4954, INCLUDED WITH THIS SET OF SITE PLANS.
2. FOR REFERENCE ALSO SEE ARCHITECTURAL AND PLUMBING PLANS FOR EXACT LOCATIONS AND DEPTHS OF ROOF DRAIN LEADER CONNECTIONS AT BUILDING WALLS.
3. THE DESIGN ENGINEER (STUDIO T3) IS NOT RESPONSIBLE FOR STORM SEWER SYSTEM FAILURE DUE TO LACK OF INSPECTIONS OR MAINTENANCE.
4. THE DESIGN ENGINEER (STUDIO T3) IS NOT RESPONSIBLE FOR ANY UTILITIES NOT SHOWN ON THE SURVEY OR ANY ACCIDENTAL RUPTURES DURING EXCAVATION OR CONSTRUCTION. THE DESIGN ENGINEER (STUDIO T3) AND THE RESPECTIVE UTILITY COMPANIES SHALL BE IMMEDIATELY NOTIFIED BY THE INSTALLATION CONTRACTOR UPON DISCOVERY OF ANY SUCH ABOVEGROUND OR UNDERGROUND UTILITIES NOT SHOWN ON THE SURVEY. WORK SHALL BE IMMEDIATELY SUSPENDED AND NOT COMMENCE UNTIL SUCH DISCOVERED UTILITIES ARE IDENTIFIED AND THE DESIGN ENGINEER (STUDIO T3) ISSUES EITHER A WRITTEN APPROVAL OR A SIGNED REVISED PLAN. IF NECESSARY AN UNDERGROUND UTILITY SURVEY SHALL BE DONE PRIOR TO EXCAVATION AND CONSTRUCTION IN ORDER TO ELIMINATE DELAYS RESULTING FROM INTERFERENCE WITH UN-DOCUMENTED OR UN-LOCATED BURIED UTILITIES ENCOUNTERED.
5. THE DESIGN ENGINEER (STUDIO T3) SHALL BE IMMEDIATELY CONTACTED UPON DISCOVERY OF ANY ABOVEGROUND OR BELOW GROUND OBJECTS NOT SHOWN ON THE BACKGROUND SURVEY THAT ARE UNCOVERED DURING EXCAVATION OR CONSTRUCTION (BUILDING FOUNDATIONS, BURIED VAULTS, TREES, SIDEWALKS, PAVEMENT, RAILINGS, SIGNS, STOCKPILES, STUMPS, OR SIMILAR) WHICH WILL INTERFERE OR CONFLICT WITH ANY PROPOSED WORK SHOWN ON THESE PLANS. WORK SHALL BE IMMEDIATELY SUSPENDED AND NOT COMMENCE UNTIL SUCH DISCOVERED OBJECTS ARE IDENTIFIED AND THE DESIGN ENGINEER (STUDIO T3) ISSUES EITHER A WRITTEN APPROVAL OR A SIGNED REVISED PLAN.
6. ALL NEW ROOF DRAIN LATERALS SHALL CONFORM TO ASTM D 2665, ASTM D 3034, ASTM F 891, CSA-B182.2, OR CAN/CSA-B182.4.
7. ALL STORM PIPE FITTINGS SHALL CONFORM TO ASTM D 2609, ASTM D 2464, ASTM D 2466, ASTM D 2467, CAN/CSA-B137.2, OR ASTM D 2665.
8. REGULAR MAINTENANCE OF THE UNDERGROUND DETENTION SYSTEMS SHALL BE THE RESPONSIBILITY OF THE PROPERTY OWNER (EGGERTSVILLE HOSE).
9. THE CONTRACTOR SHALL PERFORM ALL APPLICABLE TESTS AS REQUIRED BY THE LOCAL PLUMBING AND BUILDING DEPARTMENT, AS WELL AS TESTS REQUIRED IN THE NYS PLUMBING CODE SECTIONS 312.2 THRU 312.9.
10. ALL JOINTS OR JOINT SYSTEMS FOR NEW UNDERGROUND DETENTION SYSTEMS AND STORM SEWERS SHALL BE SILT TIGHT, AND SHALL RESIST INFILTRATION OF SOIL PARTICLES THAT PASS THE NO. 200 SIEVE. IF GEOTEXTILE WRAP IS SPECIFIED FOR USE IN JOINTS, IT SHALL MEET AASHTO M288, WITH AN APPARENT OPENING SIZE (AOS) GREATER THAN 70.
11. PER SECTION 107.2 OF THE NYS PLUMBING CODE, THE CONTRACTOR SHALL NOTIFY THE TOWN OF AMHERST PLUMBING INSPECTOR AT (716) 631-7080 TO SCHEDULE INSPECTIONS OF ALL NEW UTILITY INSTALLATIONS. UNDERGROUND INSPECTIONS SHALL BE MADE AFTER TRENCHES ARE EXCAVATED, PIPING INSTALLED, AND BEFORE ANY BACKFILL IS PUT IN PLACE. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO NOTIFY THE PLUMBING INSPECTOR WHEN WORK IS READY FOR INSPECTION. EQUIPMENT, MATERIAL, AND LABOR REQUIRED FOR TESTING SHALL BE FURNISHED BY THE CONTRACTOR.
12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TEMPORARY SHORING AND UNDERPINNING EXPOSED FOUNDATIONS ADJACENT TO EXCAVATIONS. THE STRUCTURAL ENGINEER SHALL BE CONTACTED FOR ASSOCIATED DETAILS.
13. ANY DAMAGED PROPERTY WITHIN THE PROJECT SITE OR ADJACENT PROJECT SITES SHALL BE RESTORED IN KIND.
14. ANY DEVIATION FROM ANY PLANS IN THIS DRAWING SET SHALL REQUIRE APPROVAL OF THE DESIGN ENGINEER (STUDIO T3) AND THE TOWN OF AMHERST PLANNING AND BUILDING DEPARTMENTS, AS WELL AS THE APPROPRIATE UTILITY COMPANIES AND SERVICE PROVIDERS. ANY AND ALL CHANGES MADE WITHOUT NOTIFICATION OR APPROVAL OF THE DESIGN ENGINEER (STUDIO T3) SHALL BE CONSIDERED UNAUTHORIZED AND THE DESIGN ENGINEER (STUDIO T3) SHALL NOT BE LIABLE FOR ANY DAMAGES, DELAYS, ADDITIONAL COSTS INCURRED, OR ANY OTHER CONSEQUENCES ARISING FROM SUCH CHANGES.
15. ALL CONTRACTORS AND SUBCONTRACTORS SHALL BE INSURED AND LICENSED IN THE STATE OF NEW YORK, THE COUNTY OF ERIE, AND THE TOWN OF AMHERST.
16. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PAYING FOR ALL NECESSARY FEES AND OBTAINING ALL NECESSARY PERMITS PRIOR TO THE START OF CONSTRUCTION. CONTACT THE TOWN OF AMHERST BUILDING DEPARTMENT (716) 631-7080 FOR INSTRUCTIONS, PERMIT APPLICATIONS, AND FEES.

LEGEND

- EXISTING EDGE OF PAVEMENT
- NEW EDGE OF PAVEMENT
- EXISTING CURB
- NEW CURB (6")
- SITE PARCEL R.O.W. / PROPERTY LINE
- ADJACENT PARCEL R.O.W. / PROPERTY LINE
- BOTTOM OF NEW SWALE
- EXISTING STORM SEWER
- NEW STORM SEWER
- EXISTING UTILITY POLE
- EXISTING HYDRANT
- PROPOSED SURFACE FLOW DIRECTION
- EXISTING CATCH BASIN
- NEW CATCH BASIN
- EXISTING MANHOLE
- NEW MANHOLE
- EXISTING CONTOUR LINE (TO REMAIN)
- FORMER CONTOUR LINE (RE-GRADED)
- NEW CONTOUR LINE (FINISHED GRADE)



SITE DRAINAGE PLAN

SCALE : 1"= 30'-0"

0 30 60 120

FOR OFFICIAL TOWN OF AMHERST USE

THE CONTRACTOR SHALL CONTACT THE DESIGN ENGINEER BEFORE EXCAVATION & CONSTRUCTION TO ENSURE HE/SHE HAS THE FINAL SET OF DESIGN DOCUMENTS AS ISSUED FOR CONSTRUCTION. THIS PLAN IS CURRENT AS OF THE DATE IT WAS ISSUED. SUBSEQUENT UPDATES OF THIS PLAN BY THE DESIGN ENGINEER DOES NOT AFFORD ANY TRANSFEREES THE RIGHT TO RECEIVE SAID UPDATES, BUT PLACES THE RESPONSIBILITY TO THE TRANSFEREE TO OBTAIN UPDATED PLANS WHICH ARE ISSUED FOR CONSTRUCTION AS THESE MAY DIFFER FROM PREVIOUS PLANS ISSUED FOR PERMIT OR BID.

EGGERTSVILLE HOSE COMPANY
EXTERIOR SITE IMPROVEMENTS
1880 EGGERT ROAD, AMHERST, NY 14226

STAMP/SEAL

1	REV. PER SITE PLAN REVIEW	5/28/25
2	ISSUED FOR SITE PLAN REV.	1/21/25
3	ISSUED FOR CLIENT REVIEW	1/3/25

SITE DRAINAGE PLAN

studio T3
Engineering, PLLC
2495 Main Street, Suite 301
Buffalo, New York 14214
Phone: (716) 803-6400
Fax: (716) 810-9504

DRAWN BY: AVT
CHECKED BY: TS
JOB # 23-194A

SHEET C-2.1

Attachment: SP-1994-18_B_drawings_062625 (29950 : SP-1994-18B, 1880 Eggert Road)

WARNING: IT IS A VIOLATION OF SECTION 7209, SUBDIVISION 2, OF THE NEW YORK STATE EDUCATION LAW FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED ARCHITECT OR PROFESSIONAL ENGINEER, TO ALTER IN ANY WAY, PLANS, SPECIFICATIONS, OR REPORTS TO WHICH THE SEAL OF A LICENSED ARCHITECT OR PROFESSIONAL ENGINEER HAS BEEN APPLIED.

STORMTECH CHAMBER SPECIFICATIONS

1. CHAMBERS SHALL BE STORMTECH SC-740 OR SC-310.
2. CHAMBERS SHALL BE MANUFACTURED FROM VIRGIN POLYPROPYLENE OR POLYETHYLENE RESINS.
3. CHAMBER ROWS SHALL PROVIDE CONTINUOUS, UNOBSTRUCTED INTERNAL SPACE WITH NO INTERNAL SUPPORT PANELS THAT WOULD IMPEDE FLOW OR LIMIT ACCESS FOR INSPECTION.
4. THE STRUCTURAL DESIGN OF THE CHAMBERS, THE STRUCTURAL BACKFILL, AND THE INSTALLATION REQUIREMENTS SHALL ENSURE THAT THE LOAD FACTORS SPECIFIED IN THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, SECTION 12.12, ARE MET FOR: 1) LONG-DURATION DEAD LOADS AND 2) SHORT-DURATION LIVE LOADS, BASED ON THE AASHTO DESIGN TRUCK WITH CONSIDERATION FOR IMPACT AND MULTIPLE VEHICLE PRESENCES.
5. CHAMBERS SHALL MEET ASTM F2922 (POLYETHYLENE) OR ASTM F2418-16 (POLYPROPYLENE), "STANDARD SPECIFICATION FOR THERMOPLASTIC CORRUGATED WALL STORMWATER COLLECTION CHAMBERS".
6. CHAMBERS SHALL BE DESIGNED AND ALLOWABLE LOADS DETERMINED IN ACCORDANCE WITH ASTM F2787, "STANDARD PRACTICE FOR STRUCTURAL DESIGN OF THERMOPLASTIC CORRUGATED WALL STORMWATER COLLECTION CHAMBERS".
7. ONLY CHAMBERS THAT ARE APPROVED BY THE SITE DESIGN ENGINEER WILL BE ALLOWED. THE CHAMBER MANUFACTURER SHALL SUBMIT THE FOLLOWING UPON REQUEST TO THE SITE DESIGN ENGINEER FOR APPROVAL BEFORE DELIVERING CHAMBERS TO THE PROJECT SITE:
   a. A STRUCTURAL EVALUATION SEALED BY A REGISTERED PROFESSIONAL ENGINEER THAT DEMONSTRATES THAT THE SAFETY FACTORS ARE GREATER THAN OR EQUAL TO 1.95 FOR DEAD LOAD AND 1.75 FOR LIVE LOAD, THE MINIMUM REQUIRED BY ASTM F2787 AND BY AASHTO FOR THERMOPLASTIC PIPE.
   b. A STRUCTURAL EVALUATION SEALED BY A REGISTERED PROFESSIONAL ENGINEER THAT DEMONSTRATES THAT THE LOAD FACTORS SPECIFIED IN THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, SECTION 12.12, ARE MET. THE 50 YEAR CREEP MODULUS DATA SPECIFIED IN ASTM F2418 OR ASTM F2922 MUST BE USED AS PART OF THE AASHTO STRUCTURAL EVALUATION TO VERIFY LONG-TERM PERFORMANCE.
   c. STRUCTURAL CROSS SECTION DETAIL ON WHICH THE STRUCTURAL EVALUATION IS BASED.
8. CHAMBERS AND END CAPS SHALL BE PRODUCED AT AN ISO 9001 CERTIFIED MANUFACTURING FACILITY.

PROJECT INFORMATION	
ENGINEERED PRODUCT MANAGER:	IAN KUCHMAN 585-472-1312 IAN.KUCHMAN@ADS-PIPE.COM
ADS SALES REP:	DAVE ENSER (716) 860-4608 DAVE.ENSER@ADS-PIPE.COM
PROJECT NO:	197984

IMPORTANT - NOTES FOR THE BIDDING AND INSTALLATION OF THE SC-310/SC-740 SYSTEM

1. STORMTECH SC-310 & SC-740 CHAMBERS SHALL NOT BE INSTALLED UNTIL THE MANUFACTURER'S REPRESENTATIVE HAS COMPLETED A PRE-CONSTRUCTION MEETING WITH THE INSTALLERS.
2. STORMTECH SC-310 & SC-740 CHAMBERS SHALL BE INSTALLED IN ACCORDANCE WITH THE "STORMTECH SC-310/SC-740/SC-780 CONSTRUCTION GUIDE".
3. CHAMBERS ARE NOT TO BE BACKFILLED WITH A DOZER OR AN EXCAVATOR SITUATED OVER THE CHAMBERS. STORMTECH RECOMMENDS 3 BACKFILL METHODS:
   - STONESHOOTER LOCATED OFF THE CHAMBER BED.
   - BACKFILL AS ROWS ARE BUILT USING AN EXCAVATOR ON THE FOUNDATION STONE OR SUBGRADE.
   - BACKFILL FROM OUTSIDE THE EXCAVATION USING A LONG BOOM HOE OR EXCAVATOR.
4. THE FOUNDATION STONE SHALL BE LEVELED AND COMPACTED PRIOR TO PLACING CHAMBERS.
5. JOINTS BETWEEN CHAMBERS SHALL BE PROPERLY SEATED PRIOR TO PLACING STONE.
6. MAINTAIN MINIMUM - 6" (150 mm) SPACING BETWEEN THE CHAMBER ROWS.
7. EMBEDMENT STONE SURROUNDING CHAMBERS MUST BE A CLEAN, CRUSHED, ANGULAR STONE 3/4-2" (20-50 mm).
8. THE CONTRACTOR MUST REPORT ANY DISCREPANCIES WITH CHAMBER FOUNDATION MATERIALS BEARING CAPACITIES TO THE SITE DESIGN ENGINEER.
9. ADS RECOMMENDS THE USE OF "FLEXSTORM CATCH IT" INSERTS DURING CONSTRUCTION FOR ALL INLETS TO PROTECT THE SUBSURFACE STORMWATER MANAGEMENT SYSTEM FROM CONSTRUCTION SITE RUNOFF.

NOTES FOR CONSTRUCTION EQUIPMENT

1. STORMTECH SC-310 & SC-740 CHAMBERS SHALL BE INSTALLED IN ACCORDANCE WITH THE "STORMTECH SC-310/SC-740/DC-780 CONSTRUCTION GUIDE".
2. THE USE OF CONSTRUCTION EQUIPMENT OVER SC-310 & SC-740 CHAMBERS IS LIMITED:
   - NO EQUIPMENT IS ALLOWED ON BARE CHAMBERS.
   - NO RUBBER TIRED LOADERS, DUMP TRUCKS, OR EXCAVATORS ARE ALLOWED UNTIL PROPER FILL DEPTHS ARE REACHED IN ACCORDANCE WITH THE "STORMTECH SC-310/SC-740/DC-780 CONSTRUCTION GUIDE".
   - WEIGHT LIMITS FOR CONSTRUCTION EQUIPMENT CAN BE FOUND IN THE "STORMTECH SC-310/SC-740/DC-780 CONSTRUCTION GUIDE".
3. FULL 36" (900 mm) OF STABILIZED COVER MATERIALS OVER THE CHAMBERS IS REQUIRED FOR DUMP TRUCK TRAVEL OR DUMPING.

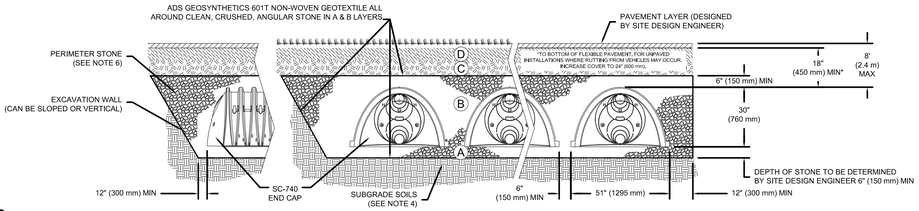
USE OF A DOZER TO PUSH EMBEDMENT STONE BETWEEN THE ROWS OF CHAMBERS MAY CAUSE DAMAGE TO THE CHAMBERS AND IS NOT AN ACCEPTABLE BACKFILL METHOD. ANY CHAMBERS DAMAGED BY THE "DUMP AND PUSH" METHOD ARE NOT COVERED UNDER THE STORMTECH STANDARD WARRANTY.

CONTACT STORMTECH AT 1-888-892-2694 WITH ANY QUESTIONS ON INSTALLATION REQUIREMENTS OR WEIGHT LIMITS FOR CONSTRUCTION EQUIPMENT.

ACCEPTABLE FILL MATERIALS: STORMTECH SC-740 CHAMBER SYSTEMS

	MATERIAL LOCATION	DESCRIPTION	AASHTO MATERIAL CLASSIFICATIONS	COMPACTION / DENSITY REQUIREMENT
D	**FINAL FILL:** FILL MATERIAL FOR LAYER 'D' STARTS FROM THE TOP OF THE 'C' LAYER TO THE BOTTOM OF FLEXIBLE PAVEMENT OR UNPAVED FINISHED GRADE ABOVE. NOTE THAT PAVEMENT SUBBASE MAY BE PART OF THE 'D' LAYER	ANY SOIL/ROCK MATERIALS, NATIVE SOILS, OR PER ENGINEER'S PLANS. CHECK PLANS FOR PAVEMENT SUBGRADE REQUIREMENTS.	N/A	PREPARE PER SITE DESIGN ENGINEER'S PLANS. PAVED INSTALLATIONS MAY HAVE STRINGENT MATERIAL AND PREPARATION REQUIREMENTS.
C	**INITIAL FILL:** FILL MATERIAL FOR LAYER 'C' STARTS FROM THE TOP OF THE EMBEDMENT STONE ('B' LAYER) TO 18" (450 mm) ABOVE THE TOP OF THE CHAMBER. NOTE THAT PAVEMENT SUBBASE MAY BE A PART OF THE 'C' LAYER.	GRANULAR WELL-GRADED SOIL/AGGREGATE MIXTURES, <35% FINES OR PROCESSED AGGREGATE. MOST PAVEMENT SUBBASE MATERIALS CAN BE USED IN LIEU OF THIS LAYER.	AASHTO M145[1] A-1, A-2-4, A-3 OR AASHTO M43[1] 3, 357, 4, 467, 5, 56, 57, 6, 67, 68, 7, 78, 8, 89, 9, 10	BEGIN COMPACTIONS AFTER 12" (300 mm) OF MATERIAL OVER THE CHAMBERS IS REACHED. COMPACT ADDITIONAL LAYERS IN 6" (150 mm) MAX LIFTS TO A MIN. 95% PROCTOR DENSITY FOR WELL GRADED MATERIAL AND 95% RELATIVE DENSITY FOR PROCESSED AGGREGATE MATERIALS. ROLLER GROSS VEHICLE WEIGHT NOT TO EXCEED 12,000 lbs (53 kN), DYNAMIC FORCE NOT TO EXCEED 20,000 lbs (89 kN).
B	**EMBEDMENT STONE:** FILL SURROUNDING THE CHAMBERS FROM THE FOUNDATION STONE ('A' LAYER) TO THE 'C' LAYER ABOVE.	CLEAN, CRUSHED, ANGULAR STONE	AASHTO M43[1] 3, 357, 4, 467, 5, 56, 57	NO COMPACTION REQUIRED.
A	**FOUNDATION STONE:** FILL BELOW CHAMBERS FROM THE SUBGRADE UP TO THE FOOT (BOTTOM) OF THE CHAMBER.	CLEAN, CRUSHED, ANGULAR STONE	AASHTO M43[1] 3, 357, 4, 467, 5, 56, 57	PLATE COMPACT OR ROLL TO ACHIEVE A FLAT SURFACE. [2 3]

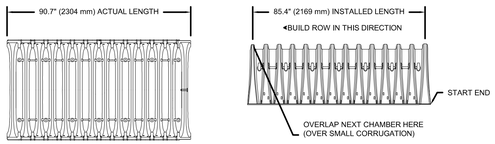
PLEASE NOTE:
1. THE LISTED AASHTO DESIGNATIONS ARE FOR GRADATIONS ONLY. THE STONE MUST ALSO BE CLEAN, CRUSHED, ANGULAR. FOR EXAMPLE, A SPECIFICATION FOR #4 STONE WOULD STATE: "CLEAN, CRUSHED, ANGULAR NO. 4 (AASHTO M43) STONE".
2. STORMTECH COMPACTION REQUIREMENTS ARE MET FOR 'A' LOCATION MATERIALS WHEN PLACED AND COMPACTED IN 6" (150 mm) (MAX) LIFTS USING TWO FULL COVERAGES WITH A VIBRATORY COMPACTOR.
3. WHERE INFILTRATION SURFACES MAY BE COMPROMISED BY COMPACTION, FOR STANDARD DESIGN LOAD CONDITIONS, A FLAT SURFACE MAY BE ACHIEVED BY RAKING OR DRAGGING WITHOUT COMPACTION EQUIPMENT. FOR SPECIAL LOAD DESIGNS, CONTACT STORMTECH FOR COMPACTION REQUIREMENTS.

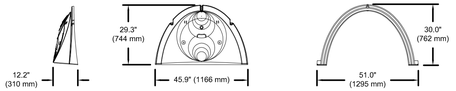


NOTES:

1. SC-740 CHAMBERS SHALL CONFORM TO THE REQUIREMENTS OF ASTM F2418 "STANDARD SPECIFICATION FOR POLYPROPYLENE (PP) CORRUGATED WALL STORMWATER COLLECTION CHAMBERS", OR ASTM F2922 "STANDARD SPECIFICATION FOR POLYETHYLENE (PE) CORRUGATED WALL STORMWATER COLLECTION CHAMBERS".
2. SC-740 CHAMBERS SHALL BE DESIGNED IN ACCORDANCE WITH ASTM F2787 "STANDARD PRACTICE FOR STRUCTURAL DESIGN OF THERMOPLASTIC CORRUGATED WALL STORMWATER COLLECTION CHAMBERS".
3. "ACCEPTABLE FILL MATERIALS" TABLE ABOVE PROVIDES MATERIAL LOCATIONS, DESCRIPTIONS, GRADATIONS, AND COMPACTION REQUIREMENTS FOR FOUNDATION, EMBEDMENT, AND FILL MATERIALS.
4. THE SITE DESIGN ENGINEER IS RESPONSIBLE FOR ASSESSING THE BEARING RESISTANCE (ALLOWABLE BEARING CAPACITY) OF THE SUBGRADE SOILS AND THE DEPTH OF FOUNDATION STONE WITH CONSIDERATION FOR THE RANGE OF EXPECTED SOIL MOISTURE CONDITIONS.
5. PERIMETER STONE MUST BE EXTENDED HORIZONTALLY TO THE EXCAVATION WALL FOR BOTH VERTICAL AND SLOPED EXCAVATION WALLS.
6. ONCE LAYER 'C' IS PLACED, ANY SOIL/MATERIAL CAN BE PLACED IN LAYER 'D' UP TO THE FINISHED GRADE. MOST PAVEMENT SUBBASE SOILS CAN BE USED TO REPLACE THE MATERIAL REQUIREMENTS OF LAYER 'C' OR 'D' AT THE SITE DESIGN ENGINEER'S DISCRETION.

SC-740 TECHNICAL SPECIFICATION
NTS

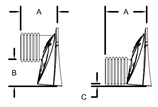




NOMINAL CHAMBER SPECIFICATIONS

SIZE (W X H X INSTALLED LENGTH)	51.0" X 30.0" X 85.4"	(1295 mm X 762 mm X 2169 mm)
CHAMBER STORAGE	45.9 CUBIC FEET	(1.30 m³)
MINIMUM INSTALLED STORAGE*	74.9 CUBIC FEET	(2.12 m³)
WEIGHT	75.0 lbs.	(33.6 kg)

*ASSUMES 6" (152 mm) STONE ABOVE, BELOW, AND BETWEEN CHAMBERS



PRE-FAB STUBS AT BOTTOM OF END CAP FOR PART NUMBERS ENDING WITH "B"
PRE-FAB STUBS AT TOP OF END CAP FOR PART NUMBERS ENDING WITH "T"
PRE-CORED END CAPS END WITH "PC"

PART #	STUB	A	B	C
SC740EPE06T / SC740EPE06TPC	6" (150 mm)	10.9" (277 mm)	18.5" (470 mm)	---
SC740EPE06B / SC740EPE06BPC			---	0.5" (13 mm)
SC740EPE08T /SC740EPE08TPC	8" (200 mm)	12.2" (310 mm)	16.5" (419 mm)	---
SC740EPE08B / SC740EPE08BPC			---	0.6" (15 mm)
SC740EPE10T / SC740EPE10TPC	10" (250 mm)	13.4" (340 mm)	14.5" (368 mm)	---
SC740EPE10B / SC740EPE10BPC			---	0.7" (18 mm)
SC740EPE12T / SC740EPE12TPC	12" (300 mm)	14.7" (373 mm)	12.5" (318 mm)	---
SC740EPE12B / SC740EPE12BPC			---	1.2" (30 mm)
SC740EPE15T / SC740EPE15TPC	15" (375 mm)	18.4" (467 mm)	9.0" (229 mm)	---
SC740EPE15B / SC740EPE15BPC			---	1.3" (33 mm)
SC740EPE18T / SC740EPE18TPC	18" (450 mm)	19.7" (500 mm)	5.0" (127 mm)	---
SC740EPE18B / SC740EPE18BPC			---	1.6" (41 mm)
SC740EPE24B*	24" (600 mm)	18.5" (470 mm)	---	0.1" (3 mm)

ALL STUBS, EXCEPT FOR THE SC740EPE24B ARE PLACED AT BOTTOM OF END CAP SUCH THAT THE OUTSIDE DIAMETER OF THE STUB IS FLUSH WITH THE BOTTOM OF THE END CAP. FOR ADDITIONAL INFORMATION CONTACT STORMTECH AT 1-888-892-2694.

* FOR THE SC740EPE24B THE 24" (600 mm) STUB LIES BELOW THE BOTTOM OF THE END CAP APPROXIMATELY 1.75" (44 mm). BACKFILL MATERIAL SHOULD BE REMOVED FROM BELOW THE N-12 STUB SO THAT THE FITTING SITS LEVEL.

NOTE: ALL DIMENSIONS ARE NOMINAL

STORMTECH SC-740 DETAILS (A)
SCALE : N.T.S.

Chamber Model = ADS_StormTech SC-740 b +Cap (ADS StormTech® SC-740 with cap storage)
Effective Size= 44.6"W x 30.0"H => 6.45 sf x 7.12'L = 45.9 cf
Overall Size= 51.0"W x 30.0"H x 7.56'L with 0.44' Overlap
Cap Storage= 2.7 cf x 2 x 6 rows = 31.9 cf

51.0" Wide + 6.0" Spacing = 57.0" C-C Row Spacing

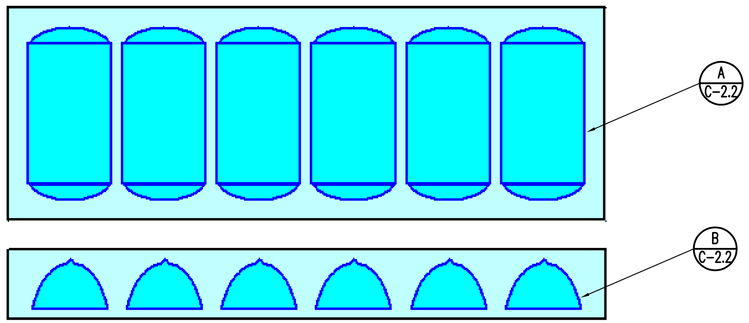
1 Chambers/Row x 7.12' Long +0.81' Cap Length x 2 = 8.74' Row Length +12.0" End Stone x 2 = 10.74' Base Length
6 Rows x 51.0" Wide + 6.0" Spacing x 5 + 12.0" Side Stone x 2 = 30.00' Base Width
6.0" Stone Base + 30.0" Chamber Height + 6.0" Stone Cover = 3.50' Field Height

6 Chambers x 45.9 cf + 2.7 cf Cap Volume x 2 x 6 Rows = 307.5 cf Chamber Storage

1,127.3 cf Field - 307.5 cf Chambers = 819.8 cf Stone x 40.0% Voids = 327.9 cf Stone Storage

Chamber Storage + Stone Storage = 635.4 cf = 0.015 af
Overall Storage Efficiency = 56.4%
Overall System Size = 10.74' x 30.00' x 3.50'

6 Chambers
41.8 cy Field
30.4 cy Stone



UNDERGROUND DETETNION SCHEMATIC (C)
SCALE : N.T.S.

UNDERGROUND DETETNION SECTION (B)
SCALE : N.T.S.

FOR OFFICIAL TOWN OF AMHERST USE

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EGGERTSVILLE HOSE COMPANY
EXTERIOR SITE IMPROVEMENTS
1880 EGGERT ROAD, AMHERST, NY 14226

STAMP/SEAL

1	REV. PER SITE PLAN REVIEW	5/28/25
2	ISSUED FOR SITE PLAN REV.	1/21/25
1	ISSUED FOR CLIENT REVIEW	1/3/25

DRAINAGE DETAILS

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2495 Main Street, Suite 301
Buffalo, New York 14214
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Fax: (716) 810-9504

DRAWN BY: AVT
CHECKED BY: TS
JOB # 23-194A

SHEET C-2.2

Attachment: SP-1994-18_B_drawings_062625 (29950 : SP-1994-18B, 1880 Eggert Road)

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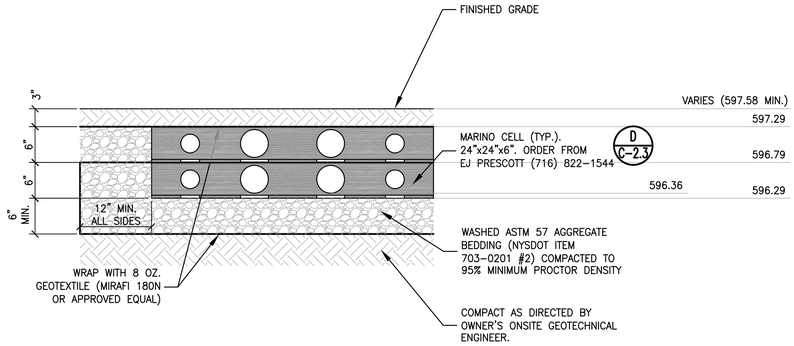
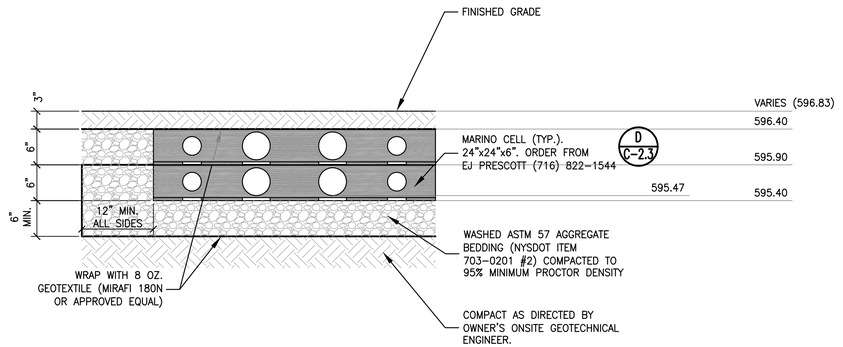


SECTION

PHASE 2 UNDERGROUND DETENTION A

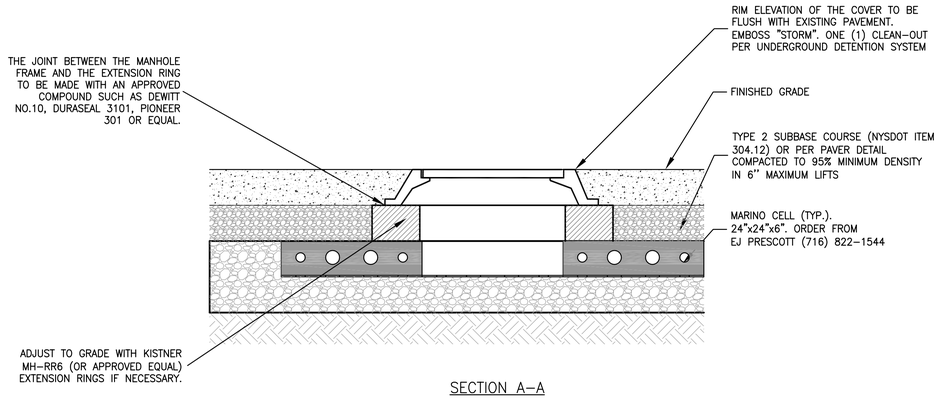
SCALE : 1" = 1'-0"



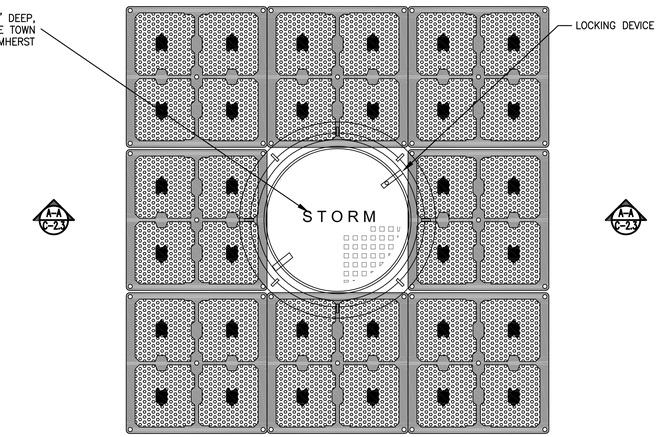
SECTION

PHASE 3 UNDERGROUND DETENTION B

SCALE : 1" = 1'-0"

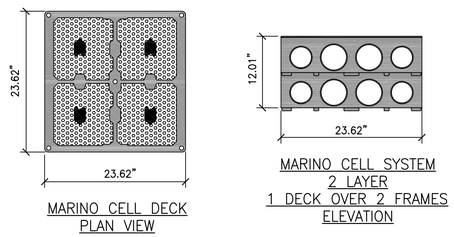


SECTION A-A



CLEAN-OUT MANHOLE C

SCALE : 1" = 1'-0"



MARINO CELL DECK PLAN VIEW

MARINO CELL SYSTEM 2 LAYER 1 DECK OVER 2 FRAMES ELEVATION

UNDERGROUND DETENTION STANDARD DETAILS D

SCALE : 1" = 1'-0"

ORDER MARINO CELL SYSTEM FROM EJ PRESCOTT (716) 822-1544

THE CONTRACTOR SHALL CONTACT THE DESIGN ENGINEER BEFORE EXCAVATION & CONSTRUCTION TO ENSURE HE/SHE HAS THE FINAL SET OF DESIGN DOCUMENTS AS ISSUED FOR CONSTRUCTION. THIS PLAN IS CURRENT AS OF THE DATE IT WAS ISSUED. SUBSEQUENT UPDATES OF THIS PLAN BY THE DESIGN ENGINEER DOES NOT AFFORD ANY TRANSFEREES THE RIGHT TO RECEIVE SAID UPDATES, BUT PLACES THE RESPONSIBILITY TO THE TRANSFEREE TO OBTAIN UPDATED PLANS WHICH ARE ISSUED FOR CONSTRUCTION AS THESE MAY DIFFER FROM PREVIOUS PLANS ISSUED FOR PERMIT OR BID.

EGGERTSVILLE HOSE COMPANY EXTERIOR SITE IMPROVEMENTS

1880 EGGERT ROAD, AMHERST, NY 14226

STAMP/SEAL

REV. PER SITE PLAN REVIEW	5/28/25
ISSUED FOR SITE PLAN REV.	1/21/25
ISSUED FOR CLIENT REVIEW	1/3/25

FOR OFFICIAL TOWN OF AMHERST USE

DRAINAGE DETAILS

studio T3 Engineering, PLLC
2495 Main Street, Suite 301
Buffalo, New York 14214
Phone: (716) 803-6400
Fax: (716) 810-9504

DRAWN BY: AVT
CHECKED BY: TS
JOB # 23-194A

SHEET C-2.3

Attachment: SP-1994-18_B_drawings_062625 (29950 : SP-1994-18B, 1880 Eggert Road)

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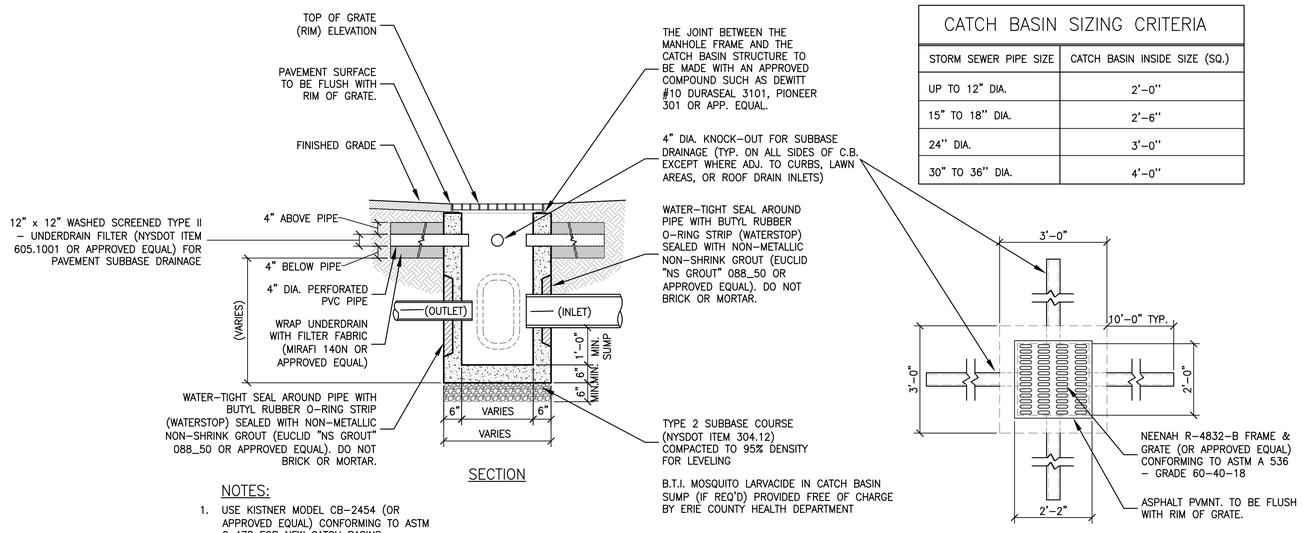


SECTION

CATCH BASIN DETAIL (A)

SCALE : 1/2" = 1'-0"

NOTES:

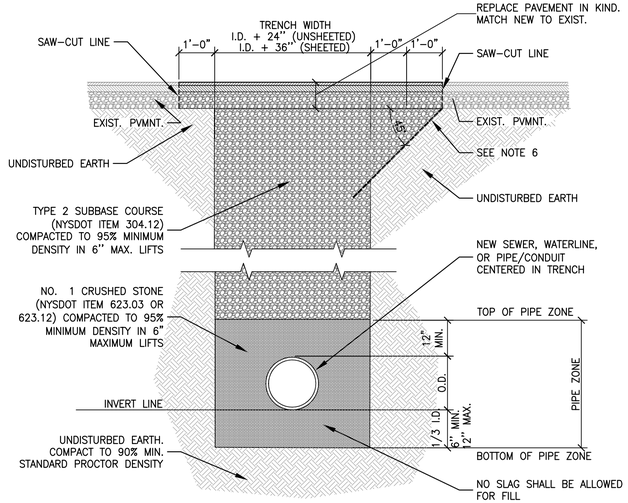
1. USE KISTNER MODEL CB-2454 (OR APPROVED EQUAL) CONFORMING TO ASTM C 478 FOR NEW CATCH BASINS.
2. TYPE II UNDERDRAIN FILTER SHALL CONFORM TO NYSDOT TABLE 703-4, SIZE DESIGNATION 1A. (OPTIONAL: USE WASHED SCREENED PEA GRAVEL (NYSDOT ITEM 623.01 OR 623.10) CONFORMING TO NYSDOT TABLE 703-4, SIZE DESIGNATION.
3. FOR HANDICAP ACCESSIBLE PATHS GRATING OPENINGS SHALL NOT EXCEED ½" IN ONE DIRECTION. GRATING OPENINGS SHALL BE PLACED SO THAT THE LONG DIMENSION IS PERPENDICULAR TO THE PROMINENT DIRECTION OF TRAVEL.

CATCH BASIN SIZING CRITERIA

STORM SEWER PIPE SIZE	CATCH BASIN INSIDE SIZE (SQ.)
UP TO 12" DIA.	2'-0"
15" TO 18" DIA.	2'-6"
24" DIA.	3'-0"
30" TO 36" DIA.	4'-0"

PLAN VIEW

IF NECESSARY, ADJUST GRATES TO FIN. GRADE WITH KISTNER MH-RR6 (OR APPROVED EQUAL) EXTENSION RINGS. (A) THE JOINTS BETWEEN THE C.B. STRUCTURE AND THE EXTENSION RINGS SHALL BE MORTARED IN PLACE, (B) THE INDIVIDUAL RINGS SHALL NOT EXCEED 6" IN THICKNESS. THE TOTAL NUMBER PLACED SHALL BE LIMITED TO 2 OR A MAXIMUM OF 12" IN HEIGHT.



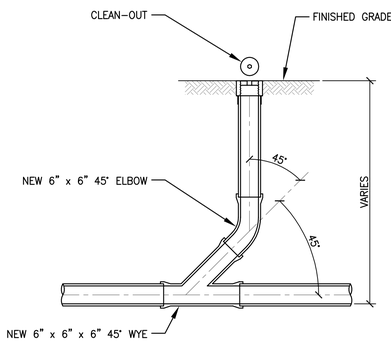
SECTION

PAVEMENT REPLACEMENT DETAIL (B)

SCALE : 1/2" = 1'-0"

NOTES

1. IF CONSTRUCTION IS PERFORMED BETWEEN OCTOBER 1 AND APRIL 1, THE CONTRACTOR IS REQUIRED TO PROVIDE 4" OF COLD PATCH FOR ALL PAVEMENT CUTS.
2. ALL OPEN CUTS WITHIN 50' OF AN INTERSECTION SHALL BE TOPPED WITH 4" OF COLD PATCH REGARDLESS OF THE TIME OF YEAR.
3. ALL ROAD CUTS ON HEAVILY TRAVELED HIGHWAYS ROADWAYS WILL REQUIRE 4" OF COLD PATCH (GENERALLY STATE AND COUNTY HIGHWAYS).
4. ALL TEMPORARY PAVEMENT PATCHES SHALL BE MAINTAINED BY THE CONTRACTOR.
5. SHEETING OR SHORING SHALL BE REQUIRED PER O.S.H.A. STANDARDS FOR WORKER SAFETY AND PROTECTION OF TRENCH AREA. ALL SHORING AND TRENCHING SHALL BE DONE AS DIRECTED BY THE OWNER'S ON-SITE GEOTECHNICAL ENGINEER AND SHALL REMAIN IN PLACE UNTIL ALL TRENCHING OPERATIONS ARE COMPLETED.
6. SELECT FILL (NYSDOT ITEM 304.12) IS REQUIRED BENEATH NON-PAVED AREAS ADJACENT TO PAVED AREAS IF THE 45° LINE SHOWN ABOVE INTERCEPTS THE TRENCH ABOVE THE PIPE ZONE.
7. PIPE BEDDING AND MATERIAL AROUND THE PIPE ("NO. 1 CRUSHED STONE") SHALL CONFORM TO NYSDOT TABLE 703-4, SIZE DESIGNATION 1, MATERIAL DESIGNATION 702-0201. OPTIONAL: PIPE BEDDING MATERIAL SHALL CONFORM TO CLASS I, II, OR III AS PER ASTM D 2321.
8. PAVEMENT CUTS BY THE CONTRACTOR WILL BE MADE WITH A SAW, PNEUMATIC SPADE OR OTHER ACCEPTED MEANS PRIOR TO EXCAVATION.
9. FINAL PAVEMENT RESTORATION: THE CONTRACTOR WILL BE RESPONSIBLE TO SAW CUT AN ADDITIONAL 12" ON EACH SIDE OF THE DISTURBED TRENCH AREA, SO AS TO PROVIDE A UNIFORM STRAIGHT EDGE. THE CUT EDGE WILL THEN BE COATED WITH A BITUMINOUS SEAL COAT AND REPLACED IN THE MANNER DESCRIBED ABOVE.



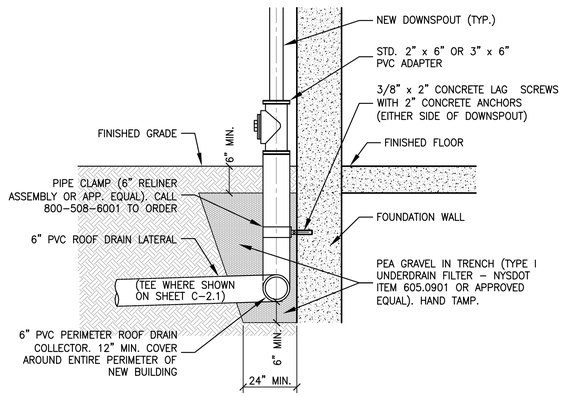
SECTION

CLEAN-OUT DETAIL (C)

SCALE :1/2" = 1'-0"

NOTES

1. CLEAN-OUT BODIES SHALL BE PVC MODEL 2-115 STANDARD FERRULE TYPE AND CLEAN-OUT PLUG SHALL BE CAST IRON, S-PLAIN COUNTERSUNK AS MANUFACTURED BY TYLER PIPE, OR APP. EQUAL.
2. IN TRAFFIC AREAS A CONCRETE COLLAR SHALL BE POURED AROUND THE CLEAN-OUT.
3. CLEAN-OUTS SHALL BE LOCATED NOT MORE THAN 100 FEET APART MEASURED FROM THE UPSTREAM ENTRANCE OF THE CLEAN-OUT.



SECTION

PIPE ANCHORING DETAIL (D)

SCALE : 3/4" = 1'-0"

FOR OFFICIAL TOWN OF AMHERST USE

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EGGERTSVILLE HOSE COMPANY EXTERIOR SITE IMPROVEMENTS

1880 EGGERT ROAD, AMHERST, NY 14226

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studio T3
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2495 Main Street, Suite 301
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Fax: (716) 810-9604

DRAWN BY: AVT
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JOB # 23-194A

SHEET C-2.4

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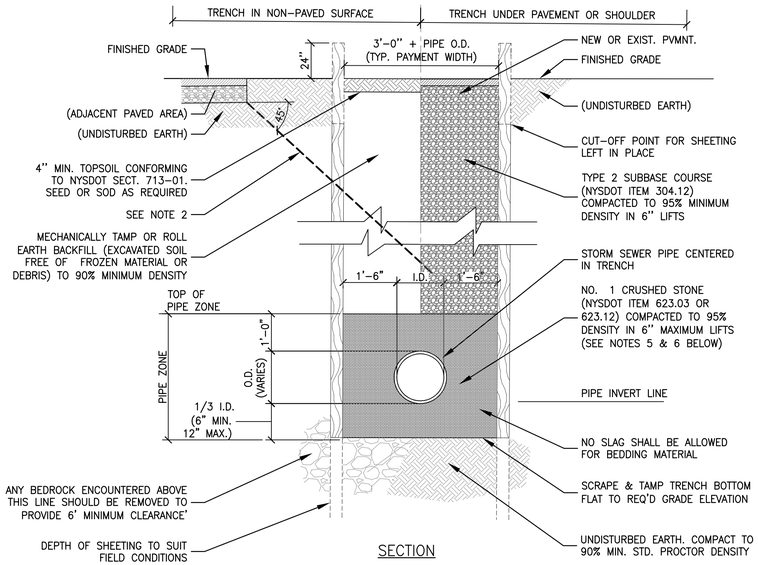


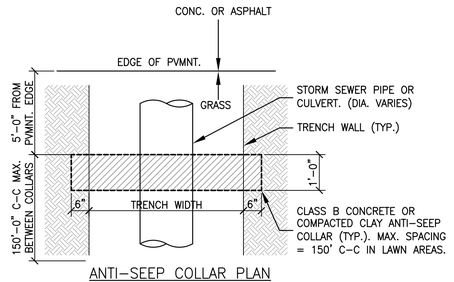
SECTION

STORM SEWER TRENCH (A)

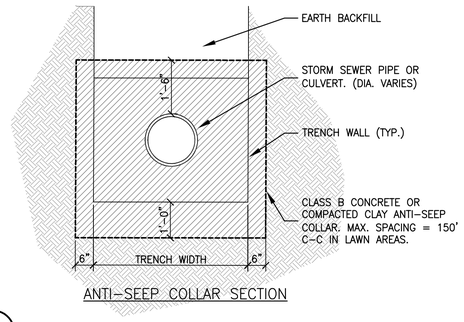
SCALE 1/2" = 1'-0"

NOTES

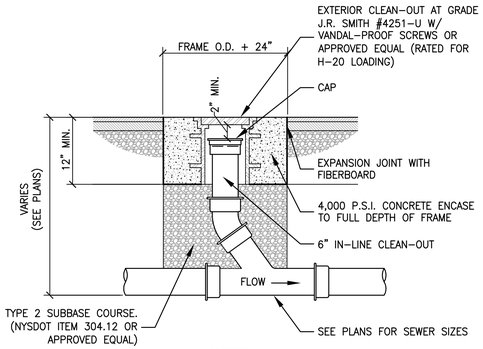
1. TRENCHING OPERATIONS SHALL INCLUDE ALL NECESSARY DEWATERING.
2. SELECT FILL (NYSDOT ITEM 304.12) IS REQUIRED BENEATH NON-PAVED AREAS ADJACENT TO PAVED AREAS IF THE 45° LINE SHOWN ABOVE INTERCEPTS THE TRENCH ABOVE THE PIPE ZONE.
3. PIPE BEDDING AND MATERIAL AROUND THE PIPE ("NO. 1 CRUSHED STONE") SHALL CONFORM TO NYSDOT TABLE 703-4, SIZE DESIGNATION 1, MATERIAL DESIGNATION 703-0201. OPTIONAL: PIPE BEDDING MATERIAL SHALL CONFORM TO CLASS I, II, OR III AS PER ASTM D 2321.
4. COMPACTED CLAY OR CLASS B CONCRETE ANTI-SEEPAGE COLLARS SHALL BE USED IN GRASS AREAS TO ELIMINATE THE POSSIBILITY OF PIPE UNDERMINING DUE TO SEEPAGE THROUGH THE PIPE ZONE. (SEE DETAIL RIGHT).
5. IF SOFT MATERIALS OF POOR LOAD-BEARING QUALITY ARE FOUND AT THE BOTTOM OF THE TRENCH, STABILIZATION SHALL BE ACHIEVIED BY EXCAVATING A MINIMUM OF TWO PIPE DIAMETERS AND BACKFILLING TO THE PIPE INVERT WITH PIPE BEDDING AND COMPACTING TO 95% DENSITY AS IN NOTE 5 ABOVE.



ANTI-SEEP COLLAR PLAN



ANTI-SEEP COLLAR SECTION



SECTION

PAVED AREA CLEAN-OUT DETAIL (B)

SCALE : 3/4" = 1'-0"

NOTES

1. CLEAN-OUT BODIES SHALL BE PVC MODEL 2-115 STANDARD FERRULE TYPE AND CLEAN-OUT PLUG SHALL BE CAST IRON, S-PLAIN COUNTERSUNK AS MANUFACTURED BY TYLER PIPE, OR APP. EQUAL.
2. CLEAN-OUTS SHALL BE LOCATED NOT MORE THAN 100 FEET APART MEASURED FROM THE UPSTREAM ENTRANCE OF THE CLEAN-OUT.

THE CONTRACTOR SHALL CONTACT THE DESIGN ENGINEER BEFORE EXCAVATION & CONSTRUCTION TO ENSURE HE/SHE HAS THE FINAL SET OF DESIGN DOCUMENTS AS ISSUED FOR CONSTRUCTION. THIS PLAN IS CURRENT AS OF THE DATE IT WAS ISSUED. SUBSEQUENT UPDATES OF THIS PLAN BY THE DESIGN ENGINEER DOES NOT AFFORD ANY TRANSFEREES THE RIGHT TO RECEIVE SAID UPDATES, BUT PLACES THE RESPONSIBILITY TO THE TRANSFEREE TO OBTAIN UPDATED PLANS WHICH ARE ISSUED FOR CONSTRUCTION AS THESE MAY DIFFER FROM PREVIOUS PLANS ISSUED FOR PERMIT OR BID.

EGGERTSVILLE HOSE COMPANY
EXTERIOR SITE IMPROVEMENTS
1880 EGGERT ROAD, AMHERST, NY 14226

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FOR OFFICIAL TOWN OF AMHERST USE

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SHEET C-2.5

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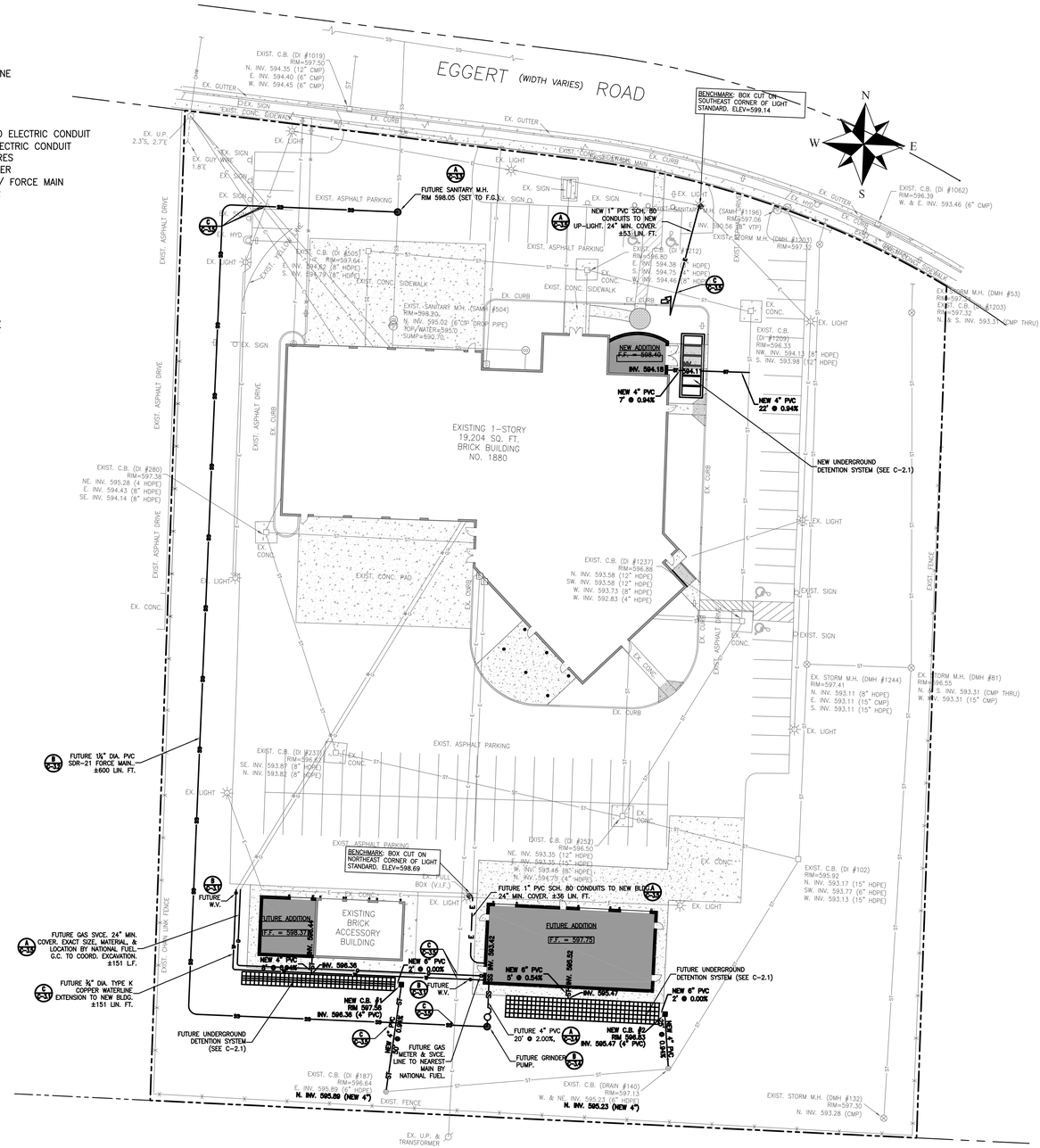
NOTES

1. FOR REFERENCE INFORMATION SEE TOPOGRAPHIC SURVEY PREPARED BY FRANDINA ENGINEERING & SURVEYING DATED FEBRUARY 7, 2024 AND IDENTIFIED AS JOB NO. 4954, INCLUDED WITH THIS SET OF SITE PLANS.
2. FOR REFERENCE ALSO SEE EXACT UTILITY CONNECTION LOCATIONS AND DEPTHS ON ARCHITECTURAL, MECHANICAL, ELECTRICAL, H.V.A.C., AND PLUMBING PLANS.
3. EXISTING SERVICE UTILITY CONNECTIONS TO BE ABANDONED OR DISCONTINUED SHALL BE SHUT OFF BY THE RESPECTIVE UTILITY AGENCY PRIOR TO THE START OF WORK.
4. EXISTING UNDERGROUND UTILITY LINES TO REMAIN WHICH ARE UNCOVERED BY EXCAVATION SHALL BE ADEQUATELY SUPPORTED AND PROTECTED DURING EARTHWORK ACTIVITIES.
5. THE CONTRACTOR SHALL PROVIDE SLEEVES THROUGH NEW FOUNDATION WALLS AS NECESSARY FOR PROTECTING EXISTING AND PROPOSED UTILITY LINES.
6. A MINIMUM 1 FOOT (12 INCH) SEPARATION DISTANCE IS REQUIRED AT WATERLINE AND SANITARY SEWER CROSSINGS, OR ELSE THE WATERLINE SHALL BE SLEEVED TO 5 FEET HORIZONTALLY FROM THE CENTERLINE OF THE SANITARY SEWER ON BOTH SIDES OF THE CROSSING. ALL WATERLINES SHALL CROSS ABOVE SANITARY SEWERS.
7. WHERE WATERLINES ARE LOCATED PARALLEL TO SANITARY SEWERS, THERE SHALL BE A MINIMUM HORIZONTAL SEPARATION DISTANCE OF 5 FEET (60 INCHES) FROM OUTSIDE OF THE WATERLINE AND THE SANITARY SEWER.
8. ALL NEW GAS, TELEPHONE (LAND LINE), CABLE (FIBEROPTIC), AND ELECTRICAL UTILITIES SHALL BE DESIGNED, SIZED, AND INSTALLED IN COORDINATION WITH EACH RESPECTIVE UTILITY AGENCY.
9. ALL NEW WATERLINE PIPING SHALL BE INSTALLED WITH A MIN. 5'-0" (60 INCH) DEPTH OF COVER.
10. THE NEW WATERLINE (INCLUDING THE NEW VALVES AND VALVE BOXES) SHALL BE INSTALLED BY THE CONTRACTOR AND PRIVATELY OWNED AND MAINTAINED.
11. PRIOR TO THE BEGINNING OF THE NEW WATER SERVICE, ALL NEW WATERLINES SHALL BE PURGED AND DISINFECTED IN CONFORMANCE WITH THE LATEST AWWA C651, AWWA C652, OR SECTION 610.1 OF THE NYS PLUMBING CODE
12. THE DESIGN ENGINEER (STUDIO T3) IS NOT RESPONSIBLE FOR ANY UTILITIES NOT SHOWN ON THE SURVEY OR ANY ACCIDENTAL RUPTURES DURING EXCAVATION OR CONSTRUCTION. THE DESIGN ENGINEER (STUDIO T3) AND THE RESPECTIVE UTILITY COMPANIES SHALL BE IMMEDIATELY NOTIFIED BY THE CONTRACTOR UPON DISCOVERY OF ANY SUCH ABOVEGROUND OR UNDERGROUND UTILITIES NOT SHOWN ON THE SURVEY. WORK SHALL BE IMMEDIATELY SUSPENDED AND NOT COMMENCE UNTIL SUCH DISCOVERED UTILITIES ARE IDENTIFIED AND THE DESIGN ENGINEER (STUDIO T3) ISSUES EITHER A WRITTEN APPROVAL OR A SIGNED REVISED PLAN. IF NECESSARY AN UNDERGROUND UTILITY SURVEY SHALL BE DONE PRIOR TO EXCAVATION AND CONSTRUCTION IN ORDER TO ELIMINATE DELAYS RESULTING FROM INTERFERENCE WITH UN-DOCUMENTED OR UN-LOCATED BURIED UTILITIES ENCOUNTERED.
13. THE DESIGN ENGINEER (STUDIO T3) SHALL BE IMMEDIATELY CONTACTED UPON DISCOVERY OF ANY ABOVEGROUND OR BELOW GROUND OBJECTS NOT SHOWN ON THE BACKGROUND SURVEY THAT ARE UNCOVERED DURING EXCAVATION OR CONSTRUCTION (BUILDING FOUNDATIONS, BURIED VAULTS, TREES, SIDEWALKS, PAVEMENT, RAILINGS, SIGNS, STOCKPILES, STUMPS, OR SIMILAR) WHICH WILL INTERFERE OR CONFLICT WITH ANY PROPOSED WORK SHOWN ON THESE PLANS. WORK SHALL BE IMMEDIATELY SUSPENDED AND NOT COMMENCE UNTIL SUCH DISCOVERED OBJECTS ARE IDENTIFIED AND THE DESIGN ENGINEER (STUDIO T3) ISSUES EITHER A WRITTEN APPROVAL OR A SIGNED REVISED PLAN.
14. ALL NEW GRAVITY SANITARY SEWERS SHALL BE PVC (SDR-35) AND SHALL CONFORM TO ASTM D 3034, ASTM D 2665, ASTM D 2949, ASTM F 891, CSA B182.2, OR CAN/CSA-B182.4 STANDARDS.
15. ALL NEW COPPER WATERLINES SHALL MEET OR EXCEED THE LATEST ASTM B 75, B 88, B 251, OR B 447 SPECIFICATIONS, AS WELL AS NSF 61.
16. ALL NEW WATERLINES, VALVES, AND APPURTENANCES THAT ARE IN CONTACT WITH POTABLE WATER SHALL BE NSF/ANSI 61 CERTIFIED.
17. NATIONAL FUEL SHALL SUPPLY, INSTALL, OWN, AND MAINTAIN THE NEW GAS METER. NYSEG/NATIONAL FUEL SHALL ALSO TAP, INSTALL, AND OWN THE NEW GAS SERVICE LINE FROM MAIN TO NEW METER. THE CONTRACTOR SHALL CONTACT NATIONAL FUEL FOR INSTRUCTIONS, INSTALLATION COORDINATION, INSPECTION APPOINTMENTS, PERMIT APPLICATIONS, AND FEES.
18. NATIONAL GRID SHALL SUPPLY THE NEW ELECTRIC SUB-METER. THE CONTRACTOR SHALL INSTALL THE NEW ELECTRIC SUB-METER AND ELECTRIC CONDUITS IN COORDINATION WITH NATIONAL GRID. NATIONAL GRID SHALL ALSO TAP THE NEW SERVICE TO THE NEAREST EXISTING HAND HOLE / CONDUIT. THE CONTRACTOR SHALL CONTACT NATIONAL GRID FOR INSTRUCTIONS, INSTALLATION COORDINATION, INSPECTION APPOINTMENTS, PERMIT APPLICATIONS, AND FEES.
19. THE CONTRACTOR SHALL MAINTAIN A MINIMUM 12" VERTICAL SEPARATION DISTANCE BETWEEN EXISTING GAS AND ELECTRIC LINES AND NEW WATERLINES, STORM, OR SANITARY SEWERS. ALL NEW UNDERGROUND UTILITIES SHALL PASS BENEATH EXISTING ELECTRIC AND GAS LINES UNLESS CONSENT IS OTHERWISE GIVEN BY THE SERVICE PROVIDER OR EASEMENT OWNER.
20. THE CONTRACTOR SHALL PERFORM ALL APPLICABLE TESTS AS REQUIRED IN THE NYS PLUMBING CODE SECTIONS 312.2 THRU 312.9 AND AWWA C600.
21. ALL JOINTS OR JOINT SYSTEMS FOR SANITARY SEWERS OR LATERALS SHALL BE WATER-TIGHT TO LIMIT LEAKAGE TO A MAXIMUM RATE OF 100 GALLONS PER INCH-DIAMETER PER MILE PER DAY.
22. PER SECTION 107.2 OF THE NYS PLUMBING CODE, THE CONTRACTOR SHALL NOTIFY THE TOWN OF AMHERST PLUMBING INSPECTOR AT (716) 631-7080 TO SCHEDULE INSPECTIONS. UNDERGROUND INSPECTIONS SHALL BE MADE AFTER TRENCHES ARE EXCAVATED, PIPING INSTALLED, AND BEFORE ANY BACKFILL IS PUT IN PLACE. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO NOTIFY THE PLUMBING INSPECTOR WHEN WORK IS READY FOR INSPECTION. EQUIPMENT, MATERIAL, AND LABOR REQUIRED FOR TESTING SHALL BE FURNISHED BY THE CONTRACTOR.
23. NEW WATERLINES, FITTINGS, AND FIXTURES SHALL COMPLY WITH NSF 372 AND SHALL HAVE A WEIGHTED LEAD CONTENT OF 0.25% OR LESS.
24. THE DESIGN ENGINEER (STUDIO T3) IS NOT RESPONSIBLE FOR CONSTRUCTION SITE SAFETY AND COMPLIANCE WITH THE LATEST OSHA STANDARDS OR INDUSTRIAL CODE RULE 57 DURING CONSTRUCTION.
25. ANY DAMAGED PROPERTY WITHIN THE PROJECT SITE OR ADJACENT PROJECT SITES SHALL BE RESTORED IN KIND.
26. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TEMPORARY SHORING AND UNDERPINNING EXPOSED FOUNDATIONS ADJACENT TO EXCAVATIONS. THE STRUCTURAL ENGINEER SHALL BE CONTACTED FOR ASSOCIATED DETAILS.
27. ANY DEVIATION FROM ANY PLANS IN THIS DRAWING SET SHALL REQUIRE APPROVAL OF THE DESIGN ENGINEER (STUDIO T3) AND THE TOWN OF AMHERST PLANNING AND BUILDING DEPARTMENTS, AS WELL AS THE APPROPRIATE UTILITY COMPANIES AND SERVICE PROVIDERS. ANY AND ALL CHANGES MADE WITHOUT NOTIFICATION OR APPROVAL OF THE DESIGN ENGINEER (STUDIO T3) SHALL BE CONSIDERED UNAUTHORIZED AND THE DESIGN ENGINEER (STUDIO T3) SHALL NOT BE LIABLE FOR ANY DAMAGES, DELAYS, ADDITIONAL COSTS INCURRED, OR ANY OTHER CONSEQUENCES ARISING FROM SUCH CHANGES.
28. ALL CONTRACTORS AND SUBCONTRACTORS SHALL BE INSURED AND LICENSED IN THE STATE OF NEW YORK, THE COUNTY OF ERIE, AND THE TOWN OF AMHERST.
29. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PAYING ALL NECESSARY FEES AND OBTAINING ALL NECESSARY PERMITS PRIOR TO THE START OF CONSTRUCTION. CONTACT THE TOWN OF AMHERST BUILDING DEPARTMENT (716) 631-7080 FOR INSTRUCTIONS, PERMIT APPLICATIONS, AND FEES.

LEGEND

- EXISTING TELEPHONE LINE
- EXISTING GAS LINE
- NEW GAS LINE
- EXISTING WATERLINE
- NEW WATERLINE
- EXISTING UNDERGROUND ELECTRIC CONDUIT
- NEW UNDERGROUND ELECTRIC CONDUIT
- EXISTING OVERHEAD WIRES
- EXISTING SANITARY SEWER
- NEW SANITARY SEWER / FORCE MAIN
- EXISTING STORM SEWER
- NEW STORM SEWER
- EXISTING CATCH BASIN
- NEW CATCH BASIN
- EXISTING GAS VALVE
- NEW GAS VALVE
- EXISTING WATER VALVE
- NEW WATER VALVE
- EXISTING MANHOLE
- NEW MANHOLE
- EXISTING UTILITY POLE
- EXISTING LIGHT FIXTURE
- EXISTING FIRE HYDRANT
- EXISTING CLEAN-OUT
- NEW CLEAN-OUT



SITE UTILITY PLAN

SCALE : 1"= 30'-0"

0 30 60 120

SEWAGE LOAD = 400 GPD

FOR OFFICIAL TOWN OF AMHERST USE

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SITE UTILITY PLAN

studio T3
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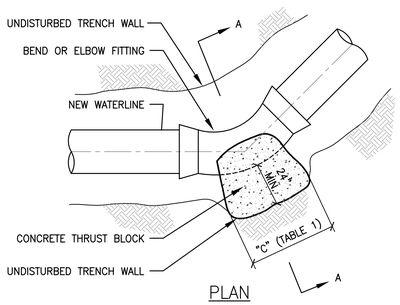
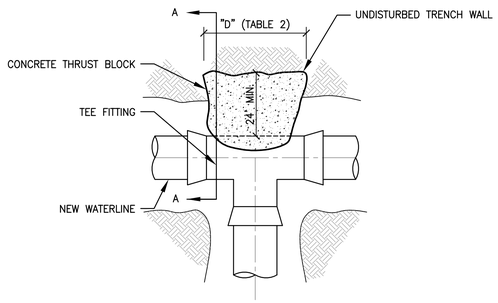
BENDS
11-¼° TO 90°



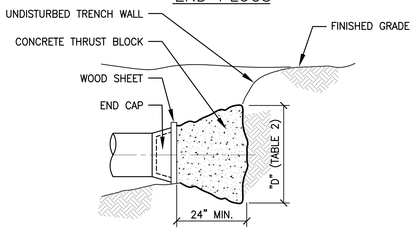
PLAN

TEES

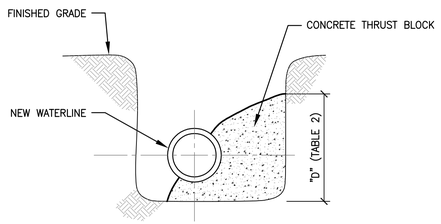


PLAN

END PLUGS



SECTION



SECTION 'A-A'

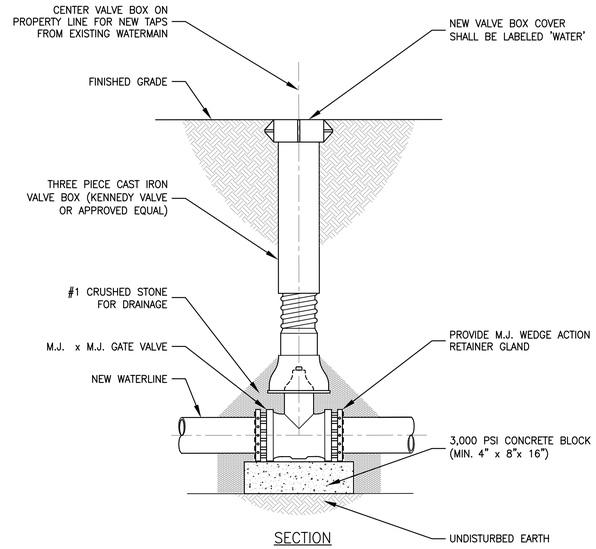
TABLE 1								
PIPE DIA. (inches)	11 1/4°-22 1/2°		22 1/2° -45°		45° - 67 1/2°		67 1/2° - 90°	
	"C" DIM.	CONC. (CU. YD.)	"C" DIM.	CONC. (CU. YD.)	"C" DIM.	CONC. (CU. YD.)	"C" DIM.	CONC. (CU. YD.)
3/4 - 6	4"	0.03	8"	0.07	12"	0.10	15"	0.14
8	6"	0.07	11"	0.14	15"	0.21	22"	0.28

TABLE 2			
PIPE DIA. (inches)	"C"	CONCRETE VOLUME (CUBIC YARDS)	
	DIM.	TEE & END PLUG	BEND
6	0-9	0.06	0.13
8	1-2	0.18	0.25

THRUST BLOCK DETAILS (A)
SCALE : 2" = 1'-0"

NOTE:

THRUST BLOCK TO BE PLACED SO AS TO ALLOW REMOVAL OF MECHANICAL JOINT BOLTS OR SLIP-ON PIPE. CLASS "A" CONCRETE 5 DAY CURE BEFORE PRESSURE TEST HIGH EARLY CLASS "F" 2 DAY CURE BEFORE PRESSURE TEST.

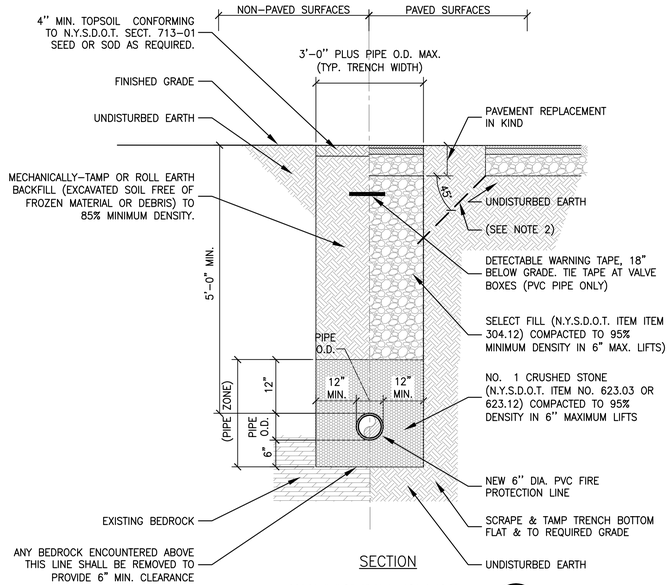


SECTION

WATER VALVE & VALVE BOX DETAIL (B)
SCALE : 1" = 1'-0"

NOTES

1. VALVE SHALL NOT SUPPORT VALVE BOX.



SECTION

WATERLINE DETAIL (C)
SCALE : 3/4" = 1'-0"

NOTES:

1. THE DESIGN ENGINEER SHALL NOT BE RESPONSIBLE FOR THE DESIGN OF TRENCH SHEETING OR SHORING REQUIRED AS PER THE LATEST O.S.H.A. STANDARDS, OR FOR WORKER SAFETY AND PROTECTION TRENCH AREAS. THE OWNER'S ON-SITE GEOTECHNICAL ENGINEER SHALL DESIGN, OBSERVE THE INSTALLATION, AND APPROVE THE TRENCH SHIELDING DURING TRENCH OPERATIONS.
2. SELECT FILL (N.Y.S.D.O.T. ITEM 304.12) IS REQUIRED FOR FULL DEPTH UNDER DRIVEWAYS, ROAD CROSSINGS, AND IF THE 45° LINE SHOWN ABOVE INTERCEPTS THE TRENCH ABOVE THE PIPE ZONE.
3. PIPE BEDDING AND MATERIAL AROUND THE PIPE ("NO. 1 CRUSHED STONE") SHALL CONFORM TO N.Y.S.D.O.T. TABLE 703-4, SIZE DESIGNATION 1, MATERIAL DESIGNATION 702-0201. OPTIONAL: CLASS I, II, OR III MATERIALS AS PER ASTM D 2321
4. IF SOFT MATERIALS OF POOR LOAD-BEARING QUALITY ARE FOUND AT THE BOTTOM OF THE TRENCH, STABILIZATION SHALL BE ACHIEVING BY EXCAVATING A MINIMUM OF TWO PIPE DIAMETERS AND BACKFILLING TO THE PIPE INVERT WITH PIPE BEDDING AND COMPACTING TO 95% MINIMUM PROCTOR DENSITY.

FOR OFFICIAL TOWN OF AMHERST USE

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EGGERTSVILLE HOSE COMPANY
EXTERIOR SITE IMPROVEMENTS
1880 EGGERT ROAD, AMHERST, NY 14226

STAMP/SEAL

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2	ISSUED FOR SITE PLAN REV.	1/21/25
3	ISSUED FOR CLIENT REVIEW	1/3/25

WATERLINE DETAILS

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Fax: (716) 810-9504

DRAWN BY: AVT
CHECKED BY: TS
JOB # 23-194A

SHEET C-3.1

Attachment: SP-1994-18_B_drawings_062625 (29950 : SP-1994-18B, 1880 Eggert Road)

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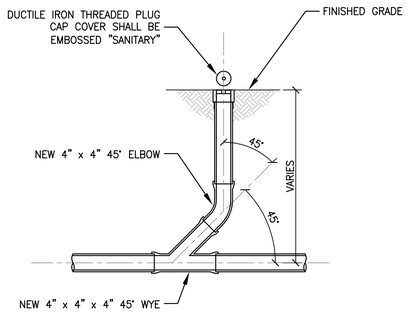


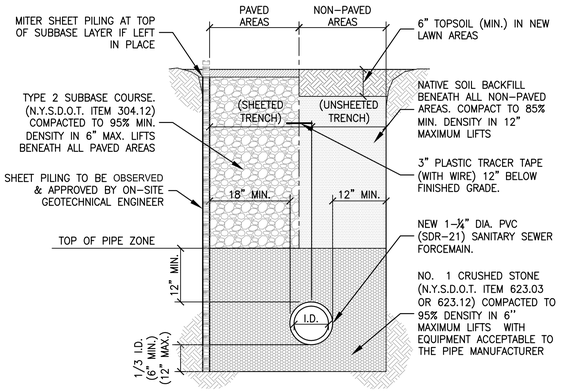
SECTION

SANITARY CLEAN–OUT DETAIL (A)

SCALE : 1/2" = 1'–0"

NOTES:

1. CLEAN–OUT BODIES SHALL BE PVC MODEL 2–115 STANDARD FERRULE TYPE AND CLEAN–OUT PLUG SHALL BE CAST IRON, S–PLAIN COUNTERSUNK AS MANUFACTURED BY TYLER PIPE, OR APP. EQUAL.
2. IN TRAFFIC AREAS A CONCRETE COLLAR SHALL BE POURED AROUND THE CLEAN–OUT.
3. CLEAN–OUTS SHALL BE LOCATED NOT MORE THAN 100 FEET APART MEASURED FROM THE UPSTREAM ENTRANCE OF THE CLEAN–OUT.



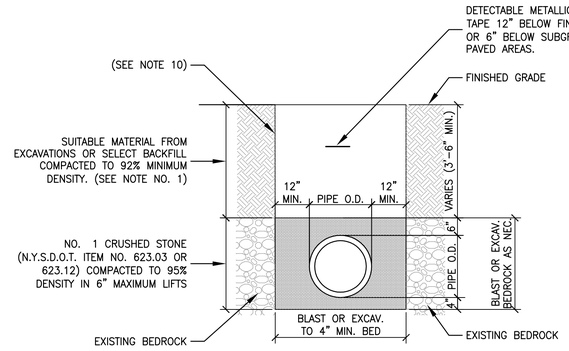
SECTION

FORCEMAIN DETAIL (B)

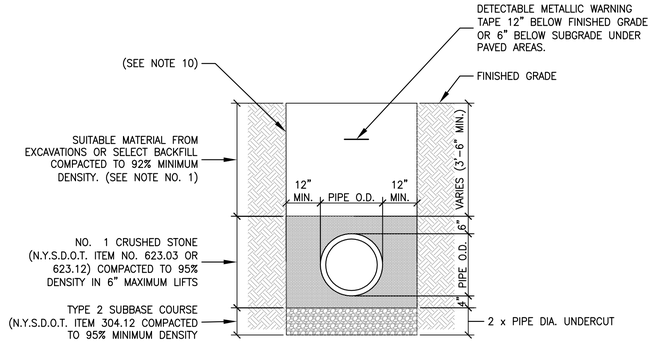
SCALE : 3/4" = 1'–0"

NOTES:

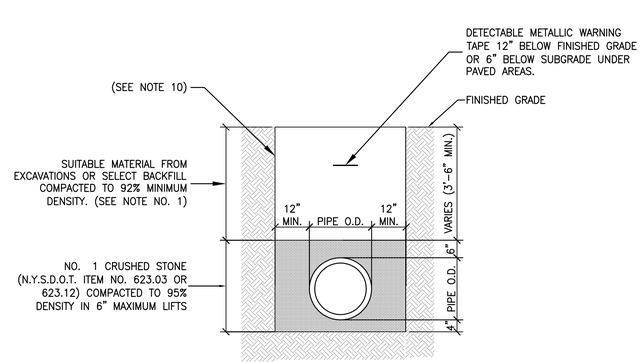
1. PIPE INSTALLATION SHALL BE IN CONFORMANCE TO MANUFACTURER'S INSTALLATION INSTRUCTIONS.
2. FORCE MAIN MARKERS SHALL BE INSTALLED AT 500 FOOT INTERVALS AND AT POINTS WHERE THE FORCE MAIN DEFLECTS OR CHANGES DIRECTIONS.
3. THE DESIGN ENGINEER SHALL NOT BE RESPONSIBLE FOR THE DESIGN OF TRENCH SHEETING OR SHORING REQUIRED AS PER THE LATEST O.S.H.A. STANDARDS, OR FOR WORKER SAFETY AND PROTECTION TRENCH AREAS. THE OWNER'S ON–SITE GEOTECHNICAL ENGINEER SHALL DESIGN, OBSERVE THE INSTALLATION, AND APPROVE THE TRENCH SHIELDING DURING TRENCH OPERATIONS.
4. PIPE BEDDING AND MATERIAL AROUND THE PIPE ("NO. 1 CRUSHED STONE") SHALL CONFORM TO N.Y.S.D.O.T. TABLE 703–4, SIZE DESIGNATION 1, MATERIAL DESIGNATION 702–0201. SLAG SHALL NOT BE ALLOWED. OPTIONAL: PIPE BEDDING MATERIAL SHALL CONFORM TO CLASS I, II, OR III AS PER ASTM D 2321.



BEDROCK CONDITION



UNSTABLE TRENCH BOTTOM CONDITIONS



STABLE TRENCH BOTTOM CONDITIONS

SANITARY SEWER TRENCH DETAILS (C)

SCALE : 1/2" = 1'–0"

SANITARY SEWER NOTES

1. MATERIALS
   a. BEDDING MATERIAL AND MATERIAL AROUND PIPE ("NO. 1 CRUSHED STONE") SHALL CONFORM TO THE GRADATION IN N.Y.S.D.O.T. TABLE 703–4, SIZE DESIGNATION 1, MATERIAL DESIGNATION 702–0201. OPTIONAL: PIPE BEDDING MATERIAL SHALL CONFORM TO CLASS I, II, OR III AS PER ASTM D 2321.
   b. UNDER ALL PAVED AREAS, BACKFILL ABOVE THE BEDDING MATERIAL SHALL BE WITH SELECT FILL.
   c. SELECT FILL SHALL BE TYPE 2 SUBBASE COURSE (N.Y.S.D.O.T. ITEM 304.12) COMPACTED TO 95% MINIMUM DENSITY IN 6" MAXIMUM LIFTS.
   d. UNDER LAWN AREAS, BACKFILL ABOVE THE BEDDING MATERIAL MAY BE WITH SUITABLE MATERIAL FROM THE EXCAVATIONS.
   e. SUITABLE MATERIAL FROM THE EXCAVATIONS SHALL BE ANY MINERAL (INORGANIC) SOIL FREE OF FROZEN MATERIAL, MUCK, PEAT, TOPSOIL, AND SOD.
   f. WHEN UNSTABLE TRENCH BOTTOM CONDITIONS ARE ENCOUNTERED,THE UNSTABLE TRENCH BOTTOMS SHALL BE UNDERCUT AND BACKFILLED WITH TYPE 2 SUBBASE COURSE (N.Y.S.D.O.T. ITEM NO. 304.12) COMPACTED TO 95% MIN. DENSITY, OR AS DIRECTED BY OWNER'S ON–SITE GEOTECHNICAL ENGINEER.
2. COMPACTION IS REQUIRED FOR ALL BEDDING, SELECT FILL AND BACKFILL WORK. SEE DETAILS AND SPECIFICATIONS FOR REQUIREMENTS.
3. ALL SANITARY SEWER MANHOLE COVERS SHALL BE EMBOSSED"SANITARY" AND "FATAL IF ENTERED".
4. ALL INTERIOR FLOOR DRAINS SHALL BE CONNECTED TO THE SANITARY SEWER. FOUNDATION OR FOOTER DRAINS INSTALLED TO INTERCEPT GROUNDWATER SHALL NOT DISCHARGE TO THE SANITARY SEWER. ALL DISCHARGES TO THE SANITARY SEWER MUST COMPLY WITH THE EFFLUENT LIMITS OF THE LOCAL SEWER USE LAW. INFILTRATION AND EXFILTRATION TESTING SHALL BE PERFORMED WITH RATES LIMITED TO 100 GALLONS PER MILE PER INCH DIAMETER OF PIPE PER 24 HOURS FOR SANITARY SEWERS.
5. DEFLECTION AND INFILTRATION TESTS SHALL BE PERFORMED PER NYS PLUMBING CODES.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING PROPOSED RIM ELEVATIONS IN RELATION TO FINISHED GRADES PRIOR TO INSTALLATION.
7. PIPE CONNECTIONS TO SANITARY SEWER MANHOLES SHALL CONFORM TO THE LATEST A.S.T.M. C–923 ("RESILIENT CONNECTORS BETWEEN REINFORCED CONCRETE MANHOLE STRUCTURES AND PIPE").
8. ALL SANITARY SEWER PIPE AND FITTINGS SHALL BE PVC SDR–35 AND SHALL CONFORM TO THE LATEST A.S.T.M. D–3034.
9. THE DESIGN ENGINEER SHALL NOT BE RESPONSIBLE FOR THE DESIGN OF TRENCH SHEETING OR SHORING REQUIRED AS PER THE LATEST O.S.H.A. STANDARDS, OR FOR WORKER SAFETY AND PROTECTION TRENCH AREAS.
10. COMPRESSION GASKETS FOR HUB AND SPIGOT PIPE AND FITTINGS SHALL CONFORM TO THE LATEST ASTM C 564 AND SHALL BE COMPRESSED WHEN THE PIPE IS FULLY INSERTED.
11. JOINTS BETWEEN DIFFERENT PIPE MATERIALS SHALL BE MADE WITH AN INSERTA–TEE (OR APPROVED EQUAL) CONNECTION WITH AN ELASTOMERIC SEAL CONFORMING TO THE LATEST ASTM C 425, ASTM C 443, ASTM C 564, ASTM C 1173, ASTM D 1869, ASTM F 477, CAN/CSA A257.3M, OR CAN/CSA B602M.
12. THE FOLLOWING TYPES OF JOINTS AND CONNECTIONS SHALL BE PROHIBITED: CEMENT OR CONCRETE JOINTS, MASTIC OR HOT–POUR BITUMINOUS JOINTS, ELASTOMERIC ROLLING O–RING JOINTS, SOLVENT–CEMENT JOINTS, OR SADDLE–TYPE FITTINGS.

TESTING SPECIFICATIONS

1. DEFLECTION TEST
   a. DEFLECTION TESTS SHALL BE PERFORMED ON ALL FLEXIBLE PIPE IN CONFORMANCE WITH THE LATEST 10–STATE (G.L.U.M.R.B) STANDARDS.
   b. THE DEFLECTION TEST SHALL NOT BE CONDUCTED UNTIL THE FINAL BACKFILL OVER THE PIPE HAS BEEN IN PLACE FOR AT LEAST 30 DAYS.
   c. NO PIPE SHALL EXCEED A DEFLECTION OF 5 PERCENT. IF DEFLECTION EXCEEDS 5 PERCENT, REPLACEMENT SHALL BE ACCOMPLISHED AS PER APPROVED DETAILS AND SPECIFICATIONS, AND THE DEFLECTION TEST RE–PERFORMED.
   d. THE RIGID BALL OR MANDREL USED FOR THE DEFLECTION TEST SHALL HAVE A DIAMETER OF NOT LESS THAN 95 PERCENT OF THE BASE INSIDE DIAMETER OR AVERAGE INSIDE DIAMETER OF THE PIPE (DEPENDING ON WHICH IS SPECIFIED IN THE ASTM SPECIFICATION OR APPENDIX OF THE CUT SHEET SUPPLIED BY THE PIPE MANUFACTURER). THE DEFLECTION TEST SHALL BE PERFORMED WITHOUT MECHANICAL PULLING DEVICES.
2. HYDROSTATIC TEST
   a. AN EXFILTRATION (OR INFILTRATION TEST DEPENDING ON LOCATION OF THE GROUNDWATER TABLE) SHALL BE PERFORMED WITH A MINIMUM POSITIVE HEAD OF 2 FEET (600 mm.) IN CONFORMANCE WITH THE LATEST 10–STATE (G.L.U.M.R.B) STANDARDS.
   b. THE SYSTEM OPENINGS SHALL BE CLOSED, FILLED WITH WATER, AIR PURGED, THEN REFILLED WITH WATER. FOLLOWING REFILL THE WATER SUPPLY SHALL BE DISCONNECTED AND THE SYSTEM JOINTS INSPECTED FOR LEAKS.
   c. MAXIMUM ALLOWABLE LEAKAGE IS 100 GALLONS PER INCH OF NOMINAL PIPE SIZE PER MILE OF PIPE PER 24–HOUR DAY (9.2 LITRES PER MILLIMETER OF NOMINAL PIPE SIZE PER KILOMETER OF PIPE PER 24–HOUR DAY).
   d. DUCTILE IRON PIPING SHALL BE TESTED IN CONFORMANCE WITH AWWA C600, "HYDROSTATIC TESTING" SECTION USING A TEST PRESSURE OF AT LEAST 10 PSIg (69 kPa).
3. AIR TEST
   a. AS A MINIMUM, THE AIR TEST SHALL CONFORM TO THE LATEST ASTM C–828 FOR CLAY PIPE, THE LATEST ASTM C 924 FOR CONCRETE PIPE, THE LATEST ASTM F–1417 FOR PLASTIC PIPE, OR FOR OTHER MATERIALS AS DIRECTED BY THE REGULATORY AGENCY.
   b. AIR TESTING OF ALL NEW CONCRETE MANHOLES SHALL CONFORM TO THE LATEST ASTM C–1244.

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EGGERTSVILLE HOSE COMPANY
EXTERIOR SITE IMPROVEMENTS
1880 EGGERT ROAD, AMHERST, NY 14226

STAMP/SEAL

4	REV. PER SITE PLAN REVIEW	5/28/25
3	ISSUED FOR SITE PLAN REV.	1/21/25
2	ISSUED FOR CLIENT REVIEW	1/3/25

SANITARY DETAILS

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DRAWN BY: AVT
CHECKED BY: TS
JOB # 23–194A

SHEET
C–3.2

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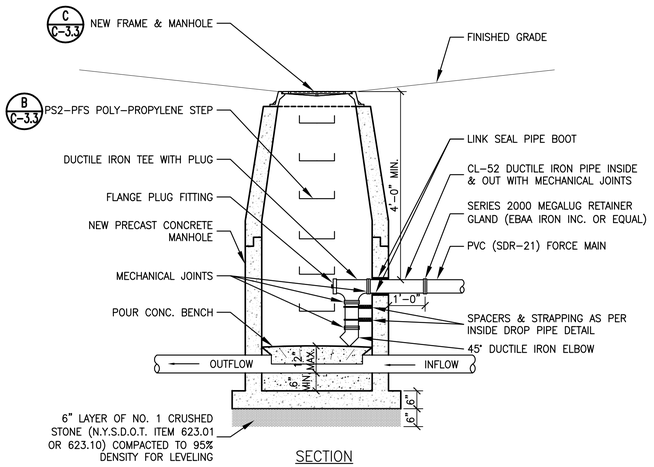


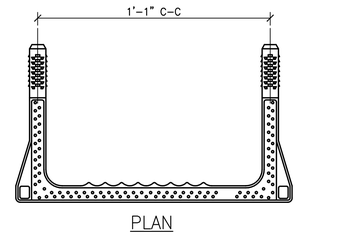
SECTION

FORCE MAIN – MANHOLE CONNECTION DETAIL (A)

SCALE : 1/2" = 1'-0"

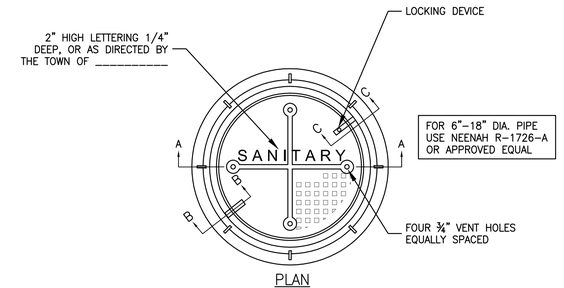
NOTES:

1. MANHOLE STEPS SHALL BE STEEL REINFORCED COPOLYMER POLYPROPYLENE.
2. THE STEPS SHALL BE EMBEDDED INTO THE WALLS OF THE CONCRETE MANHOLE BARREL WHILE IT IS BEING CAST, OR ELSE SECURELY GROUTED INTO PLACE AFTER CASTING.
3. USE KISTNER PS2-PFS MANHOLE STEP OR APPROVED EQUAL.
4. COPOLYMER POLYPROPYLENE SHALL COMPLY WITH THE LATEST A.S.T.M. 2146-82, TYPE II, GRADE 43758.
5. STEEL: DEFORMED 1/2" REINFORCED BAR GRADE 60-60 K.S.I. (A.S.T.M. A615).
6. DESIGN LOADING: VERTICAL LOAD: 800 lbs. MINIMUM. PULLOUT: 1,500 lbs. MINIMUM. IMPACT: 300 FT.-lbs PER MINUTE.
7. ALL STAIRS SHALL MEET OR EXCEED THE LATEST A.S.T.M. C478-85A, C497-85, O.S.H.A. DEC. '84, APRIL '86, N.Y.S.D.O.T. APPROVED, N.Y.S.O.G.S. APPROVED.



MANHOLE STEP DETAIL (B)

SCALE : 3" = 1'-0"



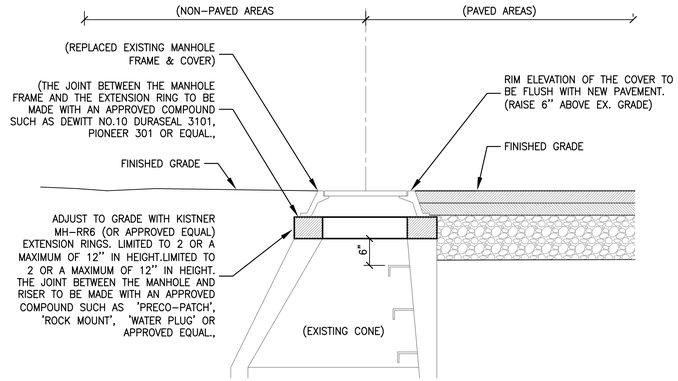
PIPE SIZE	DIMENSION "A"	DIMENSION "B"	DIMENSION "C"
6" THRU 18"	24"	22-1/4"	34-21/32"
OVER 18"	32"	30"	46"

STANDARD FRAME AND COVER NOTES

1. MATERIAL A.S.T.M. A48 CLASS 30B CAST IRON.
2. UNIT MUST WITHSTAND H-20 WHEEL LOADING.
3. ALL DIMENSIONS ARE TO BE CONSIDERED MINIMUM WITH THE EXCEPTION OF THE COVER, WHICH MUST CONFORM EXACTLY TO MAINTAIN INTERCHANGEABILITY WITHIN THE COUNTY.
4. FRAMES AND COVERS SHALL HAVE MACHINED BEARING SURFACES.
5. LOCKING DEVICE MUST BE SITUATED TO ALLOW EASY REMOVAL OF COVER.
6. FRAMES AND COVERS SHALL BE GAS TIGHT AS PER SECT. 708.3.6 OF THE NYS PLUMBING CODE.

SANITARY MANHOLE FRAME & COVER DETAIL (C)

SCALE : 1" = 1'-0"



SECTION

MANHOLE EXTENSION DETAIL (D)

SCALE 3/4" = 1'-0"

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DRAWN BY: AVT
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JOB # 23-194A

SHEET C-3.3

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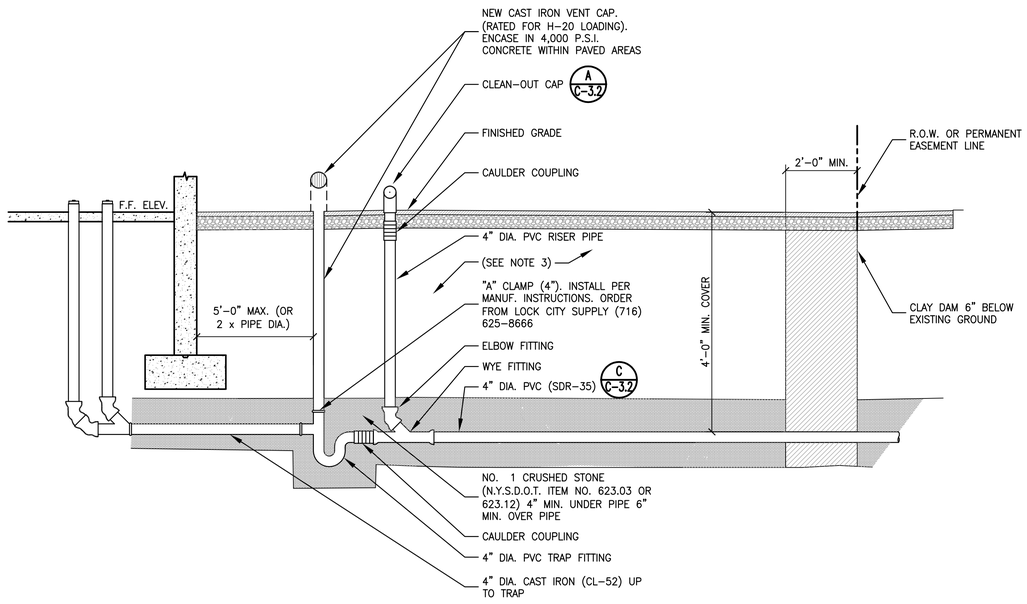


PROFILE

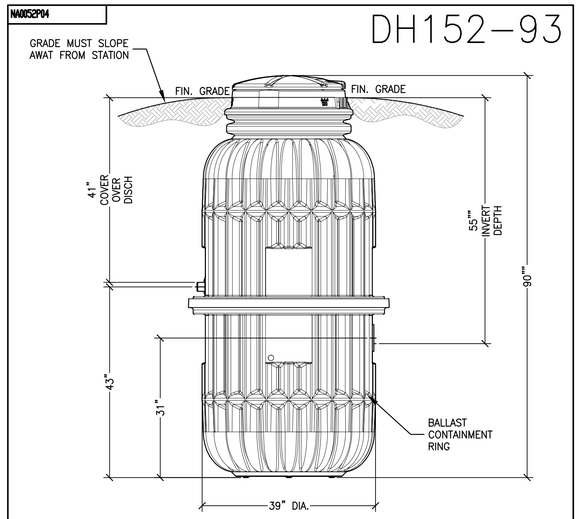
SANITARY SEWER LATERAL DETAIL — A

SCALE : 1/2" = 1'-0"

NOTES:

1. THE SERVICE LATERAL MUST BE INSTALLED A MINIMUM OF 10" ABOVE THE BASEMENT FLOOR, (IF BUILDING CONTAINS A BASEMENT). WHERE LOCAL BUILDING ORDINANCES REQUIRE A GREATER DISTANCE, THE CONTRACTORS ARE TO COMPLY WITH THE MORE STRINGENT.
2. PVC PIPE MATERIAL SHALL BE MANUFACTURED IN ACCORDANCE WITH THE REQUIREMENTS OF THE LATEST A.S.T.M. SPECIFICATION D-3033/D-3034. CAST IRON PIPE MATERIAL SHALL BE EXTRA HEAVY CAST IRON MEETING THE REQUIREMENTS OF A.S.T.M. A74-42.
3. SELECT BACKFILL (TYPE 2 SUBBASE COURSE) REQUIRED UNDER PAVED AREAS.
4. CONCRETE ENCASEMENT IS REQUIRED FOR SEWERS WITH LESS THAN 4 FEET OF COVER UNDER PAVED AREAS.
5. BEDDING MATERIAL AND MATERIAL AROUND PIPE ("NO. 1 CRUSHED STONE") SHALL CONFORM TO THE GRADATION IN N.Y.S.D.O.T. TABLE 703-4, SIZE DESIGNATION 1, MATERIAL DESIGNATION 702-0201. OPTIONAL: PIPE BEDDING MATERIAL SHALL CONFORM TO CLASS I, II, OR III AS PER ASTM D 2321.
6. THE DESIGN ENGINEER SHALL NOT BE RESPONSIBLE FOR THE DESIGN OF TRENCH SHEETING OR SHORING REQUIRED AS PER THE LATEST O.S.H.A. STANDARDS, OR FOR WORKER SAFETY AND PROTECTION TRENCH AREAS. THE OWNER'S ON-SITE GEOTECHNICAL ENGINEER SHALL DESIGN, OBSERVE THE INSTALLATION, AND APPROVE THE TRENCH SHIELDING DURING TRENCH OPERATIONS.

NA0052P04



CONCRETE BALLAST MAY BE REQUIRED
SEE INSTALLATION INSTRUCTIONS FOR DETAILS
NOTE: DIMENSIONS ARE FOR REFERENCE ONLY
DISCHARGE: 1-1/4" FEMALE PIPE THREAD
INLET: EPDM GROMMET FOR 4" DWV PIPE (STANDARD)

JVL	JS	6/26/2024	JJ	1:6
DR BY	CHK'D	DATE	ISSUE	SCALE

eone SEWER SYSTEMS

MODEL DH152-93

NA0052P04

GRINDER PUMP DETAIL — B

SCALE :3/4" = 1'-0"

FOR OFFICIAL TOWN OF AMHERST USE

THE CONTRACTOR SHALL CONTACT THE DESIGN ENGINEER BEFORE EXCAVATION & CONSTRUCTION TO ENSURE HE/SHE HAS THE FINAL SET OF DESIGN DOCUMENTS AS ISSUED FOR CONSTRUCTION. THIS PLAN IS CURRENT AS OF THE DATE IT WAS ISSUED. SUBSEQUENT UPDATES OF THIS PLAN BY THE DESIGN ENGINEER DOES NOT AFFORD ANY TRANSFEREES THE RIGHT TO RECEIVE SAID UPDATES, BUT PLACES THE RESPONSIBILITY TO THE TRANSFEREES TO OBTAIN UPDATED PLANS WHICH ARE ISSUED FOR CONSTRUCTION AS THESE MAY DIFFER FROM PREVIOUS PLANS ISSUED FOR PERMIT OR BID.

EGGERTSVILLE HOSE COMPANY
EXTERIOR SITE IMPROVEMENTS
1880 EGGERT ROAD, AMHERST, NY 14226

STAMP/SEAL

6	REV. PER SITE PLAN REVIEW	5/28/25
5	ISSUED FOR SITE PLAN REV.	1/21/25
4	ISSUED FOR CLIENT REVIEW	1/3/25

SANITARY DETAILS

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DRAWN BY: AVT
CHECKED BY: TS
JOB # 23-194A

SHEET C-3.4

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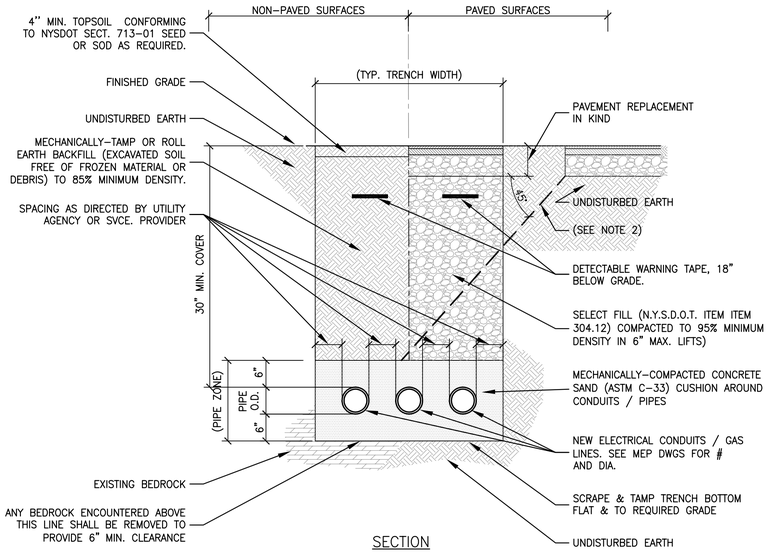
Attachment: SP-1994-18_B_drawings_062625 (29950 : SP-1994-18B, 1880 Eggert Road)



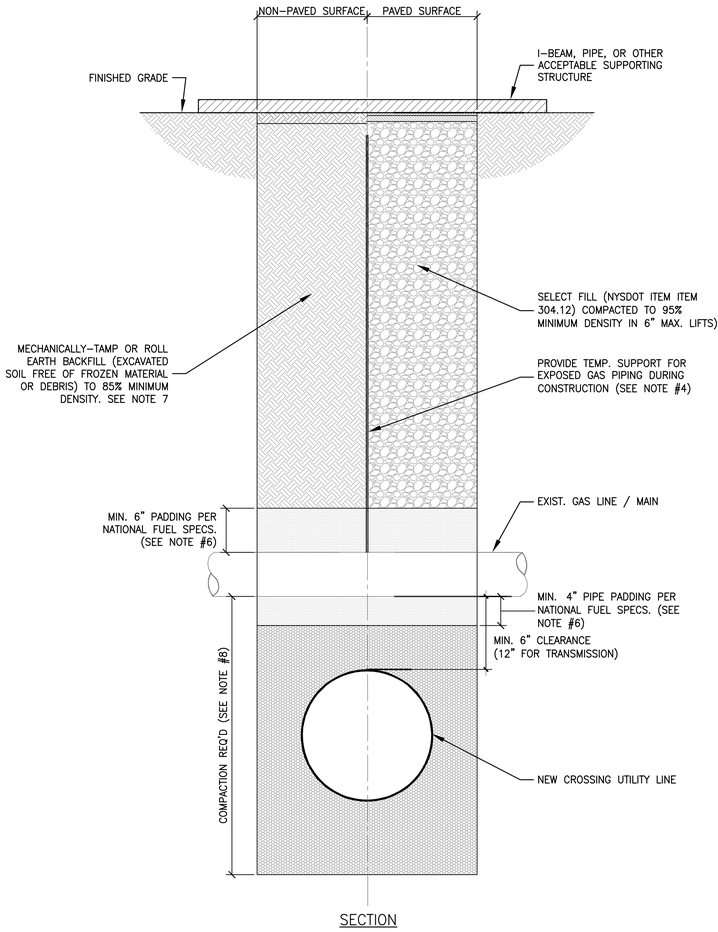
SECTION

UTILITY TRENCH DETAIL (A)

SCALE : 3/4" = 1'-0"

NOTES:

1. THE DESIGN ENGINEER SHALL NOT BE RESPONSIBLE FOR THE DESIGN OF TRENCH SHEETING OR SHORING REQUIRED AS PER THE LATEST O.S.H.A. STANDARDS, OR FOR WORKER SAFETY AND PROTECTION TRENCH AREAS. THE OWNER'S ON-SITE GEOTECHNICAL ENGINEER SHALL DESIGN, OBSERVE THE INSTALLATION, AND APPROVE THE TRENCH SHIELDING DURING TRENCH OPERATIONS.
2. SELECT FILL (N.Y.S.D.O.T. ITEM 304.12) IS REQUIRED FOR FULL DEPTH UNDER DRIVEWAYS, ROAD CROSSINGS, AND IF THE 45° LINE SHOWN ABOVE INTERCEPTS THE TRENCH ABOVE THE PIPE ZONE.
3. IF SOFT MATERIALS OF POOR LOAD-BEARING QUALITY ARE FOUND AT THE BOTTOM OF THE TRENCH, STABILIZATION SHALL BE ACHIEVED BY EXCAVATING A MINIMUM DEPTH EQUAL TO TWO PIPE DIAMETERS AND BACKFILLING UP TO THE PIPE INVERT WITH PIPE BEDDING AND COMPACTING TO 95% DENSITY.



SECTION

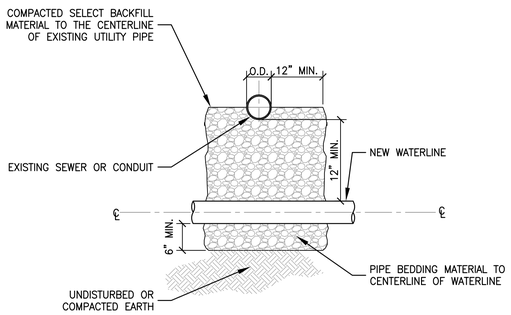
GAS LINE CROSSING DETAIL (B)

SCALE : 3/4" = 1'-0"

DETAIL FURNISHED BY NATIONAL FUEL

NOTES

1. PRIOR TO ANY EXCAVATION WORK, DAMAGE PREVENTION LAWS REQUIRE PERSONS TO MAKE CONTACT WITH THE APPROPRIATE ONE-CALL SYSTEM BY CALLING 811 OR IN NEW YORK, 1-800-962-7962.
2. IF A NATURAL GAS FACILITY IS DAMAGED RESULTING IN A RELEASE OF NATURAL GAS, IMMEDIATELY CALL 911 AND THE NATIONAL FUEL EMERGENCY NUMBER 1-800-444-3130
3. IF A NATURAL GAS LINE IS SCRATCHED, GOUGED, DENTED, PULLED, OR BOWED DURING EXCAVATION WORK OR THE PROTECTIVE COATING IS DAMAGED, IMMEDIATELY CALL THE NATIONAL FUEL EMERGENCY NUMBER 1-800-444-3130 TO SET UP A REPAIR OF DAMAGE.
4. NATIONAL FUEL REQUIRES THAT EXCAVATORS SUPPORT EXISTING GAS LINES AND GAS MAINS DURING CONSTRUCTION. THE SUPPORT SHALL BE MAINTAINED THOUGHT CONSTRUCTION AND BACKFILL OPERATIONS IN ORDER TO PROTECT THE EXISTING GAS SERVICES FROM SETTLEMENT AND TRAFFIC LOADS. CONTACT NATIONAL FUEL FOR SUPPORT DETAILS AND RECOMMENDATION AND FOR INSPECTION WHERE EXISTING GAS PIPING WILL BE EXPOSED FOR A LENGTH OF 15 FEET OR GREATER, OR WHEREVER A GAS PIPE COUPLING OR FITTING IS EXPOSED.
5. UNDERGROUND UTILITIES AND OTHER STRUCTURES PLACE NEAR NATIONAL FUEL GAS SERVICE LINES OR MAINS MUST MAINTAIN A MINIMUM CLEARANCE OF 12 INCHES FOR TRANSMISSION PIPELINE CROSSINGS, AND 6 INCHES FOR DISTRIBUTION MAINS AND SERVICES. ANY METALLIC STRUCTURE PLACED NEAR STEEL PIPELINES REQUIRES THE INSTALLATION OF AN ELECTRIC TEST STATION.
6. BACKFILL MATERIAL AROUND NATIONAL FUEL HAS SERVICES SHALL BE CLEAN DIRT FREE OF SHALE OR SHARP STONES, OR ROUND STONES NO LARGER THAN 1 INCH IN DIAMETER. ACCEPTABLE BACKFILL MATERIALS ARE SAND, LIMESTONE SCREENINGS ALL PASSING THE NO. 40 AND NO. 200 SIEVE, A 50% BLEND OF NO 1A GRAVEL AND SAND, OR NO 1A ROUND GRAVEL.
7. FILL MATERIAL BEYOND THE SELECT BACKFILL SHALL BE FREE OF LOGS, CINDERS, STUMPS, SKIDS, BRUSH, OR ROCKS LARGER THAN 12 INCHES.
8. BACKFILL MATERIAL BENEATH AND AROUND ANY UNDERGROUND GAS FACILITY SHALL BE PROPERLY COMPACTED AS SHOWN ON THE ADJACENT DETAIL.
9. HEAVY LOADS AND EXCESSIVE FORCES SHALL NOT BE IMPOSED ON GAS SERVICE LINES AT ANY TIME DURING EXCAVATION, CONSTRUCTION, OR BACKFILLING OPERATIONS.
10. #10 OR #12 LOCATING WIRE IS BURIED ALONG THE SIDE OF MOST PLASTIC GAS MAINS AND SERVICE LINES. HEAVIER CABLES (PART OF CATHODIC PROTECTION SYSTEMS) MAY ALSO BE FOND NEAR SOME STEEL PIPE FACILITIES. IF ANY WIRE OR CABLE IS DAMAGED IT MUST BE IMMEDIATELY REPORTED TO NATIONAL FUEL.



SECTION

PIPE CROSSING DETAILS (C)

SCALE : 3/4" = 1'-0"

NOTES:

1. ALL EXISTING UTILITIES MUST BE SUPPORTED DURING CONSTRUCTION OF THE NEW FIRE LINE. COST SHALL BE INCLUDED IN PIPE PRICE.
2. WHEN CROSSING A SEWER LINE WITH A NEW WATERLINE, ONE FULL PIPE LENGTH (18 FT. MIN.) SHALL BE USED AT THE POINT OF CROSSING. THE PIPE LINE SHALL BE PLACED SO THAT BOTH JOINTS ENDS ARE AS FAR AS POSSIBLE FROM THE EXISTING SEWER.

THE CONTRACTOR SHALL CONTACT THE DESIGN ENGINEER BEFORE EXCAVATION & CONSTRUCTION TO ENSURE HE/SHE HAS THE FINAL SET OF DESIGN DOCUMENTS AS ISSUED FOR CONSTRUCTION. THIS PLAN IS CURRENT AS OF THE DATE IT WAS ISSUED. SUBSEQUENT UPDATES OF THIS PLAN BY THE DESIGN ENGINEER DOES NOT AFFORD ANY TRANSFEREES THE RIGHT TO RECEIVE SAID UPDATES, BUT PLACES THE RESPONSIBILITY TO THE TRANSFEREES TO OBTAIN UPDATED PLANS WHICH ARE ISSUED FOR CONSTRUCTION AS THESE MAY DIFFER FROM PREVIOUS PLANS ISSUED FOR PERMIT OR BID.

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FOR OFFICIAL TOWN OF AMHERST USE

UTILITY DETAILS

studio T3
Engineering, PLLC
2495 Main Street, Suite 301
Buffalo, New York 14214
Phone: (716) 803-6400
Fax: (716) 810-9604

DRAWN BY: AVT
CHECKED BY: TS
JOB # 23-194A

SHEET C-3.5

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PLANT LIST: NEW PLANT MATERIAL

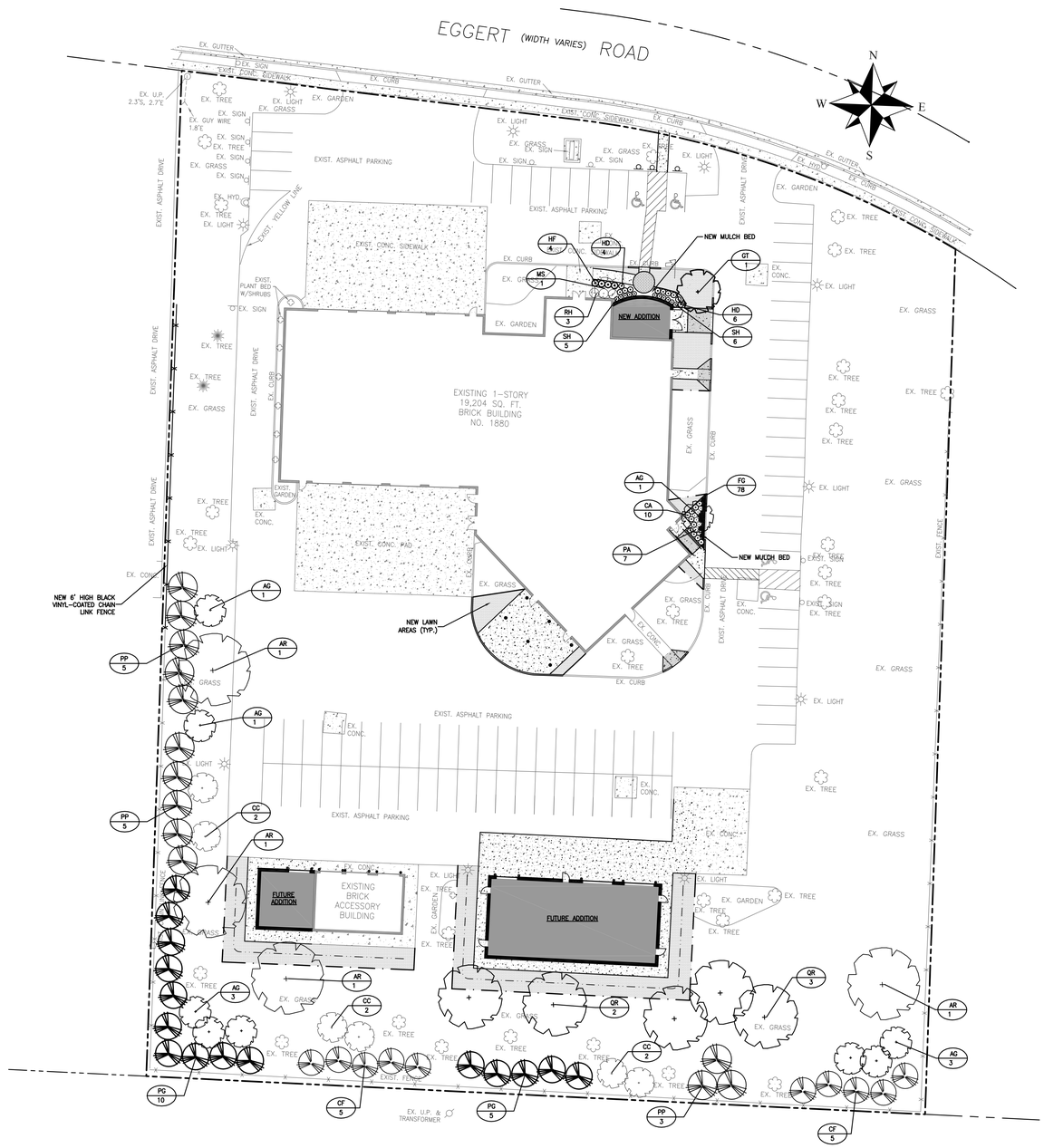
KEY	NO.	BOTANICAL NAME	COMMON NAME	SIZE ⚠	CONDIT.	REMARKS
TREES						
AR	4	ACER RUBRUM 'SUN VALLEY'	SUN VALLEY RED MAPLE	2½" TO 3" CAL.	B&B	SEEDLESS. 40' HT. 35' WIDTH
GT	1	GLEDITSIA TRIACANTHOS INERMIS 'DRAVES'	STREETKEEPER HONEYLOCUST	2½" TO 3" CAL.	B&B	35' HT. 20' WIDTH
QR	5	QUERCUS RUBRA	RED OAK	2½" TO 3" CAL.	B&B	75' HT. 60' WIDTH
CF	10	ABIES CONCOLOR	CONCOLOR FIR	5 TO 6 FT. HT.	B&B	FULL TO GROUND
PG	15	PICEA GLAUCA	WHITE SPRUCE	5 TO 6 FT. HT.	B&B	FULL TO GROUND
PP	13	PICEA PUNGENS GLAUCA	COLORADO BLUE SPRUCE	5 TO 6 FT. HT.	B&B	FULL TO GROUND
AG	9	AMELANCHIER X GRANDIFLORA 'AUTMUMN BRILLIANCE'	AUTUMN BRILLIANCE SERVICEBERRY	6 TO 7 FT. HT. ⚠	B&B	CLUMP FORM. MIN. 3 MAJOR STEMS. 20' HT. 15' WIDTH
CC	6	CERCIS CANADENSIS 'MERLOT'	MERLOT EASTERN REDBUD	1¾" TO 2" CAL.	B&B	12' HT. 12' WIDTH
MS	1	MAGNOLIA STELLATA 'ROYAL STAR'	ROYAL STAR MAGNOLIA	1¾" TO 2" CAL.	B&B	15' HT. 10' WIDTH. WHITE FLOWERS
SHRUBS						
RH	3	RHODODENDRON 'PJM'	PJM RHODODENDRON	24" HIGH MIN. ⚠	FULL SHADE	NO. 5 CONT.; GROWS 5–6 FEET HIGH AND WIDE
SH	11	SARCOCOCCA HOOKERIANA HUMILIS 'PURPLEJ1'	SWEET BOX	24" HIGH MIN.	FULL SHADE	NO. 3 CONT.; GROWS 1½–2½ FT. HIGH, 2–3 FT WIDE; FULL SHADE
PERENNIALS / ORNAMENTAL GRASSES						
CA	10	CALAMAGROSTIS X ACUTIFOLIA 'KARL FOERSTER'	KARL FOERSTER FEATHER REED GRASS	#2 CONT.	POTTED	5' HT. 3' WIDTH
FG	78	FESTUCA GLAUCA 'ELIJAH BLUE'	ELIJAH BLUE FESCUE GRASS	#1 CONT.	POTTED	10" HT. 10" WIDTH
HF	4	HOSTA X 'FRAGRANT BLUE'	FRAGRANT BLUE HOSTA	#2 CONT. SELECT	POTTED	2' HT. 3' WIDTH. BLUE FOLIAGE. SHADE TOLERANT
HD	10	HOSTA 'DANCING QUEEN'	DANCING QUEEN HOSTA	#2 CONT. SELECT	POTTED	1–½' HT. 2–½' WIDTH. YELLOW FOLIAGE. SHADE TOLERANT
PA	14	PENNISETUM ALOPECUROIDES 'HAMELN'	DWARF FOUNTAIN GRASS	#2 CONT.	POTTED	3' HT. 2' WIDTH

NOTE: ⚠

ALL REASONABLE MEASURES SHALL BE TAKEN 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 WALL WHCIH PREVENT FILLING ON TOP OF ROOTS OR EXCAVATING TREE ROOTS AS REQUIRED BY §203-7-2-3 (b) (3) OF TOWN CODE

LEGEND

- EXISTING TREE OR SHRUB TO REMAIN
- EXISTING TREE OR SHRUB TO BE REMOVED
- NEW TREE OR SHRUB
- EXISTING LIGHT FIXTURE
- EXISTING SIGN
- NEW SIGN
- EXISTING UTILITY POLE
- EXISTING FENCE
- NEW FENCE
- EXISTING EDGE OF PAVEMENT
- NEW EDGE OF PAVEMENT
- EXISTING CURB
- NEW CURB
- SITE PROPERTY LINE
- ADJACENT PROPERTY LINE
- CENTERLINE OF ROAD
- NEW CONCRETE AREAS
- EXISTING CONCRETE AREAS
- NEW LAWN AREAS



SITE LANDSCAPE PLAN

SCALE : 1"= 30'–0"

0 30 60 120

FOR OFFICIAL TOWN OF AMHERST USE

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EGGERTSVILLE HOSE COMPANY EXTERIOR SITE IMPROVEMENTS

1880 EGGERT ROAD, AMHERST, NY 14226

STAMP/SEAL

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SITE LANDSCAPE PLAN

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Buffalo, New York 14214
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DEMOLITION NOTES

1. PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR PAYING ALL NECESSARY FEES AND OBTAINING ALL NECESSARY PERMITS FOR CLEARING, SOIL EROSION PROTECTION, AND DISPOSING OF DEBRIS FROM SITE.

2. THE CONTRACTOR SHALL COORDINATE THE REMOVAL, RELOCATION, OR RE-ROUTING OF ANY UTILITIES WITH EACH RESPECTIVE UTILITY COMPANY. NOTIFY UTILITY COMPANIES OR AGENCIES AT LEAST 72 HOURS PRIOR TO THE START OF WORK.

3. THE CONTRACTOR SHALL MAINTAIN ACCESSIBLE PASSAGEWAYS FOR TRAFFIC AND PEDESTRIANS TO EXISTING ADJACENT RESDIENCES AND BUSINESSES WHICH WILL REMAIN IN OPERATION THROUGHOUT THE DURATION OF THE CONSTRUCTION.

4. THE CONTRACTOR SHALL FOLLOW ALL SOIL PREPARATION AND FOUNDATION CONSTRUCTION RECOMMENDATIONS AS STATED IN THE GEOTECHNICAL ENGINEERING REPORT BY BUFFALO DRILLING DATED 1994.

5. EXISTING PAVEMENT TO BE SAW-CUT AND REMOVED SHALL BE SAW-CUT ONLY TO THE DEPTH OF THE PAVEMENT AND NOT DEEPER TO AVOID INTERFERENCE WITH EXISTING UNDERGROUND UTILITIES. THE DESIGN ENGINEER (STUDIO T3) IS NOT RESPONSIBLE FOR ANY UTILITIES NOT SHOWN ON THE SURVEY OR ANY ACCIDENTAL RUPTURES DURING EXCAVATION OR CONSTRUCTION. THE DESIGN ENGINEER (STUDIO T3) AND THE RESPECTIVE UTILITY COMPANIES SHALL BE IMMEDIATELY NOTIFIED BY THE INSTALLATION CONTRACTOR UPON DISCOVERY OF ANY SUCH ABOVEGROUND OR UNDERGROUND UTILITIES NOT SHOWN ON THE SURVEY. WORK SHALL BE IMMEDIATELY SUSPENDED AND NOT COMMENCE UNTIL SUCH DISCOVERED UTILITIES ARE IDENTIFIED AND THE DESIGN ENGINEER (STUDIO T3) ISSUES EITHER A WRITTEN APPROVAL OR A SIGNED REVISED PLAN.

6. THE DESIGN ENGINEER (STUDIO T3) SHALL BE IMMEDIATELY CONTACTED UPON DISCOVERY OF ANY ABOVEGROUND OR BELOW GROUND OBJECTS NOT SHOWN ON THE BACKGROUND SURVEY THAT ARE UNCOVERED DURING EXCAVATION OR CONSTRUCTION (BUILDING FOUNDATIONS, BURIED VAULTS, TREES, SIDEWALKS, PAVEMENT, RAILINGS, SIGNS, STOCKPILES, STUMPS, OR SIMILAR) WHICH WILL INTERFERE OR CONFLICT WITH ANY PROPOSED WORK SHOWN ON THESE PLANS. WORK SHALL BE IMMEDIATELY SUSPENDED AND NOT COMMENCE UNTIL SUCH DISCOVERED OBJECTS ARE IDENTIFIED AND THE DESIGN ENGINEER (STUDIO T3) ISSUES EITHER A WRITTEN APPROVAL OR A SIGNED REVISED PLAN.

7. THE CONTRACTOR SHALL REMOVE ALL VISIBLE AND PARTIALLY BURIED DEBRIS PILES FROM AREAS TO BE DEVELOPED OR GRADED AND DISPOSE OF AT AN APPROPRIATE OFF-SITE LOCATION IN COMPLIANCE WITH AUTHORITIES HAVING JURISDICTION.

8. ANY UTILITY LINES NO LONGER IN USE (EITHER SHOWN ON THIS SHEET OR DISCOVERED IN THE FIELD) SHALL BE COMPLETELY REMOVED IF THEY ARE IN CONFLICT WITH ANY NEW UTILITY OR STRUCTURE.

9. ANY CAVITIES OR TRENCHES REMAINING FROM EXCAVATED FOOTINGS, FOUNDATION WALLS, PIPELINES, BASEMENTS, AND UNDERGROUND TANKS SHALL BE BACKFILLED WITH FLOWABLE FILL TO THE FROST LINE, AND TYPE 2 CRUSHER RUN STONE (NYSDOT ITEM 304.12) ABOVE THE FROST LINE, COMPACTED TO 95% DENSITY (IN 6" MAXIMUM LIFTS).

10. PROVIDE TEMPORARY SNOW-FENCING AROUND ALL EXISTING TREES, SHRUBS, OR LANDSCAPING TO REMAIN.

11. ALL LITTER AND DEBRIS SHALL BE SWEPT UP AND REMOVED FROM PAVED AREAS RATHER THAN HOSING INTO STORM DRAINS OR SWALES.

12. WASTE FROM DEMOLITION ACTIVITIES SHALL BE CONTAINED TO PREVENT RELEASE OF DUST AND DEBRIS BEFORE THE WASTE IS REMOVED FROM THE SITE. COLLECTED WASTE ON SITE SHALL ALSO BE STORED SUCH THAT IT PREVENTS THE RELEASE OF DUST AND DEBRIS.

13. NONE OF THE FOLLOWING SHALL BE EITHER RELEASED ON SITE, SPILLED, OR DISCHARGED TO GROUNDWATER, STREAMS, OR STORM SEWER SYSTEMS ON SITE: WASTEWATER WASHOUT FROM CONCRETE; WASTEWATER WASHOUT FROM CLEANOUT OF STUCCO, PAINT, FORM RELEASE OILS, CURING COMPOUNDS, AND OTHER CONSTRUCTION MATERIALS/FLUIDS; FUELS, OILS, AND OTHER VEHICLE FLUIDS; SOAPS, SOLVENTS, DETERGENTS, OR WASHWATER FROM CONSTRUCTION EQUIPMENT OR EXTERNAL BUILDINGS; TOXIC OR HAZARDOUS SUBSTANCE; SANITARY SEWAGE WASTEWATER.

14. THE DESIGN ENGINEER (STUDIO T3) IS NOT RESPONSIBLE FOR NOTIFYING UFPO FOR UNDERGROUND UTILITY LOCATION PRIOR TO EXCAVATION OR CONSTRUCTION. UNDERGROUND UTILITY LOCATION DETERMINATION BY HAND-DIGGING OR VACUUM EXCAVATION MAY BE NECESSARY IF DIRECTED BY RESPECTIVE UTILITY SERVICE AGENCIES. IF NECESSARY AN UNDERGROUND UTILITY SURVEY SHALL BE DONE PRIOR TO EXCAVATION AND CONSTRUCTION IN ORDER TO ELIMINATE DELAYS RESULTING FROM INTERFERENCE WITH UN-DOCUMENTED OR UN-LOCATED BURIED UTILITIES ENCOUNTERED.

15. THE DESIGN ENGINEER (STUDIO T3) IS NOT RESPONSIBLE FOR CONSTRUCTION SITE SAFETY AND COMPLIANCE WITH THE LATEST OSHA STANDARDS OR INDUSTRIAL CODE RULE 57 DURING CONSTRUCTION.

16. THE DESIGN ENGINEER (STUDIO T3) IS NOT RESPONSIBLE FOR THE REMEDIATION OF ASBESTOS, LEAD, MERCURY, MOLD, RADON, OR RODENT ABATEMENT PRIOR TO DEMOLITION OF EXISTING BUILDINGS.

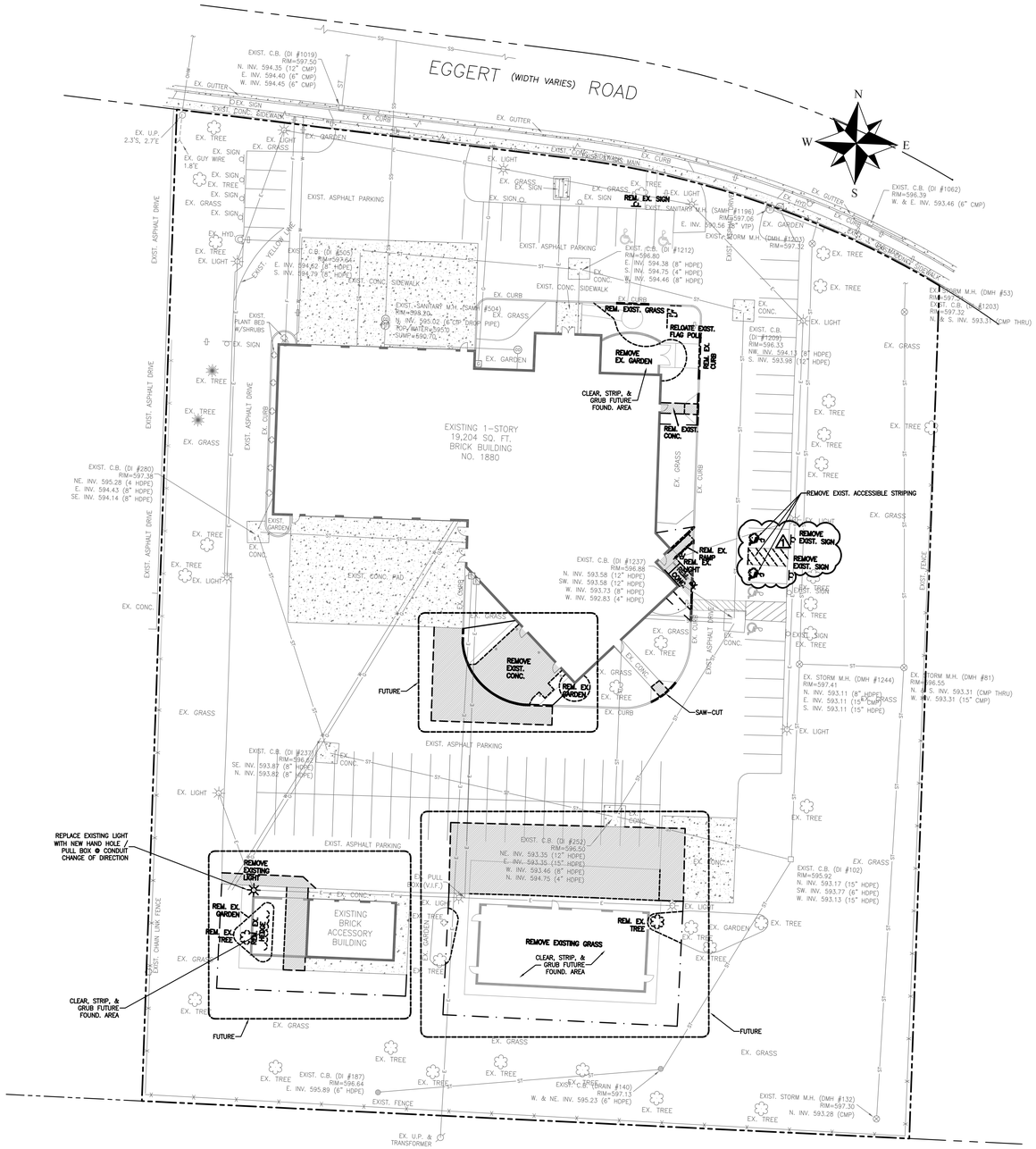
17. EXCAVATION AND CONSTRUCTION OPERATIONS SHOULD BE SCHEDULED TO MINIMIZE THE AMOUNT OF AREA DISTURBED AT ONE TIME. BUFFER AREAS OF EXISTING VEGETATION TO BE REMOVED SHOULD BE LEFT IN PLACE AS LONG AS POSSIBLE WHERE PRACTICAL.

18. TEMPORARY SHORING AND UNDERPINNING COSTS FOR ALL EXISTING ADJACENT BUILDING FOUNDATIONS, WALL FOUNDATIONS, DECK FOUNDATIONS, OR FENCE FOOTINGS SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR.

19. ANY DAMAGE TO EXISTING BUILDINGS, PAVEMENT, FOUNDATIONS, WALLS, FENCES, LANDSCAPING, OR ABOVEGROUND OR BELOWGROUND UTILITIES EITHER OUTSIDE THE PROPERTY OR OUTSIDE THE LIMIT OF WORK / RE-GRADING LINE SHALL BE REPLACED IN KIND.

20. ANY DEVIATION FROM ANY PLANS IN THIS DRAWING SET SHALL REQUIRE APPROVAL OF THE DESIGN ENGINEER (STUDIO T3) AND THE TOWN OF AMHERST PLANNING AND BUILDING DEPARTMENTS, AS WELL AS THE APPROPRIATE UTILITY COMPANIES AND SERVICE PROVIDERS. ANY AND ALL CHANGES MADE WITHOUT NOTIFICATION OR APPROVAL OF THE DESIGN ENGINEER (STUDIO T3) SHALL BE CONSIDERED UNAUTHORIZED AND THE DESIGN ENGINEER (STUDIO T3) SHALL NOT BE LIABLE FOR ANY DAMAGES, DELAYS, ADDITIONAL COSTS INCURRED, OR ANY OTHER CONSEQUENCES ARISING FROM SUCH CHANGES.

21. ALL CONTRACTORS AND SUBCONTRACTORS SHALL BE INSURED AND LICENSED IN THE STATE OF NEW YORK, THE COUNTY OF ERIE, AND THE TOWN OF AMHERST.



SITE DEMOLITION PLAN

SCALE : 1" = 30'-0"

0 30 60 120

LEGEND

- PROPERTY LINE
- EX. EDGE OF PVMNT. TO REMAIN
- EX. EDGE OF PVMNT. TO BE REMOVED
- NEW EDGE OF PVMNT.
- EXISTING CURB TO REMAIN
- EXISTING CURB TO BE REMOVED
- NEW CURB
- SAW-CUT LINE
- EXISTING PAVEMENT AREAS TO BE REMOVED
- EXISTING TREE OR SHRUB TO REMAIN
- EXISTING TREE OR SHRUB TO BE REMOVED

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DRAWN BY: AVT
CHECKED BY: TS
JOB # 23-194A

SHEET C-5.0

WARNING: IT IS A VIOLATION OF SECTION 7209, SUBDIVISION 2, OF THE NEW YORK STATE EDUCATION LAW FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED ARCHITECT OR PROFESSIONAL ENGINEER, TO ALTER IN ANY WAY, PLANS, SPECIFICATIONS, OR REPORTS TO WHICH THE SEAL OF A LICENSED ARCHITECT OR PROFESSIONAL ENGINEER HAS BEEN APPLIED.

Attachment: SP-1994-18_B_drawings_062625 (29950 : SP-1994-18, 1880 Eggert Road)

EROSION CONTROL NOTES:

1. GRADING, TOPSOILING, AND STABILIZING SECTIONS SHALL BE COMPLETED BEFORE EXCAVATION STARTS ON OTHER SECTIONS, IN ORDER NOT TO LEAVE ANY AREAS EXPOSED TO WIND AND RAIN EROSION FOR LONGER DURATION THAN NECESSARY.
2. ALL WASTE MATERIALS SHALL BE COLLECTED AND STORED IN A SECURELY LIDDED METAL DUMPSTER. ALL TRASH AND CONSTRUCTION DEBRIS FROM THE SITE SHALL BE DEPOSITED IN THE DUMPSTER ON A DAILY BASIS. ABSOLUTELY NO CONSTRUCTION MATERIALS SHALL BE BURIED ON SITE.
3. ALL VEHICLES ON SITE SHALL BE MONITORED FOR LEAKS AND RECEIVE REGULAR PREVENTIVE MAINTENANCE TO REDUCE THE CHANCE OF LEAKAGE FOR THE ENTIRE DURATION OF CONSTRUCTION. ANY PETROLEUM PRODUCTS USED SHALL BE STORED IN TIGHTLY SEALED CONTAINERS WHICH ARE CLEARLY LABELED. SPILL KITS SHALL BE INCLUDED WITH ANY FUELING SOURCES AND MAINTENANCE ACTIVITIES AS NECESSARY.
4. ALL PAINT CONTAINERS OR CURING COMPOUNDS SHALL BE TIGHTLY SEALED AND STORED WHEN NOT IN USE. EXCESS PAINT SHALL NOT BE DISCHARGED TO THE STORM SEWER SYSTEM BUT SHALL BE PROPERLY DISPOSED OF IN CONFORMANCE TO MANUFACTURER'S INSTRUCTIONS.
5. WHEN ACTIVITIES TEMPORARILY CEASE DURING CONSTRUCTION, SOIL STOCKPILES AND ANY EXPOSED SOILS SHALL BE STABILIZED BY MULCH OR COVERED WITH TARPS NO MORE THAN 14 DAYS AFTER CONSTRUCTION ACTIVITY HAS CEASED.
6. THE CONTRACTOR SHALL INSPECT ALL EROSION CONTROL DEVICES SHOWN ON THIS PLAN ON A DAILY BASIS AND AFTER RAIN STORMS. ANY NEEDED REPAIRS SHALL BE MADE IMMEDIATELY TO MAINTAIN ALL EROSION CONTROL DEVICES AS SPECIFIED IN THIS PLAN AND ON THE EROSION CONTROL DETAILS.
7. TOPSOIL STOCKPILES SHALL NOT BLOCK DRAINAGE FLOWS DURING CONSTRUCTION. STOCKPILES SHALL NOT BE LOCATED NEAR SLOPES, ROADWAYS, SWALES, DRAINAGE INLETS, OR BODIES OF WATER. THE BASE OF ALL STOCKPILES SHALL BE PROTECTED WITH SILT FENCING, OR ELSE THE ENTIRE STOCKPILE SHALL BE COVERED WITH TARPS AND SANDBAGS.
8. THE CONTRACTOR SHALL PREVENT TRACKING OR FLOWING OF MUD INTO STREETS OR AREAS OUTSIDE OF CONSTRUCTION LOCATION.
9. ALL WATER PUMPED FROM EXCAVATIONS SHOULD BE DIRECTED TO A SEDIMENT TRAP, SEDIMENT BASIN, OR FILTRATION DEVICE SHOWN ON THE EROSION CONTROL DETAILS.
10. ALL CATCH BASIN SUMPS SHALL BE CLEANED OUT AND SOIL SEDIMENTS SHALL BE DISPOSED OF AT AN APPROPRIATE OFFSITE LOCATION.
11. ALL CHLORINATED WATER USED FOR FLUSHING WATERLINES SHALL BE DISCHARGED TO THE SANITARY SEWER AND NEVER TO ANY STORM SEWER, CATCH BASIN, OR SWALE.
12. ALL PORTABLE TOILETS SHALL BE LOCATED AWAY FROM GUTTERS, CATCH BASINS, STORM SEWERS, AND WATERWAYS. PORTABLE TOILETS SHALL BE PLACED ON A FLAT, STABLE GROUND SURFACE NOT PRONE TO FLOODING. ALL PORTABLE TOILETS SHALL BE ANCHORED TO PREVENT BLOWING OVER DURING WINDSTORMS.
13. ANY DETERGENTS OR ACID CLEANERS WASHES USED TO CLEAN OR RINSE CONCRETE, STUCCO, MASONRY, ETC. SHALL NEVER BE DISCHARGED TO ANY STORM SEWER, CATCH BASIN, SWALE, OR POND.
14. AVOID STORING PETROLEUM PRODUCTS ON SITE IF POSSIBLE. IF NOT POSSIBLE, STORE AWAY FROM CATCH BASINS OR DRAINAGE WAYS.
15. AVOID ON-SITE STORAGE OF PESTICIDES, FERTILIZERS, AND HERBICIDES. IF UNAVOIDABLE, ALL CHEMICALS SHALL BE STORED IN ORIGINAL PACKAGES IN A SEPARATELY DESIGNATED COVERED CONTAINMENT AREA.
16. USE CLEAN OR RECYCLED WATER WHEN SPRINKLING SOIL FOR DUST CONTROL.
17. TO PROTECT EXISTING LAWN OR VEGETATED AREAS FROM RUTS CAUSED BY CONSTRUCTION VEHICLES, TEMPORARY LAYOUT VEHICLE TRACK PATHS WITH PLYWOOD OR GEORUNNER SURFACE PROTECTION INSTALLED PER MANUFACTURER'S INSTRUCTIONS (CALL 800-548-3424 TO ORDER OR DETERMINE NEAREST DISTRIBUTOR).
18. UNDER NO CIRCUMSTANCES SHALL CONCRETE TRUCK WASH WATER BE ALLOWED TO BE DISCHARGED OR DUMPED ANYWHERE ON THE CONSTRUCTION SITE. ALL EXCESS CONCRETE OR WASH WATER SHALL BE DISPOSED AT AN APPROPRIATE OFFSITE LOCATION (SUCH AS A DESIGNATED LANDFILL) AS DIRECTED BY LOCAL AUTHORITIES.
19. ANY DISTURBED AREAS THAT WILL BE LEFT EXPOSED FOR MORE THAN THIRTY (30) DAYS, AND NOT SUBJECT TO CONSTRUCTION TRAFFIC WILL IMMEDIATELY RECEIVE TEMPORARY SEEDING WITH ANNUAL OR PERENNIAL RYE GRASS AT 30 lbs. PER ACRE, FOLLOWED BY MULCHING WITH STRAW AT A RATE OF 2 TO 2½ TONS PER ACRE.
20. SECURE OPEN BAGS OF CEMENT AND KEEP CEMENT POWDER AWAY FROM STREETS, CATCH BASINS, AND SWALES. PROTECT CONSTRUCTION MATERIALS FROM RAINFALL AND RUNOFF BY STORING UNDER COVER. AVOID STORING MATERIALS NEAR CATCH BASINS, SWALES, OR STORM SEWERS.
21. ANY FERTILIZER SPILLED ONTO IMPERVIOUS SURFACES SUCH AS PARKING LOTS, ROADWAYS, AND SIDEWALKS SHALL BE IMMEDIATELY CONTAINED AND REMOVED, ELSE LEGALLY RE-APPLIED PER THE NOTES IN THE SITE LANDSCAPE PLAN.
22. NONE OF THE FOLLOWING SHALL BE EITHER RELEASED ON SITE, SPILLED, OR DISCHARGED TO GROUNDWATER, STREAMS, OR STORM SEWER SYSTEMS ON SITE: WASTEWATER WASHOUT FROM CONCRETE; WASTEWATER WASHOUT FROM CLEANOUT OF STUCCO, PAINT, FORM RELEASE OILS, CURING COMPOUNDS, AND OTHER CONSTRUCTION MATERIALS/FLUIDS; FUELS, OILS, AND OTHER VEHICLE FLUIDS; SOAPS, SOLVENTS, DETERGENTS, OR WASHWATER FROM CONSTRUCTION EQUIPMENT OR EXTERNAL BUILDINGS; TOXIC OR HAZARDOUS SUBSTANCE; SANITARY SEWAGE WASTEWATER.
23. ANY DAMAGED PROPERTY WITHIN THE PROJECT SITE OR ADJACENT PROJECT SITES SHALL BE RESTORED IN KIND.
24. ALL CONTRACTORS AND SUBCONTRACTORS SHALL BE INSURED AND LICENSED IN THE STATE OF NEW YORK, THE COUNTY OF ERIE, AND THE TOWN OF AMHERST.

EROSION CONTROL SEQUENCE

*** THE SEQUENCE BELOW IS INTENDED TO BE A GENERAL GUIDELINE FOR IMPLEMENTATION OF EROSION AND SEDIMENTATION PREVENTION DEVICES ONLY. SPECIFIC CONSTRUCTION TECHNIQUES, MEANS, METHODS, AND SCHEDULING ARE THE SOLE RESPONSIBILITY OF THE CONTRACTOR AND OWNER.

① OBTAIN ALL BUILDING PERMITS, INCLUDING CLEARING, STRIPPING, AND GRUBBING PERMITS.

② OBTAIN A DUMPSTER AND A DEBRIS DISPOSAL PERMIT AS NECESSARY.

③ HOLD PRE-CONSTRUCTION MEETING WITH OWNER'S SITE EROSION CONTROL INSPECTOR.

④ FLAG CLEARING LIMITS AS SHOWN ON THE SITE DEMOLITION PLAN.

⑤ CLEAR, GRUB, AND STRIP THE SITE AS SHOWN ON THE SITE DEMOLITION PLAN. STOCKPILE ALL TOPSOIL AS DIRECTED ON THE EROSION CONTROL PLAN.

⑥ ROUGH GRADE THE ENTIRE SITE. ESTABLISH ANY TEMPORARY STORMWATER DIVERSIONS AS NECESSARY. STABILIZE ALL DISTURBED AREAS AND STOCKPILES WITHIN 14 DAYS OF THE LAST DISTURBANCE ACTIVITY IN EACH AREA.

(C, C-5.7) ⑦ INSTALL ALL UTILITIES AND STRUCTURES, INCLUDING CATCH BASINS AND STORM SEWERS AS SHOWN ON THE SITE UTILITY AND DRAINAGE PLANS AND DETAILS. IMMEDIATELY INSTALL TEMPORARY CATCH BASIN INLET PROTECTION WHERE SHOWN ON THE EROSION CONTROL PLAN AS PER THE INSTALLATION INSTRUCTIONS ON THE EROSION CONTROL DETAILS.

⑧ TEMPORARY TRENCH BACKFILL STOCKPILES SHALL BE PROTECTED FROM EROSION AND SEDIMENTATION USING TARPS, IF LEFT FOR LONG PERIODS OF TIME OR DURING RAIN STORMS. MINIMAL DISTURBANCE AROUND TRENCH AREAS SHALL BE MADE TO REMOVE AS LITTLE VEGETATION AS POSSIBLE FROM THE VICINITY OF THE TRENCH.

⑨ INSTALL GRAVEL SUBBASE TO ALL PROPOSED PARKING AND PAVEMENT AREAS AND COMPACT AS SHOWN IN SPECIFICATIONS ON RESPECTIVE DETAILS AS SOON AS POSSIBLE FOLLOWING ROUGH GRADING AND COMPACTION OF SUBGRADE. IMPLEMENT DUST CONTROL MEASURES AS DIRECTED ON THE EROSION CONTROL PLAN NOTES.

⑩ CONSTRUCT ALL BUILDINGS AND ACCESSORY STRUCTURES.

(A, C-5.7) ⑪ COMPLETE FINAL GRADING AND TOPSOILING OF ENTIRE SITE. SEED OR HYDRO-SEED WITHIN 24 HOURS AFTER FINAL GRADING AND TOPSOILING. HYDRO-MULCH IMMEDIATELY FOLLOWING SEEDING OR HYDRO-SEEDING.

⑫ REMOVE TEMPORARY PIPE INLET PROTECTION AFTER HYDRO-MULCHING IS COMPLETED.

⑬ INSTALL ALL ASPHALT AND CONCRETE PAVEMENT WHERE SHOWN ON THE SITE LAYOUT AND DIMENSIONAL SITE PLAN AS PER THE SITE DETAILS.

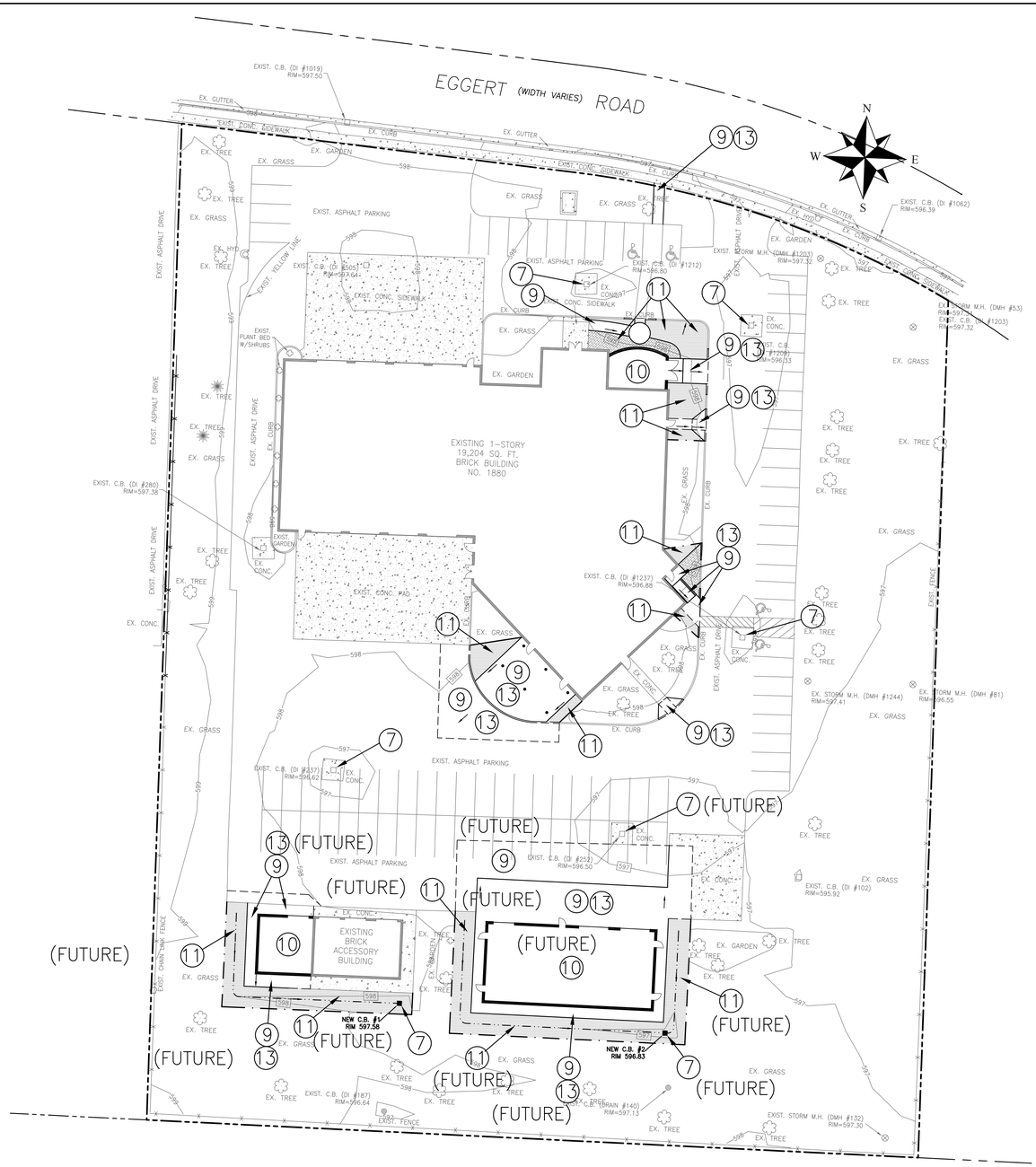
⑭ INSTALL REMAINING LANDSCAPING (SHRUBS, TREES, AND MULCH) WHERE SHOWN ON THE SITE LANDSCAPE PLAN AS PER THE LANDSCAPE DETAILS.

⑮ WHEN ALL CONSTRUCTION ACTIVITY IS COMPLETED AND SITE VEGETATION IS IN PLACE AND STABILIZED, REMOVE AND DISPOSE OF ANY REMAINING TEMPORARY EROSION CONTROL DEVICES AS DIRECTED IN THE MAINTENANCE INSTRUCTIONS ON EACH DEVICE'S RESPECTIVE DETAIL SHOWN ON THE EROSION CONTROL DETAILS.

(B, C-5.7) ⑯ CLEAN AND PUMP UNDERGROUND STORMWATER DETENTION SYSTEMS AS DIRECTED BY MANUFACTURER.

LEGEND

- EXISTING EDGE OF PAVEMENT
- NEW EDGE OF PAVEMENT
- EXISTING CURB
- NEW CURB
- PROPERTY / R.O.W. LINES
- ADJACENT PROPERTY LINES
- EXISTING CONTOUR LINES
- P10 — P10 PROPOSED CONTOUR LINES
- ST — ST STORM SEWER
- P EXISTING UTILITY POLE
- EXISTING HYDRANT
- EXISTING CATCH BASIN
- NEW CATCH BASIN
- EXISTING MANHOLE
- NEW LAWN AREAS TO BE SEEDED OR HYDRO-SEEDED THEN HYDRO-MULCHED
- NEW MULCH BED AREAS


EGGERT (WIDTH VARIES) ROAD
EXISTING 1-STORY 19,204 SQ. FT. BRICK BUILDING NO. 1880
EXISTING BRICK ACCESSORY BUILDING
EXISTING CONC. PAD
EXISTING ASPHALT PARKING
EXISTING ASPHALT DRIVE
EXISTING CONC. SIDEWALK
EXISTING YELLOW LINE
EXISTING PLANT BED W/SHRUBS
EXISTING CURB
EXISTING GARDEN
EXISTING GRASS
EXISTING TREE
EXISTING CONC.
EXISTING FENCE
EXISTING BRICK WALL
EXISTING CONC. CURB
EXISTING ASPHALT CURB
EXISTING ASPHALT PARKING
EXISTING CONC. SIDEWALK
EXISTING ASPHALT DRIVE
EXISTING GRASS
EXISTING TREE
EXISTING CONC.
EXISTING GARDEN
EXISTING CURB

HDYRO–SEED & HYDRO–MULCH INSTALLATION INSTRUCTIONS:

*** AREAS TO BE HYDRO–SEEDED AND HYDRO–MULCHED WITH HYDROSTRAW ARE SHOWN ON THE EROSION CONTROL PLAN. THE CONTRACTOR SHALL CONTACT HYDROSTRAW (800) 545–1755 TO ORDER, AND FOR A LIST OF CERTIFIED HYDROMULCH APPLICATOR CONTRACTORS.

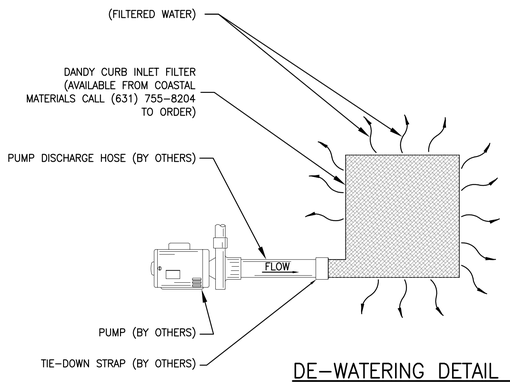
1. TILL AREAS OF INSTALLATION TO A 4 INCH MINIMUM DEPTH, THEN TOPSOIL AREAS OF INSTALLATION TO STABILIZED FINISHED GRADE. ADD LIME AND FERTILIZER TO SOIL (IF REQUIRED) AT 400 lbs PER ACRE 24 HOURS BEFORE TILLING. REMOVE ALL ROCKS, CLODS, VEGETATION, OR OTHER OBSTRUCTIONS SO THAT THE SEED WILL HAVE DIRECT CONTACT WITH THE SOIL SURFACE.
2. TOPSOIL SHALL BE ROUGHENED WITH RAKE, BACK–HOE, OR DISC PRIOR TO HYDRO–SEEDING AND HYDRO–MULCHING. NO HYDRO–SEEDING AND HYDRO–MULCHING SHALL BE APPLIED TO SMOOTH, COMPACTED, OR UN–ROUGHENED TOPSOIL SURFACES.
3. HYDRO–SEED GRASS AS PER SEED VENDOR'S INSTRUCTIONS.
4. APPLY HYDRO–MULCH TO COVER THE GRASS SEED. PER HYDROMULCH SPECIFICATIONS IMMEDIATELY FOLLOWING SEEDING. APPLY AT 2,000 lbs PER ACRE MINIMUM FOR SLOPES 3:1 AND FLATTER. APPLY HYDROSTRAW GUAR PLUS AT 3,000 lbs PER ACRE MINIMUM FOR SLOPES BETWEEN 2:1 AND 3:1. APPLY HYDROSTRAW BONDED FIBER MATRIX AT 4,500 lbs PER ACRE MINIMUM FOR SLOPES BETWEEN 1:1 AND 2:1.
5. HYDROMULCH SHOULD BE APPLIED AT LEAST 8 HOURS PRIOR TO RAINSTORM EVENTS.

HDYRO–SEED & HYDRO–MULCH MAINTENANCE INSTRUCTIONS:

1. THE SLOPE SHALL BE MONITORED DAILY FOR EROSION ESPECIALLY AFTER RAIN STORMS. RE–APPLICATION SHALL BE REQUIRED WHEREVER ACCEPTABLE GERMINATION IS NOT OBTAINED.
2. KEEP HYDRO–SEEDED AND HYDRO–MULCHES AREAS MOIST BY DAILY APPLICATION OF WATER FOR A MINIMUM OF TEN DAYS UNTIL THE SEEDS HAVE GERMINATED, OR AS RECOMMENDED BY THE SEED VENDOR.
3. THE ABOVE SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
4. THE GRASS SHOULD NOT BE MOWED UNTIL IT REACHES AT LEAST 3½ INCHES IN HEIGHT. MOW ONLY THE TOP THIRD OF EACH GRASS BLADE TO ENSURE SURVIVAL.

HYDROMULCH INSTALLATION (A)

SCALE : N.T.S.



DE–WATERING DETAIL (B)

SCALE :1/2" = 1'–0"

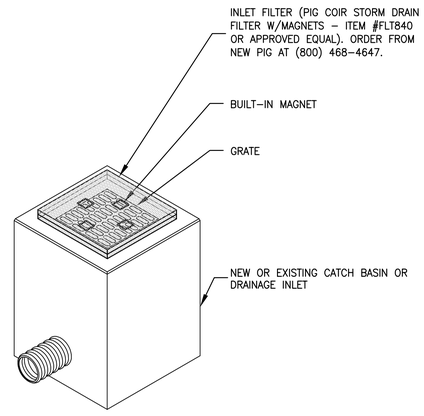
INSTALLATION INSTRUCTIONS:

*****USE THIS DEVICE TO FILTER ANY GROUNDWATER OR RAIN WATER PUMPED FROM TRENCHES OR EXCAVATIONS TO BE DE–WATERED.

1. PLACE EMPTY DANDY BAG OVER THE GRATE AS THE GRATE STANDS ON END.
2. IF USING OPTIONAL OIL ABSORBENTS, PLACE ABSORBENT PILLOW IN POUCH ON BOTTOM OF UNIT AND ATTACH PILLOW TO TETHER LOOP.
3. HOLDING THE LIFTING DEVICE (DO NOT RELY ON LIFTING DEVICE TO SUPPORT ENTIRE WEIGHT OF GRATE), PLACE THE GRATE INTO ITS FRAME.

MAINTENANCE INSTRUCTIONS:

1. REMOVE ALL ACCUMULATED SEDIMENT AND DEBRIS FROM THE SURFACE AND VICINITY OF THE UNIT AFTER EACH RAINFALL EVENT.
2. REMOVE ACCUMULATED SEDIMENT WITHIN THE BAG AS NEEDED.
3. IF USING OPTIONAL OIL ABSORBENTS, REMOVE AND REPLACE ABSORBENT PILLOW WHEN NEAR SATURATION.



ISOMETRIC VIEW

TEMPORARY INLET PROTECTION DETAIL (C)

SCALE : 1/2" = 1'–0"

INSTALLATION INSTRUCTIONS:

1. PREPARE SURFACE BY SWEEPING AWAY ANY DIRT OR DEBRIS FROM GRATE SURFACE TO ENSURE GOOD CONTACT BETWEEN MAGNETS AND GRATE.
2. CENTER FILTER ON GRATE TO ENSURE FILTER COVERS ALL HOLES IN GRATE AND THAT MAGNETS WILL CONTACT THE GRATE. THERE SHOULD BE APPROXIMATELY 3 INCHES OVERLAP ON EACH SIDE.
3. LOWER FILTER INTO PLACE AND PUSH FILTER WITH HND OR FOOT TO CHECK MAGENTIC CONNECTION. REMOVE, ADJUST, AND RE–SET AS NECESSARY.

MAINTENANCE INSTRUCTIONS:

1. INSPECT MONTHLY OR AFTER EVERY HALF INCH OF RAINFALL.
2. USE A SHOVEL OR BROOM TO REMOVE DIRT AND SEDIMENT FROM AROUND THE EDGE OF THE DRAIN.
3. IN CASE OF FLOODING, OVERFLOW PORT IS PRE–CUT ON 3 SIDES AND CAN BE REMOVED AT EROSION CONTROL INSPECTOR'S DISCRETION.
4. WHEN CONSTRUCTION IS COMPLETE, ALL DRY SEDIMENT AND DEBRIS AROUND THE FILTER SHOULD BE SWEPT AND / OR VACUUMED PRIOR TO REMOVING THE FILTER.
5. WHEN THE SITE IS STABILIZED TO PREVENT EROSION AND SEDIMENTATION, REMOVE AND RE–USE FILTER ON NEXT CONSTRUCTION SITE.
6. AFTER 3 TO 4 CONSTRUCTION SITE USAGES, SHOULD THE FILTER BEGIN TO DISINTEGRATE IT SHOULD BE DISCARDED BY CUTTING AND REMOVING MAGNETS AND THEN PLACING IN FUTURE LAWN OR LANDSCAPE AREAS AS MULCH (FILTER IS BIODEGRADABLE).

FOR OFFICIAL TOWN OF AMHERST USE

THE CONTRACTOR SHALL CONTACT THE DESIGN ENGINEER BEFORE EXCAVATION & CONSTRUCTION TO ENSURE HE/SHE HAS THE FINAL SET OF DESIGN DOCUMENTS AS ISSUED FOR CONSTRUCTION. THIS PLAN IS CURRENT AS OF THE DATE IT WAS ISSUED. SUBSEQUENT UPDATES OF THIS PLAN BY THE DESIGN ENGINEER DOES NOT AFFORD ANY TRANSFEREES THE RIGHT TO RECEIVE SAID UPDATES, BUT PLACES THE RESPONSIBILITY TO THE TRANSFEREE TO OBTAIN UPDATED PLANS WHICH ARE ISSUED FOR CONSTRUCTION AS THESE MAY DIFFER FROM PREVIOUS PLANS ISSUED FOR PERMIT OR BID.

EGGERTSVILLE HOSE COMPANY EXTERIOR SITE IMPROVEMENTS

1880 EGGERT ROAD, AMHERST, NY 14226

STAMP/SEAL

7	REV. PER SITE PLAN REVIEW	5/28/25
6	ISSUED FOR SITE PLAN REV.	1/21/25
5	ISSUED FOR CLIENT REVIEW	1/3/25

EROSION CONTROL DETAILS

studio T3
Engineering, PLLC
2495 Main Street, Suite 301
Buffalo, New York 14214
Phone: (716) 803-6400
Fax: (716) 810-9504

DRAWN BY: AVT
CHECKED BY: TS
JOB # 23–194A

SHEET C–5.2

Attachment: SP-1994-18_B_drawings_062625 (29950 : SP-1994-18B, 1880 Eggert Road)

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TWX3 LED
LED Wall Luminaire

DLC

Catalog Number

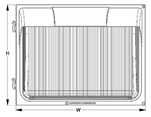
Notes

Type

Hit the Tab key or mouse over the page to see all interactive elements.

Specifications

Depth: 5.0"
Height: 14.0"
Width: 18.0"
Weight: (without options) 21 lbs



Introduction

TWX LED wall pack family, a ground-up design that has the low initial cost customers demand while providing superior performance and a traditional form. The TWX3 LED is energy efficient, saving up to 84% in energy costs when replacing a metal halide luminaire. Offering an expected service life of more than 20 years, the TWX3 LED eliminates frequent lamp and ballast replacements associated with traditional technologies.

The Adjustable Light Output (ALO) feature allows the contractor to set the light output during installation, to a level perfectly suited for the job site. The TWX3 LED ALO luminaires can replace anything from a 100W to 400W metal halide luminaire.

TWX LED Family Overview

Luminaire	Voltage	Photocell	Lumens (4000K)			
			P1	P2	P3	P4
TWX1 LED	MVOLT (120-277V)	YES	1,600	2,950	--	--
TWX2 LED	MVOLT (120-277V), 347V, 480V	YES	3,250	4,400	5,250	6,850
TWX3 LED	MVOLT (120-277V), 347V	YES	6,800	10,650	12,900	13,850

Ordering Information

EXAMPLE: TWX3 LED ALO 40K MVOLT DDBXD

Series	Package	Color Temperature	Voltage	Options	Finish
TWX3 LED	P1 8,800 lumens P2 10,650 lumens P3 12,900 lumens P4 13,850 lumens ALO 2,900 - 13,850 lumens	30K 3000K 40K 4000K 50K 5000K	MVOLT (120-277V) 347	PE Photocell, Button Type	DDBXD Dark bronze DBLXD Black DWHXD White DNAXD Natural aluminum DDBTXD Textured dark bronze DBLBXD Textured black DWHGXD Textured White DNATXD Textured natural aluminum

FEATURES & SPECIFICATIONS

INTENDED USE
The TWX3 LED is an energy-efficient, low maintenance LED wall pack for replacing up to a 400W MH fixture, providing the same footprint on the wall. TWX3 is ideal for higher mounting height applications such as industrial buildings, warehouses and schools.

CONSTRUCTION
Two-piece die-cast aluminum housing to optimize thermal management through conductive and convective cooling. The door is hinged on the side and can be removed for easy installation. The housing is completely sealed against moisture and environmental contaminants (IP65) and is suitable for the hose-down applications.

FINISH
Exterior painted parts are protected by a zinc-infused Super Durable TGIC thermoset powder coat finish that provides superior resistance to corrosion and weathering. A tightly controlled multi-stage process ensures a 3 mils thickness for a finish that can withstand extreme climate changes without cracking or peeling.

OPTICS
The advanced optical design uses both reflector and refractor technologies that work together to create superior illumination and further throw, getting the light where it is needed. The US-made borosilicate glass refractor is specifically designed to maximize light extraction and create a fully luminous luminaire for a better nighttime look.

INSTALLATION
Designed for wall mounting above four feet from the ground. Housing is configured for mounting directly over a standard junction box (by others) or for surface wiring via any of three 1/2" threaded entry hubs.

LISTINGS
CSA certified to U.S. and Canad an standards. IP65 rated for outdoor applications. Rated for -40°C minimum ambient.
DesignLights Consortium® (DLC) qualified product. Not all versions of this product may be DLC qualified. Please check the DLC Qualified Products List at www.designlights.org/QPL to confirm which versions are qualified.

WARRANTY
5-year limited warranty. Complete warranty terms located at: www.acuitybrands.com/support/warranty/terms-and-conditions

Note: Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25 °C. Specifications subject to change without notice.

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Performance Data

Lumen Output
Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts. Contact factory for performance data on any configurations not shown here.

Performance Package	System Watts	30K (3000K, 80 CRI)		40K (4000K, 80 CRI)		50K (5000K, 80 CRI)	
		Lumens	LPW	Lumens	LPW	Lumens	LPW
P1	65W	8,450	130	8,800	135	8,800	135
P2	79W	10,200	129	10,650	135	10,650	135
P3	97W	12,300	127	12,900	133	12,900	133
P4/ALO	108W	13,250	123	13,850	128	13,850	128

Electrical Load

Performance Package	System Watts	Current (A)				
		120V	208V	240V	277V	347V
P1	65W	0.538	0.310	0.269	0.233	0.186
P2	79W	0.656	0.379	0.328	0.284	0.227
P3	97W	0.806	0.465	0.403	0.349	0.279
P4/ALO	108W	0.900	0.519	0.450	0.390	0.311

Adjustable Lumen Output (ALO) Table

Steps	System Watts	Lumen Output	Replace Metal Halide
8*	108W	13,850	400W
7	102W	13,250	
6	93W	11,400	
5	71W	9,900	
4	57W	8,200	250W
3	44W	6,450	
2	29W	4,500	150/175W
1	18W	2,900	100W

* Factory default setting is #8

Lumen Ambient Temperature (LAT) Multipliers
Use these factors to determine relative lumen output for average ambient temperatures from 0-40°C (32-104°F).

Ambient		Lumen Multiplier
0°C	32°F	1.04
10°C	50°F	1.03
20°C	68°F	1.01
25°C	77°F	1.00
30°C	86°F	0.99
40°C	104°F	0.97

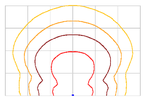
Projected LED Lumen Maintenance
Data references the extrapolated performance projections for the platforms noted in a 25°C ambient, based on 10,000 hours of LED testing (tested per IESNA LM-80-08 and projected per IESNA TM-21-11). To calculate L87, use the lumen maintenance factor that corresponds to the desired number of operating hours below. For other lumen maintenance values, contact factory.

Operating Hours	0	25,000	50,000	60,000	100,000
Lumen Maintenance Factor	1.0	>0.95	>0.90	>0.88	>0.81

Photometric Diagrams

To see complete photometric reports or download .ies files for this product, visit the Lithonia Lighting TWX LED homepage. Tested in accordance with IESNA LM-79 and LM-80 standards

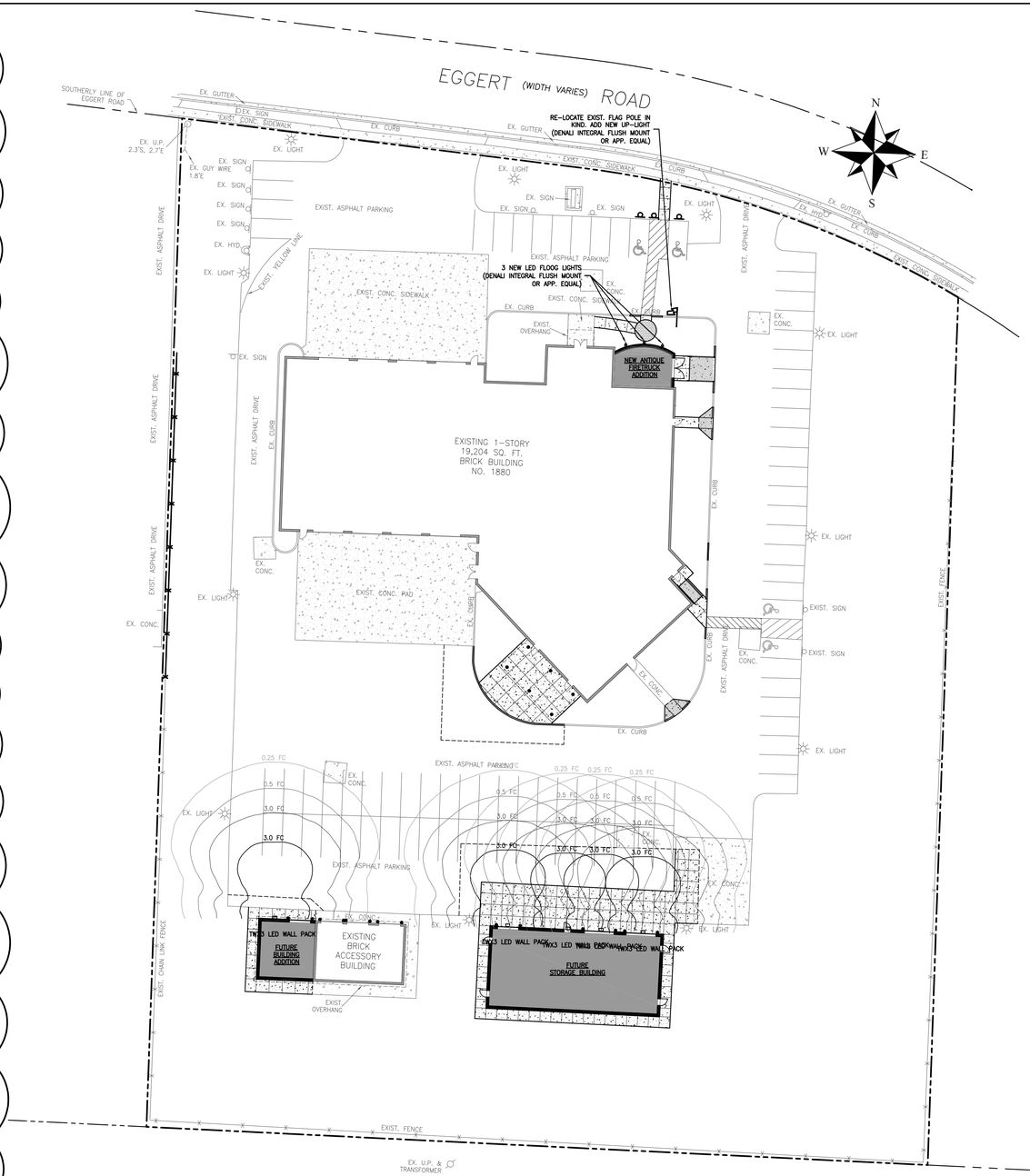
LEGEND
- 0.25 fc
- 0.5 fc
- 1.0 fc
- 3.0 fc



TWX3 LED ALO

IM = 18ft
Grid = 18ft x 18ft
ISO lines = 0.25fc, 0.5fc, 1.0fc, 3.0fc

© 2020 Acuity Brands Lighting, Inc. All rights reserved.



PHOTOMETRIC LIGHTING PLAN

SCALE : 1"= 30'-0"

0 30 60 120

FOR OFFICIAL TOWN OF AMHERST USE

STAMP/SEAL

1	REV. PER SITE PLAN REVIEW	5/28/25
2	ISSUED FOR SITE PLAN REV.	1/21/25
3	ISSUED FOR CLIENT REVIEW	1/3/25

THE CONTRACTOR SHALL CONTACT THE DESIGN ENGINEER BEFORE EXCAVATION & CONSTRUCTION TO ENSURE HE/SHE HAS THE FINAL SET OF DESIGN DOCUMENTS AS ISSUED FOR CONSTRUCTION. THIS PLAN IS CURRENT AS OF THE DATE IT WAS ISSUED. SUBSEQUENT UPDATES OF THIS PLAN BY THE DESIGN ENGINEER DOES NOT AFFORD ANY TRANSFEREES THE RIGHT TO RECEIVE SAID UPDATES, BUT PLACES THE RESPONSIBILITY TO THE TRANSFEREES TO OBTAIN UPDATED PLANS WHICH ARE ISSUED FOR CONSTRUCTION AS THESE MAY DIFFER FROM PREVIOUS PLANS ISSUED FOR PERMIT OR BID.

EGGERT ROAD, AMHERST, NY 14226
EXTERIOR SITE IMPROVEMENTS
1880 EGGERT ROAD

PHOTOMETRIC LIGHTING PLAN

studio T3
Engineering, PLLC
2495 Main Street, Suite 301
Buffalo, New York 14214
Phone: (716) 803-6400
Fax: (716) 810-9504

DRAWN BY: AVT
CHECKED BY: TS
JOB # 23-194A

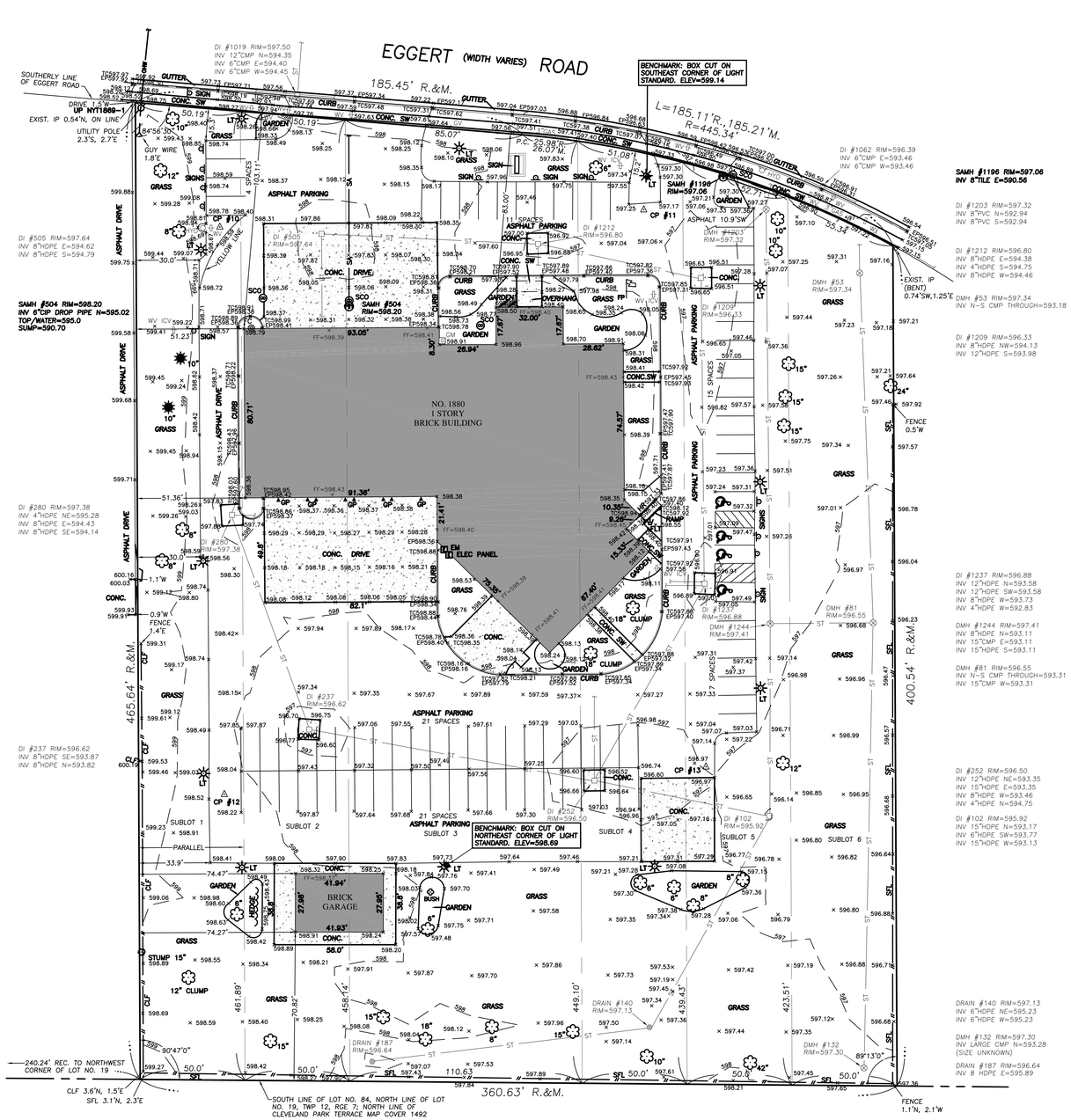
SHEET
C-6.0

Attachment: SP-1994-18_B_drawings_062625 (29950 : SP-1994-18B, 1880 Eggert Road)

WARNING: IT IS A VIOLATION OF SECTION 7209, SUBDIVISION 2, OF THE NEW YORK STATE EDUCATION LAW FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED ARCHITECT OR PROFESSIONAL ENGINEER, TO ALTER IN ANY WAY, PLANS, SPECIFICATIONS, OR REPORTS TO WHICH THE SEAL OF A LICENSED ARCHITECT OR PROFESSIONAL ENGINEER HAS BEEN APPLIED.

LEGEND

SFL	—x—	STOCKADE FENCE
CLF	—x—	CHAIN LINK FENCE
HR		HANDRAIL
		SIGN
GP		GUARD POSTS
FP		FLAG POLE
		TREE DECIDUOUS
		TREE CONIFEROUS
—G—		GAS LINE
GM		GAS METER
GV		GAS VALVE
DI		DRAINAGE INLET
DCI		DRAINAGE CURB INLET
DMH		STORM DRAINAGE MANHOLE
—ST—		STORM SEWER LINE
SAMH		SANITARY MANHOLE
SCO		SEWER CLEANOUT
—SA—		SANITARY SEWER LINE
INV		INVERT ELEVATION
LIGHT		LIGHT STANDARD
UP		UTILITY POLE
UPL		UTILITY POLE W/ LIGHT
		GUY WIRE
—OHW—		OVERHEAD WIRES
—UE—		UNDERGROUND ELECTRIC
— W —		WATER LINE
WV		WATER VALVE
WV ICV		IRRIGATION CONTROL VALVE
HYD		HYDRANT
FC		FILL CAP
CONC		CONCRETE
TC		TOP OF CURB
SW		SIDEWALK
EP		EDGE OF PAVEMENT
FF		FINISHED FLOOR
R&M		RECORD AND MEASURED
P.C.		POINT OF CURVATURE
CP		PRIMARY CONTROL POINT
BM		BENCHMARK



SURVEY CONTROL
VERTICAL DATUM = NAVD88 (GEOID 18)
HORIZONTAL DATUM = NAD83 (2011)

Point	Northing	Easting	Elevation	Description
10	1084737.3955	1086937.0718	598.67	MAGNAIL
11	1084737.5377	1087139.1855	597.38	MAGNAIL
12	1084467.1316	1086928.3557	598.39	MAGNAIL
13	1084471.0030	1087158.1616	597.08	MAGNAIL

NOTE: UNITS USED TO PREPARE THIS MAP ARE BASED ON THE U.S. SURVEY FOOT.

NOTE: THE UNDERGROUND UTILITIES SHOWN HAVE BEEN LOCATED FROM FIELD SURVEY INFORMATION AND EXISTING DRAWINGS. THE SURVEYOR MAKES NO GUARANTEES 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. THE SURVEYOR DOES CERTIFY THAT THEY ARE LOCATED AS ACCURATELY AS POSSIBLE FROM INFORMATION AVAILABLE. THE SURVEYOR HAS NOT PHYSICALLY LOCATED THE UNDERGROUND UTILITIES.

NOTE: WHEN ANY DESIGN OR RECONSTRUCTION INVOLVES A NEW CONNECTION TO EXISTING STORM OR SANITARY STRUCTURE AS SHOWN ON THIS DRAWING IT IS STRONGLY ADVISED THAT THE ENGINEER OR ARCHITECT CONTACT THE APPROPRIATE OPERATING AUTHORITY TO VERIFY THAT THE STRUCTURE BEING CONNECTED TO IS APPROPRIATE FOR ANY SUCH STORM OR SANITARY CONNECTION PRIOR TO PROCEEDING WITH DESIGN.

THIS SURVEY WAS PREPARED WITHOUT THE BENEFIT OF AN ABSTRACT OF TITLE AND IS SUBJECT TO ANY STATEMENT OF FACTS THAT MAY BE REVEALED BY AN EXAMINATION OF SUCH.

WARNING: ALTERING THIS DOCUMENT IS IN VIOLATION OF THE LAW EXCEPTING AS PROVIDED IN SECTION 7209, PART 2 OF THE NEW YORK STATE EDUCATION LAW.

ALL UNDERGROUND UTILITY LOCATIONS ARE APPROXIMATE. BEFORE YOU DIG, DRILL, OR BLAST, CALL UDIG NEW YORK AT 1-800-962-7962

CADD: 4954 EGGERTSVILLE FIRE COMPANY.DWG

DATE OF SURVEY	DATE OF REVISION	COMMENT	INT.

This map void unless Embossed with New York State Licensed Land Surveyors Seal No. 50510

Rosanne Frandina, PE, LS

1880 EGGERT ROAD
SBL 67.49-2-3.11
PARCEL AREA = 3.693± ACRES

TOPOGRAPHIC SURVEY
PART OF LOT NO. 84, TWP 12, RGE 7
OF THE HOLLAND LAND COMPANY'S SURVEY
TOWN OF AMHERST
COUNTY OF ERIE ~ STATE OF NEW YORK

FRANDINA ENGINEERING and LAND SURVEYING, PC
CIVIL ENGINEERS and LAND SURVEYORS
1701 Hertel Avenue, Buffalo, New York 14216
Phone: (716) 883-1299
www.FRANDINA.com

DATE : 2/7/2024	SHEET : 1 OF 1	DWN BY : M. CHILDS
JOB NO.: 4954	SCALE : 1" = 30'	CHK'D BY : RF

Attachment: SP-1994-18_B_drawings_062625 (29950 : SP-1994-18B, 1880 Eggert Road)

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

JUL 3 2025 AM

SEQR
Negative Declaration

NOTICE OF DETERMINATION OF NON-SIGNIFICANCE

Lead Agency: Town of Amherst Planning Board

Project: SP-1994-18_B

Address: 5583 Main Street
Williamsville, NY 14221
(716) 631-7051

Date: June 26, 2025

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 Action

Description of Action: To allow for the construction of a new 3,040 sq. ft. 1-story storage building to the south of the main fire hall building, a 728 sq. ft. addition to the accessory building in the southwest portion of the site, a 499 sq. ft. addition to the northeast corner of the main fire hall building, new covered patio on the south side of the main fire hall building along with new accessible parking and ramps, minor site re-grading, drainage, utilities, lighting and landscaping improvements.

Location: 1880 Eggert Road, Amherst, Erie County

Petitioner: Eggertsville Hose Company

Attachment: SP-1994-18B signed neg dec 062625 (29950 : SP-1994-18B, 1880 Eggert Road)

JUL 3 2025 AM9

REASONS SUPPORTING THIS DETERMINATION

Based on information submitted by the applicant including a Full Environmental Assessment Form (EAF) - Part I, (as amended) and Part 2 and a complete site plan application, a preliminary staff analysis was undertaken. 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 – Engineering Services Division on February 27, 2025 and Engineering Department – Sanitary Division on February 13, 2025 reviewed the Erosion Control, Grading, Drainage and Utility Plans submitted on January 21, 2025, Stormwater Drainage Design Report and Design Report for Sanitary Sewer Service submitted on January 21, 2025. 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 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. The Planning Department reviewed a Landscape Plan submitted on May 28, 2025 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 June 10, 2025, the Zoning Enforcement Officer in his/her review of June 10, 2025 have reviewed the application documents and Building Department in their review of February 6, 2025 has reviewed the application documents and determined that the subject project has or will have met all International Building Code – 2018 and Zoning Ordinance regulations.

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.

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 Community Facilities (CF) zoning district; neighboring uses are an adult care facility, detached single family residences and zoned Multifamily Residential District Seven (MFR-7) and Residential District Three (R3); therefore, the project is consistent with surrounding land uses.

6. The proposed subject development will include, a 3040 sq. ft. 1-story storage building a 728 sq. ft. addition to an accessory building and a 499 sq. ft. addition to the main fire hall 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 Amherst Fire Chief's Association on February 11, 2025 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.

Attachment: SP-1994-18B signed neg dec 062625 (29950 : SP-1994-18B, 1880 Eggert Road)

JUL 3 2025 AM9

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. The 3040 sq. ft. 1-story storage building, a 728 sq. ft. addition to an accessory building and a 499 sq. ft. addition to the main fire hall building will be consistent with the scale of surrounding land uses.

9. The function of the proposed Storage building and building additions will not significantly increase the number of people using the site over its previous level of use.

10. Review by the Town Traffic/Safety Board dated June 3, 2025 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 on February 4, 2025, Assessor on February 4, 2025, Plumbing Division on February 3, 2025, and Right-of-Way Agent on February 14, 2025 along with the outside agency Erie County Department of Environment and Planning on February 27, 2025. 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: O'Rourke; Seconded by: Penberthy; Ayes 5; Noes 0; Absent 2 (Kahn, Raffaele)

Scott Marshall, Principal Planner — Date 7/1/2025

Michael J. Chmiel, Planning Board Chair — Date 7/2/25

SM/ac
X:\Current_Planning\Files\Site Plans\1994\SP-1994-18_B_(1880_Eggert_Rd)_2025\SP-1994-18_B_neg dec_062526.docx
cc: Commissioner of Building
Town Engineer
Fire Chiefs'
Highway
Traffic/Safety
ECDEP
Eggertsville Hose Company, 1880 Eggert Road, Amherst, NY 14226
Andrew Terragnoli, Studio T3 Engineering, 2495 Main St, Suite 301, Buffalo, NY 14214
Robert Walter, RLA, 2745 Dodge Road, East Amherst, NY 14051

Attachment: SP-1994-18B signed neg dec 062625 (29950 : SP-1994-18B, 1880 Eggert Road)

TOWN OF AMHERST
PLANNING BOARD
SITE PLAN RESOLUTION
SP-1994-18_B

PETITIONER

Eggertsville Fire District
1880 Eggert Road
Amherst, NY 14226

PROPERTY LOCATION

1880 Eggert Road

JUL 3 2025 AM

WHEREAS, the Town of Amherst Planning Board on Thursday, June 26, 2025 held a public hearing on a Site Plan for a 3040 sq. ft. 1-story storage building, a 728 sq. ft. addition to an accessory building and a 499 sq. ft. addition to the main fire hall building at the subject location, 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. Review by the US Army Corps of Engineers under Section 404 of the Clean Water Act may be waived because the parcel is developed.

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,

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:

Attachment: SP-1994-18B signed resolution 062625 (29950 : SP-1994-18B, 1880 Eggert Road)

TOWN OF AMHERST
PLANNING BOARD
SITE PLAN RESOLUTION
SP-1994-18_B

PETITIONER

Eggertsville Fire District

PROPERTY LOCATION

1880 Eggert Road

JUL 3 2025 AM9

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. That a gate be provided on any dumpster enclosure and it shall be closed whenever the dumpster is not being serviced, the enclosure shall be high enough to screen the dumpster(s) within.

3. That as-built property 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 concerns raised in the Planning Department letter dated June 10, 2025 by the Zoning Enforcement Office and Planning Department Staff be addressed to the satisfaction of the officer and department staff.

5. That utility as-builts shall be provided to the Engineering Services Division prior to Certificate of Occupancy being issued as stipulated in the Engineering Department – Engineering Services Division letter dated February 27, 2025.

6. That the petitioner and or their contractor obtain any required permits from the Erie County Department of Public Works – Highway Division for any work within the Eggert Road right-of-way.

The foregoing resolution was adopted by the Town of Amherst Planning Board, June 26, 2025; moved by Penberthy; seconded by Davis; ayes 5; noes 0; absent 2 (Kahn, Raffaele).

Michael J. Chmiel, Planning Board Chair

7/2/25
Date

SM/ac
X:\Current_Planning\Files\Site Plans\1994\SP-1994-18_B_(1880_Eggert_Rd)_2025\SP-1994-18_B_resolution_062625.doc

cc: Commissioner of Building
Town Engineer
Fire Chiefs
Traffic/Safety
Highway Superintendent
ECDEP
Eggertsville Hose Company, 1880 Eggert Road, Amherst, NY 14226
Andrew Terragnoli, Studio T3 Engineering, 2495 Main St, Suite 301, Buffalo, NY 14214
Robert Walter, RLA, 2745 Dodge Road, East Amherst, NY 14051

Approved Plan: Studio T3 Engineering, PLLC
Received: May 28, 2025

Attachment: SP-1994-18B signed resolution 062625 (29950 : SP-1994-18B, 1880 Eggert Road)

Preliminary Plat Review for a Proposed 14 Building Lot Subdivision, SUB-2024-02_PP

Property located at 1789 Dodge Road
Joseph Rubino, Petitioner

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

In response to the Board's questions, Mr. Hopkins stated the proposed subdivision is higher density than the adjoining property but not the nearby subdivisions and discussed the potential headlight impact at 1780 and 1790 Dodge Road and their willingness to plant evergreen trees on both properties.

William Pitz, 1815 Dodge Road; Sandy Mack, 1790 Dodge Road; and Nancy Fender, 101 Main Street; spoke in opposition to the proposal.

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

Following discussion, Ms. Penberthy moved to deny the waiver to §204 of Town Code for the paved stub road and approve the waiver for sidewalks on the southerly property line. The motion was seconded by Mr. O'Rourke and carried. Ayes 5, Noes 0, Absent 2 (Kahn, Raffaele).

A motion to approve the Preliminary Plat was made by O'Rourke; seconded by Davis; ayes 3; noes 2 (Gill, Penberthy); absent 2 (Kahn, Raffaele). **The result is uncertain and the motion did not carry.**

The Motions and subsequent votes created great confusion as to their outcome and effect. Both the Applicant, through their attorney and members of the Public objected to the Motions and their potential results.

ATTACHMENTS:

- SUB-2024-02_PP application 062625 (PDF)
- SUB-2024-02_PP drawings 062625 (PDF)
- SUB-2024-02PP signed resolution 062625 (PDF)

RESULT:	**THE RESULT IS UNCERTAIN AND THE MOTION DID NOT CARRY [3 TO 2]**
MOVER:	Jonathan O'Rourke, Board Member
SECONDER:	John B. Davis, Board Member
AYES:	Michael Chmiel, John B. Davis, Jonathan O'Rourke
NAYS:	Harbinder Gill, Brittany Lee Penberthy
ABSENT:	Carrie H. Kahn, Joseph P. Raffaele Jr.

Preliminary Plat Application
Applicant: Joe Rubino
Location: 1789 Dodge Road

TOWN OF AMHERST PLANNING DEPARTMENT

Subdivision Application

For Official Use

File # 2024-02_PP _____ **Acreage** _____ **Fee $** _____

Type of Subdivision Application (check one):

Sketch Plan _____
Preliminary Plat _____
Final Plat _____

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)

		Fill In Applicable Fees
Sketch Plan	**$1,150.00**	
Preliminary Plat		
* 1 acre or less	**$1,250.00**	$1,250
* Each additional acre or fraction thereof *(fraction to be counted as 1 acre)*	**$ 650.00/acre**	$3,705
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	
Minor Modification to a Subdivision Plat	$ 325.00	
Stormwater Pollution Prevention Plan		
1 - 4.99 Acres	$ 500.00	
5 - 10 Acres	$ 750.00	$750
>10 Acres	$1,000.00	
Affidavit Fee for Public Hearing	**$ 15.00**	$15
Final Plat	**$ 450.00**	
	TOTAL FEE:	$4,970

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

A completed Part 1 of the Full Environmental Assessment Form with Attachments is provided at Exhibit "1"

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

SUBDIVISION APPLICATION (con't)

To Be Completed By Applicant

Petitioner:

Name: Joseph Rubino c/o Sean Hopkins, Esq.

Address: 35 California Drive, Suite 100

Williamsville (city) New York (state) 14221 (zip code)

Phone: 716.510-4338 Fax:

E Mail: shopkins@hsmlegal.com

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

Name: Carmina Wood Design

Address: 80 Silo City, Suite 100

Buffalo (city) New York (state) 14203 (zip code)

Phone: 716-842-3165 Fax:

E Mail: cwood @carminawooddesign.com

Subdivision Location & Address: 1789 Dodge Road

East Amherst, NY 14051

Town of Amherst, Erie County, New York

Zoning District(s): Residential District Three ("R-3")

Number of Proposed Sublots: 14 lots

Proposed Subdivision Name:

Proposed Street Names:

	☑ Public	☐ Private
	☐ Public	☐ Private
	☐ Public	☐ Private
	☐ Public	☐ Private

Current Planning/Application Forms 2019/Subdivision Application Form 2019
REVISED February 2021

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

Exhibit 1 - Part 1 of Full EAF with Page 5[a] and Attachments "A" and B

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

Full Environmental Assessment Form
Part 1 - Project and Setting

Prepared By: Sean W. Hopkins, Esq.
Hopkins Sorgi & McCarthy PLLC
35 California Road, Suite 100
Williamsville, New York 14221
Tel: 716.510-4338
E-mail: shopkins@hsmlegal.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 14 lot residential subdivision for detached single-family homes to be located on approximately 6.7 acres of land located at 1789 Dodge Road ("Project Site") zoned Residential District Three ("R-3") along with all related site improvements. 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 connecting 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 in accordance with the existing R-3 zoning classification. It is important to mention that the Town Board previously conducted a coordinated environmental review of the project that resulted in its issuance of a Negative Declaration on July 22, 2021. A copy of the Negative Declaration issued by the Town Board is provided at Attachment "A".		
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: 35 California Drive, Suite 100		
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_PP application 062625 (30512 : SUB-2024-02_PP, 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	Dedication of Public Roadway & PIPs	To be Determined
b. City, Town or Village Planning Board or Commission ☑Yes ☐No	Planning Board - Preliminary Plat and Final Plat Approval	February 14, 2025
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 - Wetland Permit, SPDES Permit and DSCA Approval	Wetland Permit Application is pending
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? The Town has adopted a LWRP ☐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_PP application 062625 (30512 : SUB-2024-02_PP, 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?
Residential District Three ("R-3")

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?
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? 5.61 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? 14
iv. Minimum and maximum proposed lot sizes? Minimum 8,450 sq. ft. Maximum 14,700

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_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

f. Does the project include new residential uses? ☑ Yes ☐ No

2.a

If Yes, show numbers of units proposed.

	One Family	Two Family	Three Family	Multiple Family (four or more)
Initial Phase	14			
At completion of all phases	14			

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: .4 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.

A copy of the wetland determination letter issued by the New York State Environment Environmental Conservation dated March 10, 2021 is provided at Attachment "B" . The Project Sponsor is proposing to impact 0.08 acres of impacts to the 100 ft. Adjacent Area of NYSDEC Freshwater Wetland CC-15.

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 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: 6,160 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: 6,160 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_PP application 062625 (30512 : SUB-2024-02_PP, 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 1.57 acres (impervious surface)

_____ Square feet or 6.7 acres (parcel size)

ii. Describe types of new point sources. Stormwater runoff from impervious surfaces on the Project Site.

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)?

On-site stormwater management system.

- 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_PP application 062625 (30512 : SUB-2024-02_PP, 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_PP application 062625 (30512 : SUB-2024-02_PP, 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_PP application 062625 (30512 : SUB-2024-02_PP, 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	1.57	1.2
• Forested	1.9	1.60	(0.3)
• 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
• 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_PP application 062625 (30512 : SUB-2024-02_PP, 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_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

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? > 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_PP application 062625 (30512 : SUB-2024-02_PP, 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_PP application 062625 (30512 : SUB-2024-02_PP, 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.

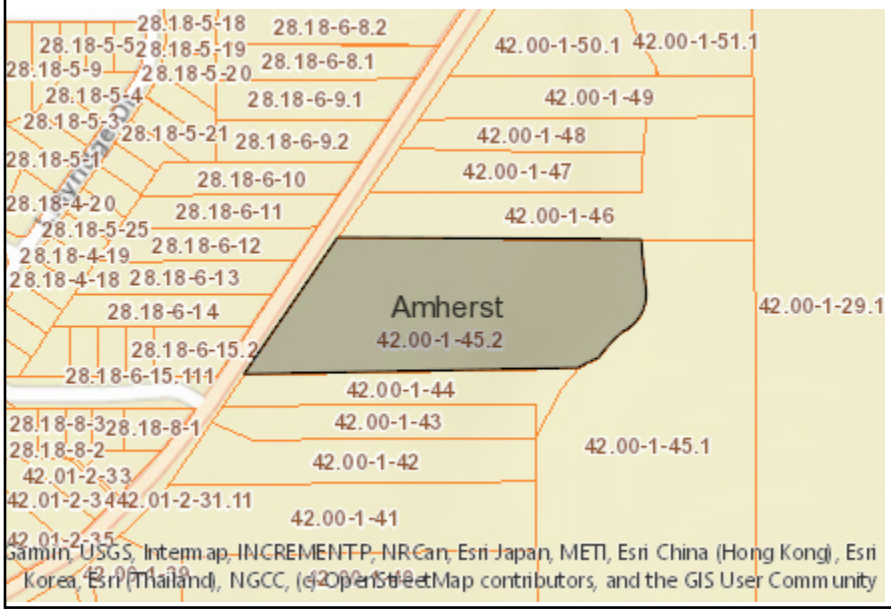
Applicant/Sponsor Name Joe Rubino Date February 13, 2025

Signature Sean Hopkins Title Counsel for Project Sponsor

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

PRINT FORM

EAF Mapper Summary Report



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]	837-47
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_PP application 062625 (30512 : SUB-2024-02_PP, 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_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

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
(ElB) Elorna loamy fine sand	cutbanks cave	moderate, wetness	severe: wetness	moderate, wetness	severe: wetness
(CH) Cheektowaga fine sandy loam	too clayey	severe: wetness	severe: wetness	severe: wetness	severe: wetness

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:
   N/A

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 Future Youngs Road Extension by the Town of Amherst

   (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 14 (PM peak)
   Source: ITE Manual - Trip Generation

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:
   6,160 GPD average flow 26,460 GPD 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: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

Attachment A - Negative Declaration Issued by the Town Board pursuant to SEQRA on July 22, 2024

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

Amherst

Town of Amherst Planning Department *Erie County, New York*

Brian J. Kul
Supervisor

Daniel C. Howard
Planning Dire

Daniel J. Ulatowsk
Assistant Planning

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_PP application 062625 (30512 : SUB-2024-02_PP, 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_PP application 062625 (30512 : SUB-2024-02_PP, 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_PP application 062625 (30512 : SUB-2024-02_PP, 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_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

Attachment B - Jurisdictional Determination issued by the NYSDEC dated March 10, 2021

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

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 I 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

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 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,

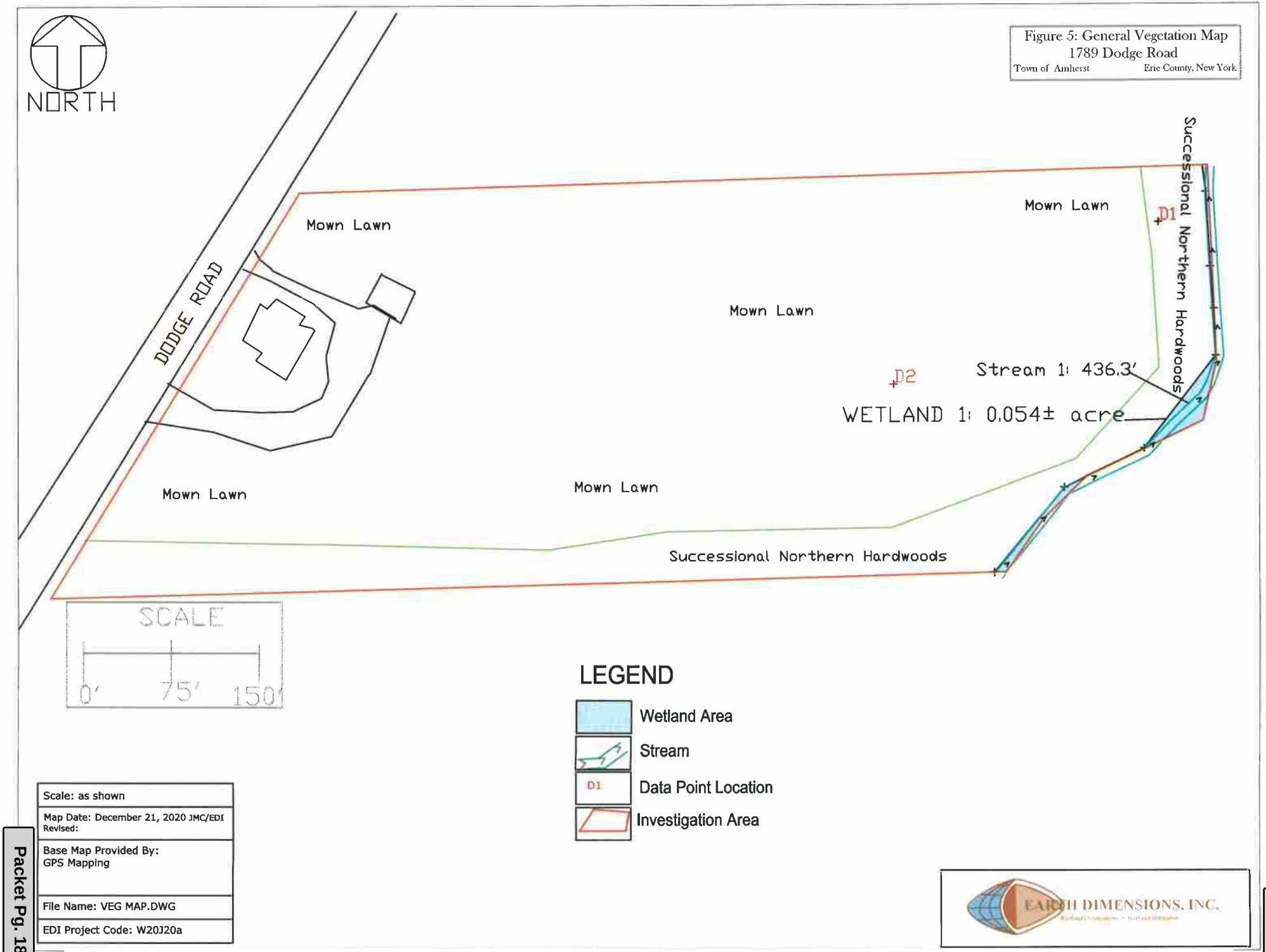
Angela G. Driscoll
Wetlands & Waters Ecologist
Region 9 - Buffalo

AGD:ef

Attach: Survey Requirements
Wetland Information Handout

cc: Ms. Jody Celeste, Earth Dimensions, Inc.
Wetland CC-15 file

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)



Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

Full Environmental Assessment Form

Part 1 - Project and Setting

Prepared By: Sean W. Hopkins, Esq.
Hopkins Sorgi & McCarthy PLLC
35 California Road, Suite 100
Williamsville, New York 14221
Tel: 716.510-4338
E-mail: shopkins@hsmlegal.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 14 lot residential subdivision for detached single-family homes to be located on approximately 6.7 acres of land located at 1789 Dodge Road ("Project Site") zoned Residential District Three ("R-3") along with all related site improvements. 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 connecting 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 in accordance with the existing R-3 zoning classification. It is important to mention that the Town Board previously conducted a coordinated environmental review of the project that resulted in its issuance of a Negative Declaration on July 22, 2021. A copy of the Negative Declaration issued by the Town Board is provided at Attachment "A".		
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: 35 California Drive, Suite 100		
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_PP application 062625 (30512 : SUB-2024-02_PP, 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	Dedication of Public Roadway & PIPs	To be Determined
b. City, Town or Village Planning Board or Commission ☑Yes ☐No	Planning Board - Preliminary Plat and Final Plat Approval	February 14, 2025
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 - Wetland Permit, SPDES Permit and DSCA Approval	Wetland Permit Application is pending
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? The Town has adopted a LWRP ☐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_PP application 062625 (30512 : SUB-2024-02_PP, 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?
Residential District Three ("R-3")

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?
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? 4.55 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? 17
iv. Minimum and maximum proposed lot sizes? Minimum 8,450 sq. ft. Maximum 14,700

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_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

f. Does the project include new residential uses? ☑ Yes ☐ No

2.a

If Yes, show numbers of units proposed.

	One Family	Two Family	Three Family	Multiple Family (four or more)
Initial Phase	14			
At completion of all phases	14			

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: .4 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.

A copy of the wetland determination letter issued by the New York State Environment Environmental Conservation dated March 10, 2021 is provided at Attachment "B" . The Project Sponsor is proposing to impact 0.08 acres of impacts to the 100 ft. Adjacent Area of NYSDEC Freshwater Wetland CC-15.

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 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: 6,160 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: 6,160 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_PP application 062625 (30512 : SUB-2024-02_PP, 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 1.57 acres (impervious surface)

_____ Square feet or 6.7 acres (parcel size)

ii. Describe types of new point sources. Stormwater runoff from impervious surfaces on the Project Site.

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)?

On-site stormwater management system.

- 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_PP application 062625 (30512 : SUB-2024-02_PP, 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_PP application 062625 (30512 : SUB-2024-02_PP, 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_PP application 062625 (30512 : SUB-2024-02_PP, 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	2.35	2.05
• Forested	1.9	1.60	(0.3)
• 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
• 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_PP application 062625 (30512 : SUB-2024-02_PP, 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_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

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? > 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_PP application 062625 (30512 : SUB-2024-02_PP, 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_PP application 062625 (30512 : SUB-2024-02_PP, 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 March 21, 2025

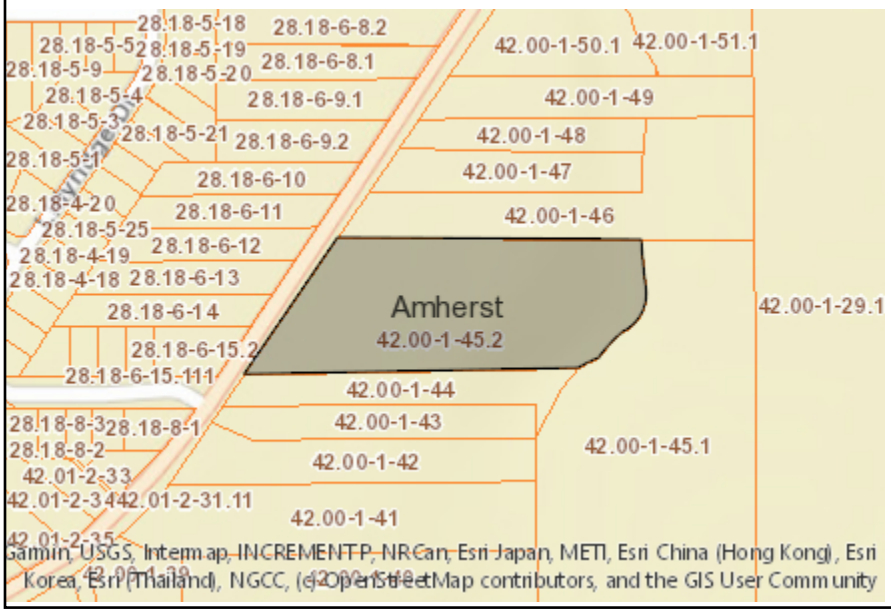
Signature _____ Title Counsel for Project Sponsor

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

PRINT FORM

EAF Mapper Summary Report

Monday, December 21, 2020 3:3[illegible] P.M.



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]	837-47
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_PP application 062625 (30512 : SUB-2024-02_PP, 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_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

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
(ElB) Elorna loamy fine sand	cutbanks cave	moderate, wetness	severe: wetness	moderate, wetness	severe: wetness
(CH) Cheektowaga fine sandy loam	too clayey	severe: wetness	severe: wetness	severe: wetness	severe: wetness

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:
   N/A

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 Future Youngs Road Extension by the Town of Amherst

   (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 14 (PM peak)
   Source: ITE Manual - Trip Generation

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:
   6,160 GPD average flow 26,460 GPD 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: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

Attachment A - Negative Declaration Issued by the Town Board pursuant to SEQRA on July 22, 2024

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

Amherst

Town of Amherst Planning Department *Erie County, New York*

Brian J. Kul
Supervisor

Daniel C. Howard
Planning Dire

Daniel J. Ulatowsk
Assistant Planning

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_PP application 062625 (30512 : SUB-2024-02_PP, 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_PP application 062625 (30512 : SUB-2024-02_PP, 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_PP application 062625 (30512 : SUB-2024-02_PP, 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_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

Attachment B - Jurisdictional Determination issued by the NYSDEC dated March 10, 2021

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

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 I 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

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 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,

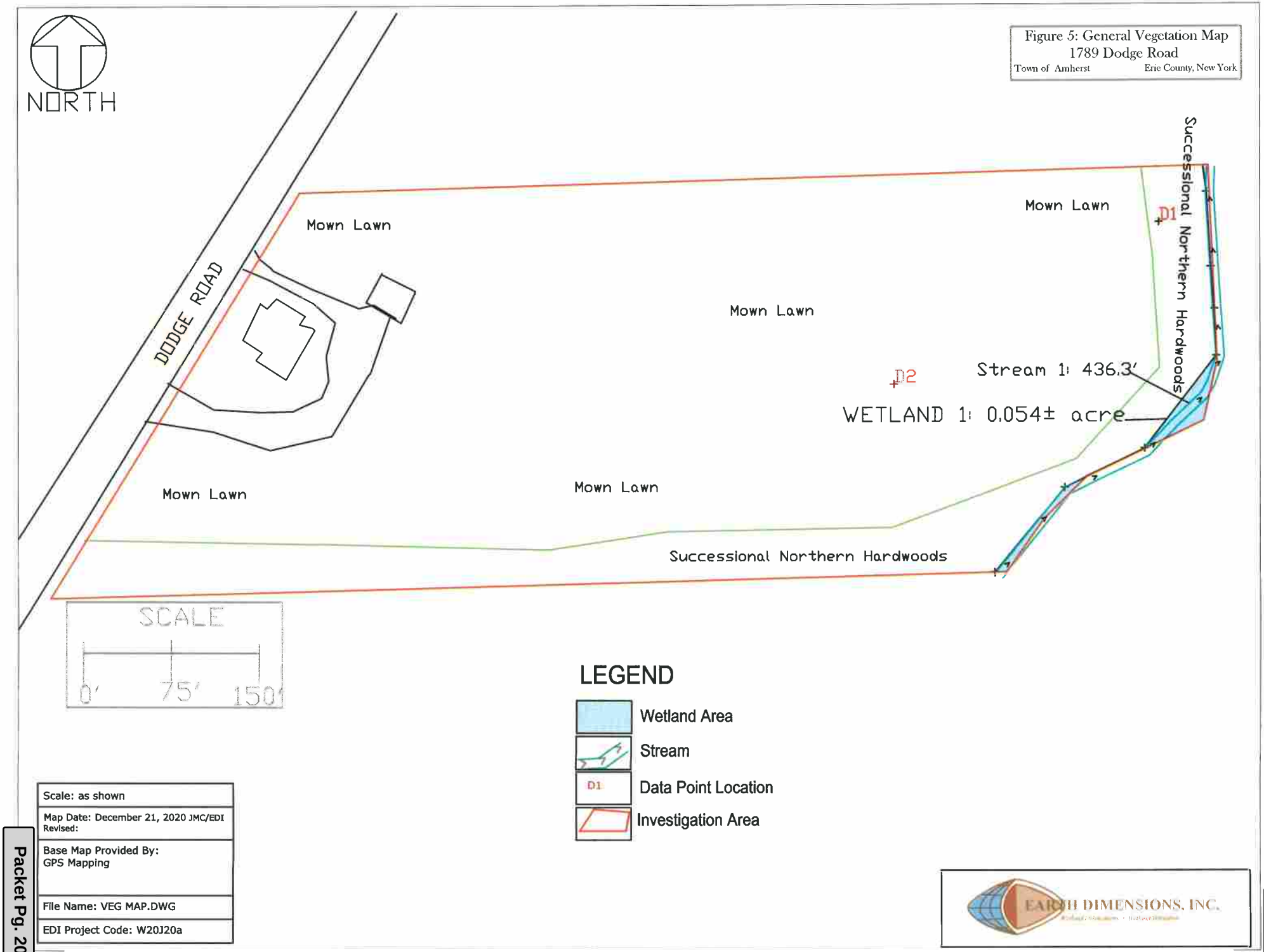
Angela G. Driscoll
Wetlands & Waters Ecologist
Region 9 - Buffalo

AGD:ef

Attach: Survey Requirements
Wetland Information Handout

cc: Ms. Jody Celeste, Earth Dimensions, Inc.
Wetland CC-15 file

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)



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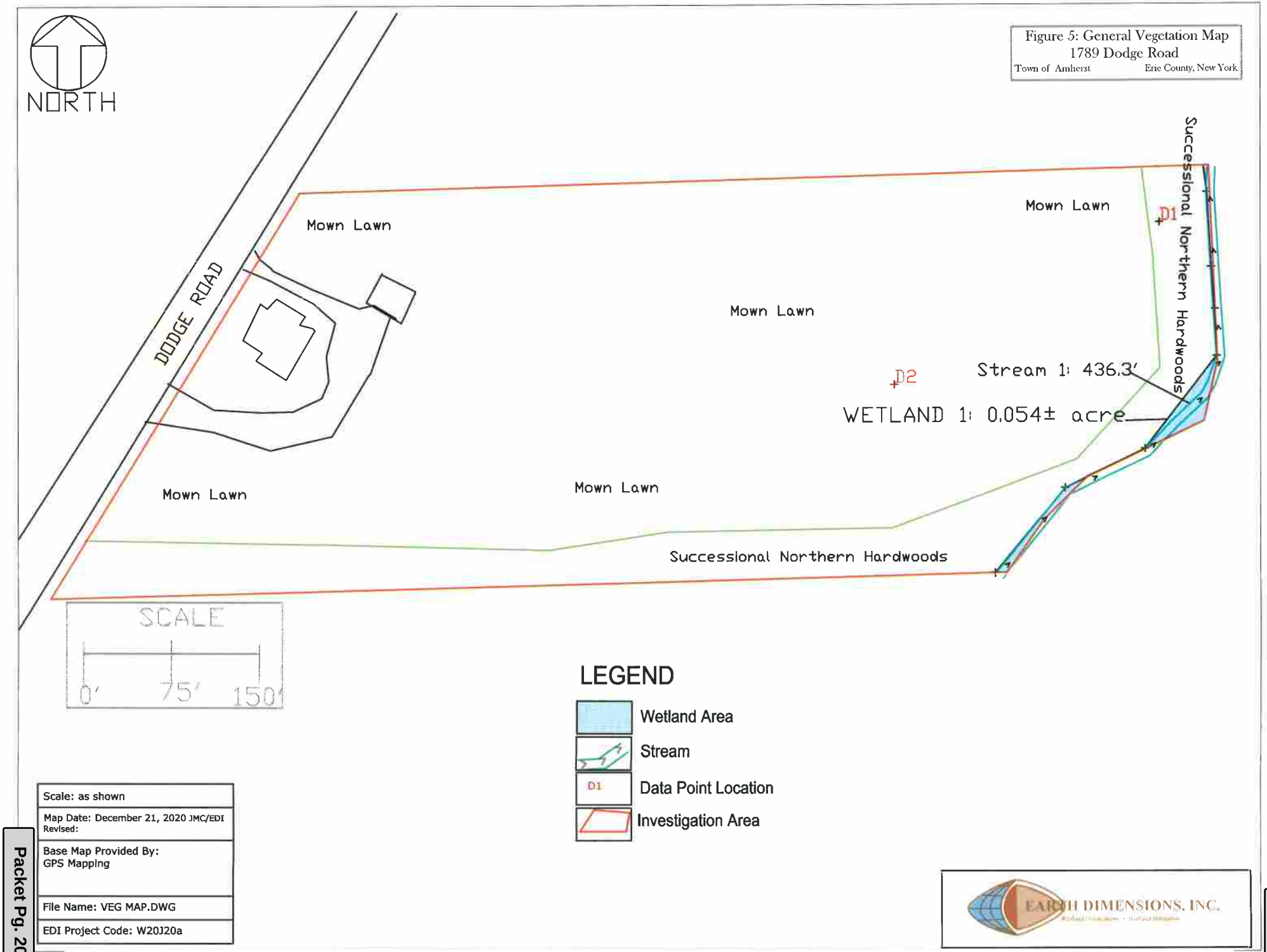


Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

CARMINA WOOD DESIGN

STORMWATER POLLUTION PREVENTION PLAN
for
CONSTRUCTION ACTIVITIES

At

Single Family Subdivision
1789 Dodge Road
Town of Amherst, Erie County, New York

Prepared for

Joesph Rubino

5500 Main Street, Suite 343
Williamsville, New York, 14221

Prepared by

Carmina Wood Design

80 Silo City Row, Suite 100
Buffalo, NY 14203

Telephone: (716) 842-3165
Fax: (716) 842-0263

March 2025

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

Table of Contents

Section 101 - Scope

Section 102 - Project Name and Location

Section 103 - Operator's Name and Address

Section 104 - Project Description

Section 105 - Runoff Coefficient, Soils and Rainfall Information

Section 106 - Name of Receiving Waters

Section 107 - Indian Country Lands

Section 108 - Endangered or Threatened Species

Section 109 - Critical Habitat

Section 110 - Historic Places

Section 111 - Wetlands and/or Other Surface Waters

Section 112 - Erosion and Sediment Controls

- **Section 112.1** - Stabilization Practices
- **Section 112.2** - Structural Practices
- **Section 112.3** - Sequence of Major Activities
- **Section 112.4** - Storm Water Management

Section 113 - Other Controls

Section 114 - Compliance with Federal, State and Local Regulations

Section 115 - Inspection and Maintenance Procedures

Section 116 - Inspection and Maintenance Report Forms

Section 117 - Other Record-Keeping Requirements

Section 118 - Spill Prevention Control and Countermeasures (SPCC) Plan

- **Section 118.1** - Materials Covered
- **Section 118.2** - Material Management Practices
- **Section 118.3** - Spill Prevention and Response Procedures

Section 119 - Control of Non-Storm Water Discharges

Section 120 - Storm Water Control Facility Maintenance

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

Table of Contents (con't)

Appendix A Site Location Map

Appendix B NYSDEC Notice of Intent (NOI)

Appendix C MS4 SWPPP Acceptance Form

Appendix D NYSDEC SPDES General Permit for Stormwater Discharges from Construction Activity Permit No. GP-0-25-001

Appendix E Forms

- Contractor's Certification
- Owner/Operator Certification
- SWPPP Preparer Certification

Appendix F NYSDEC Notice of Termination (NOT)

Appendix G Construction Documents

Appendix H Soils Information

Appendix I NYSHPO Information

Appendix J Standard Erosion Control Details

Appendix K Wetland Delineation Report by Earth Dimensions Inc. Dated 12/21/2020

Appendix L

- Town of Amherst Stormwater Maintenance Agreement
- Checklists

Appendix M NYSDEC Letter

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

101 SCOPE

A. **PURPOSE:** Joseph Rubino (JR) has placed an emphasis on following the New York State Department of Environmental Conservation (NYSDEC) SPDES General Permit for Stormwater Discharges from Construction Activity governing storm water discharges during construction, and in accordance with erosion control practices. The Contractor's participation in this program is mandatory and its non-compliance is subject to various remedies, including without limitation, monetary set-offs, withholding payments; reimbursement for costs, expenses (including reasonable attorney's fees), fines and civil penalties incurred by JR; and/or liquidated damages. This section provides a descriptive explanation of JR's Storm Water Pollution Prevention Program and required Contractor participation.

The Engineer of record for this project certifies that this SWPPP meets the requirements and is in compliance with the New York State Stormwater Management Design Manual and latest NYSDEC Phase II stormwater regulation requirements.

B. **SPDES General Permit for Stormwater Discharges from Construction Activity:** Regulations promulgated by the NYSDEC to regulate the discharge of storm water from construction activities on sites where more than one (1) acre of soil is disturbed. One of the ways to comply with these regulations for affected sites is to request coverage under the General Permit for Construction Activities for New York State. In order to use the General Permit, a Notice of Intent (NOI) form must be completed and submitted to the NYSDEC and a Storm Water Pollution Prevention Plan (SWPPP) for the site must be prepared and followed during the construction activities.

Approval from a regulated, traditional land use control MS4:

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 develop a SWPPP in accordance with all applicable requirements of this permit and then submit a completed NOI form to the NYSDEC.

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 develop a SWPPP in accordance with all applicable requirements of this permit and then have its SWPPP reviewed and accepted by the MS4 prior to submitting the NOI to the NYSDEC. The **owner or operator** shall have the "MS4 SWPPP Acceptance" form 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, and then submit that form along with the NOI to the address referenced under "Notice of Intent (NOI) Submittal".

C. **RESPONSIBILITIES OF THE CONTRACTOR:** The Contractor shall manage the discharge of storm water from the site in accordance with the NYSDEC General Permit for Construction Activities conditions and the following provisions of this section. The Operator shall be responsible for conducting the storm water management practices in accordance with the permit. The Contractor shall be responsible for providing **qualified inspectors** to conduct the inspections required by the SWPPP. The Contractor shall be responsible for any enforcement action taken

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

or imposed by federal, state, or local agencies, including the cost of fines, construction delays, and remedial actions resulting from the Contractor's failure to comply with the permit provisions. It shall be the responsibility of the Contractor to make any changes to the SWPPP necessary when the Contractor or any of his subcontractors elects to use borrow or fill or material storage sites, either contiguous to or remote from the construction site, when such sites are used solely for this construction site. Such sites are considered to be part of the construction site covered by the permit and this SWPPP. Off-site borrow, fill, or material storage sites which are used for multiple construction projects are not subject to this requirement, unless specifically required by state or local jurisdictional entity regulations. The Contractor should consider this requirement in negotiating with earthwork subcontractors, since the choice of an off-site borrow, fill, or material storage site may impact their duty to implement, make changes to, and perform inspections required by the SWPPP for the site.

D. **NOTICE OF INTENT:** The Operator has petitioned the NYSDEC for coverage under the storm water discharges during construction at this site to be covered by the SPDES General Permit for Construction Activity for the State of New York. A Notice of Intent (NOI) for coverage under this permit has been filed by the Operator. The SWPPP must be prepared prior to submittal of the NOI form. The Operator will require the Contractor to be a co-permittee with the Operator. The Contractor will be required to maintain the NOI at the construction site along with any building permits. Construction work can begin 5 business days after the submittal of the eNOI. The MS4 SWPPP Acceptance Form must also be submitted along with the SWPPP.

E. **CONTRACTOR CERTIFICATION & TRAINING:** Proof of Training/Certification of the Contractor's designated individual shall be kept on site at all times.

F. **REQUIREMENTS FOR THE GENERAL CONTRACTOR AND SUBCONTRACTOR(S):** The General Contractor and Subcontractor(s) shall sign the "Contractor's Certification Statement" (located in the Appendix of this report) verifying they have been instructed on how to comply with and fully understand the requirements of the SPDES General Permit for Construction Activity for the State of New York and the SWPPP. These certifications must be signed, by a responsible corporate officer or other party meeting the "Signatory Requirements" of the SPDES General Permit, on behalf of each entity, prior to the beginning of any construction activities.

G. **STORM WATER POLLUTION PREVENTION PROGRAM LOCATION REQUIREMENTS:** The SWPPP is meant to be a working document that shall be maintained at the site of the Construction Activities at all times throughout the project, shall be readily available upon request by the Operator's personnel or NYSDEC or any other agency with regulatory authority over storm water issues, and shall be kept on-site until the site complies with the Final Stabilization section of this document. A sign or other notice must be posted near the main entrance of the construction site which contains a completed NOI, the location of the SWPPP and the name and phone number of a contact person responsible for scheduling SWPPP viewing times, and any other state specific requirements.

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

H. **INSPECTIONS AND RECORD-KEEPING:**

A. <u>General Construction Site Inspection and Maintenance Requirements</u>

1. The **owner or operator** must ensure that all erosion and sediment control practices and all post-construction stormwater management practices identified in the SWPPP are maintained in effective operating condition at all times.

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. <u>Owner or operator Maintenance Inspection Requirements</u>

1. The **owner or operator** shall inspect, in accordance with the requirements in the most current version of the technical standard, New York State Standards and Specifications for Erosion and Sediment Control, the erosion and sediment controls identified in the SWPPP to ensure that they are being maintained in effective operating condition at all times.

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 **owner or operator** can stop conducting the maintenance inspections. The **owner or operator** shall begin conducting the maintenance inspections in accordance with Part IV.B.1. of the General 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 **owner or operator** 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. <u>Qualified inspector Inspection Requirements</u>

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 of the General Permit **cannot** conduct the **qualified inspector** site inspections unless they meet the **qualified inspector** qualifications included in Appendix A of the General Permit. In order to perform these inspections, the trained contractor would have to be a:

- Licensed Professional Engineer,

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

- Certified Professional in Erosion and Sediment Control (CPESC),
- 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 of the General Permit, 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 in one of the watersheds listed in Appendix C of the General Permit and not directly discharging to one of the 303(d) segments listed in Appendix E of the General Permit;

   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 of the General Permit;

   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 of the General Permit that involve soil disturbances between five thousand (5000) 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.C.3 of the General Permit 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**

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

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 Regional Office stormwater contact person (see contact information in Appendix F of the General Permit) or, in areas under the jurisdiction of a regulated, traditional land use control MS4, the MS4 (provided the MS4 is not the **owner or operator** of the construction activity) in writing prior to reducing the frequency of inspections.

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 Regional Office stormwater contact person or, in areas under the jurisdiction of a regulated, traditional land use control MS4, the MS4 (provided the 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 NOT shall then be signed by the MS4 and the **owner or operator** shall then submit the completed NOT form to the address in Part II.A.1 of the General Permit.

3. At a minimum, the **qualified inspector** shall inspect all erosion and sediment control practices 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:

   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;

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

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 that need repair or maintenance;

g. Identification of all erosion and sediment control practices that were not installed properly or are not functioning as designed and need to be reinstalled or replaced;

h. Description and sketch of areas that are disturbed 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 to correct deficiencies identified with the construction of the post-construction stormwater management practice(s); and

k. 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 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.

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

6. All inspection reports shall be signed by the **qualified inspector**. Pursuant to Part II.C.2 of the General Permit, the inspection reports shall be maintained on site with the SWPPP. Copies of the inspection reports shall also be provided to the MS4 electronically.

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 site achieves final stabilization. This period may be extended by the Department, in its sole discretion, at any time upon written notification.

I. **SWPPP MODIFICATIONS:** The inspection report should also identify if any revisions to the SWPPP are warranted due to unexpected conditions. The SWPPP is meant to be a dynamic working guide that is to be kept current and amended whenever there is a change in design, construction, operation, or maintenance at the construction site that has or could have a significant effect on the discharge of pollutants or when the plan proves to be ineffective in eliminating or significantly minimizing pollutant discharges. The Contractor's failure to modify or report deficiencies to the Operator will result in the Contractor being liable for fines and construction delays resulting from any federal, state, or local agency enforcement action.

J. **FINAL STABILIZATION AND TERMINATION OF PERMIT COVERAGE:** A site can be considered finally stabilized when all soil disturbing activities have been completed and a uniform perennial vegetative cover with a density of **85%** for the unpaved areas and areas not covered by permanent structures has been established or equivalent permanent stabilization measures have been established and the facility no longer discharges storm water associated with construction activities and a Notice of Termination (NOT) form filed by the Operator(s) with the NYSDEC. The Operator's Project Manager must complete the NOT. The NOT must be signed by the signatory (or equivalent position) on the NOI, and the qualified inspector, and must be submitted to the MS4 for signature. The MS4 may require a final inspection before signing the NOI. The owner must subsequently submit to DEC once the MS4 has signed NOI. The Operator's Project Manager must provide a completed copy of the NOT to the Contractor for inclusion in the SWPPP, which will then be optically scanned into the final SWPPP document as required. This filing terminates coverage under the General Permit and terminates the Contractor's responsibility to implement the SWPPP, but the requirements of the SWPPP, including periodic inspections, must be continued until the NOT is filed. The **owner or operator** shall also have the **qualified inspector** perform a final site inspection prior to submitting the NOT to the Department. Final payment and/or the release of retainage may be withheld until all provisions of the SWPPP have been submitted, completed and accepted by the Operator.

102 PROJECT NAME AND LOCATION

Dodge Road Single Family Subdivision

Dodge Road

Town of Amherst, County of Erie, New York

Easting: -78.7281

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

Northing: 43.0301

Estimated Area of Site ≈ 6.7 acres

Estimated Area to be disturbed by Construction Activities ≈ 5.6 acres

A general location map is included as Appendix A.

103 OPERATOR'S NAME AND ADDRESS

Joseph Rubino

5500 Main Street, Suite 343

Williamsville, New York

Contact Person:

Telephone: 716-510-4338

104 PROJECT DESCRIPTION

This project is a development of a 6.71 acre site located on the east side of Dodge Road in the Town of Amherst for a single family subdivision. Construction will consist of a proposed public roadway, public storm sewer, sanitary sewer and water mains, lighting and landscaping improvements. Seventeen (17) lots are proposed for the roadway extension, fourteen (14) of which will be building lots. One lot will be used for stormwater management areas and two lots will be permeant open space areas. Currently the site consists of a single-family house, but the majority of the site is undeveloped woodlands, wetlands and open grass areas. Approximately 0.12 acres of the site are designated as Federal wetlands. The proposed site development area to be disturbed for this project is approximately 5.61 acres when construction is completed.

Soil disturbing activities will include:

A. Construction of temporary construction exit point

B. Clearing & grubbing of the site within disturbance limits

C. Installation of the detention basin, bioretention area including topsoil & seed

D. Installation of storm sewer pipes and inlets

E. Construction of utilities

F. Construction of curbing and pavement

G. Final grading & landscaping

H. Construction of buildings

The site is owned by Joeseph Rubino and will be developed by Joseph Rubino. The work area consists of approximately 5.6 acres for which erosion and sediment controls have been

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

developed and fully addressed in this written plan and the Erosion and Sediment Control Plans. See the construction documents for additional details.

105 RUNOFF COEFFICIENT, SOILS, AND RAINFALL INFORMATION

The soils on the portion of the site in the project area consists of 100% “D” type soils per the Web Soil survey. The initial composite runoff curve number for the pre-construction site is "CN" = 79 (Wood/grass). The post-construction runoff curve number for the site will be "CN" = 87 (1/4 acre lots, 38% imp Use). The site is 6.7 acres of which approximately 5.6 acres will be disturbed by construction activities.

See soils information located in Appendix H.

The site is in Erie County, which receives an average of approximately 45 inches rainfall annually with the highest amounts of rainfall received in the months of May thru September. Annual snow for this area is approximately 120 inches.

106 WATERS

The runoff generated from the site will drain east via a storm sewer system, discharge into a bioretention basin, which outfall into a dry pond, which has a controlled discharge to a manmade drainage ditch, which then outfalls into the existing adjacent wetlands.

107 INDIAN COUNTRY LANDS

This project is not located on Indian Lands.

108 ENDANGERED AND THREATENED SPECIES

No endangered or threatened species have been determined to be on the site.

109 CRITICAL HABITAT

See section 108 above.

110 HISTORIC PLACES

The assessed property and proposed activity is not in an area of identifiable archaeological sensitivity and no known registered, eligible or inventoried archaeological sites of historic were identified.

111 WETLANDS AND/OR OTHER SURFACE WATERS

0.054 NYSDEC wetlands were delineated on site by Earth Dimensions Inc. The majority of these wetlands are east of the development area and only 0.08 acres of wetland buffer area will be disturbed. The Wetland Delineation Report is included in the Appendix of this report.

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

112 EROSION AND SEDIMENT CONTROLS

112.1 STABILIZATION PRACTICES

Stabilization practices for this site include:

A. Land clearing activities shall be done only in areas where earthwork will be performed and shall progress as earthwork is needed.

B. Use of stabilization method for all slopes having a slope greater than 1V:3H.

C. Seeding and planting of all disturbed areas

D. Vegetation preservation in undisturbed areas.

E. Frequent watering to minimize wind erosion during construction.

a. **For sites where 5 acres or more are disturbed at any one time:** In areas where soil disturbance activity has been temporarily or permanently ceased, temporary and/or permanent soil stabilization measures shall be installed and/or implemented within seven (7) days from the date the soil disturbance activity ceased. The soil stabilization measures selected shall be in conformance with the most current version of the New York Standards and Specifications for Erosion and Sediment Control.

b. The **owner or operator** shall prepare a phasing plan that defines maximum disturbed area per phase and shows required cuts and fills.

c. The **owner or operator** shall install any additional measures needed to protect water quality.

112.2 STRUCTURAL PRACTICES

A. Inlet protection using a method detailed in the Construction Documents.

B. Perimeter protection using temporary silt fence/silt sock or silt sock.

C. Outlet protection using rip-rap stone and end sections.

D. Stabilized Construction Entrance.

E. Temporary stone wash off areas.

F. Storm sewer, curb/gutter.

G. Sediment traps and basins.

112.3 SEQUENCE OF MAJOR ACTIVITIES

The Contractor will be responsible for implementing the following erosion control and storm water management control measures. The Contractor may designate these tasks to certain subcontractors as he sees fit, but the ultimate responsibility for implementing these controls

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

and ensuring their proper functioning remains with the Contractor. The order of activities will be as follows:

Construct temporary construction exit at locations shown on the Demolition & Erosion Control Plans.

B. Install perimeter silt fence/silt socks in the locations shown on the Demolition & Erosion Control Plan Sheet.

C. Clear & Grub site.

D. Installation of detention basin to act as sediment basin (do not install bioretention soil or underdrains until stabilized)

E. Commence site grading.

F. Disturbed areas of the site where construction activity has ceased for more than 14 days shall be temporarily seeded and watered.

G. Installation of proposed utilities.

H. Finalize pavement subgrade preparation.

I. Construct all curb, drainage inlets, storm sewer pipes and storm sewer manholes, as shown on the plans. Install temporary inlet protection at the locations of all inlets.

J. Dust control.

K. Remove inlet protection around inlets and manholes no more than 48 hours prior to placing stabilized base course.

L. Install base material as required for pavement.

M. Carry out final grading and seeding and planting.

N. Clean storm system following construction, clean detention basins of any silt and return to design grades.

Construct buildings.

O. Remove silt fencing/silt sock only after all paving is complete and exposed surfaces are stabilized.

P. Remove temporary construction exits only prior to pavement construction in these areas.

Q. Sequent of Operation for Individual Lot Grading and Erosion Sediment Control

1. Notify sediment control inspector at least 24 hours prior to start of construction.

2. Survey and stakeout for clearing, stripping and erosion control activities.

3. Install erosion and sediment controls

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

4. Perform the necessary work to ensure proper surface drainage while maintaining erosion and sediment control as defined by Town specification and design drawings.

5. When activities temporarily cease during construction, soil stockpiles and exposed soil should be stabilized by seed and mulch or other appropriate measure as soon as possible, but in no case more than 1 days after construction activity has ceased.

6. Notify sediment control inspector and obtain approval before proceeding further.

7. Site preparation and construction shall not adversely affect the free flow of storm runoff or water courses.

8. Upon completion of utility installation, restoration shall commence.

9. Erosion and sediment controls are to be removed as their usefulness diminish. At all instances, notify the sediment control inspector and obtain written approval before removal of any erosion and sediment control devices.

Note: Sediment control storage during construction (traps & basins) during construction shall be 134 cy per acre of disturbance per NYSDEC requirements.

112.4 STORM WATER MANAGEMENT

The site drains from the west to the east and south. A portion of the site drains to Dodge Road on the west side of the property. The rest of the site drains to the south side of the property or to an existing federal wetland on the east side of the property.

The proposed onsite storm sewer system for this development project consists of smooth interior and perforated HDPE pipes connected by a series of catch basins. The storm water management system for this project consists of one bioretention areas and one pond that has an outlet control structure prior to discharge. The ponds drain to the existing wetland. The bioretention areas proposed on site are designed to provide 100% of the required Runoff Reduction volume (RRv) for the site. The soils in the vicinity of the bioretention area are mainly USDA hydrologic group 'D' and therefore the system will be installed with underdrains per NYSDEC requirements. The bioretention areas will consist of 8" perforated HDPE underdrains in 12" of drainage gravel, followed by filter fabric and then finally 30" minimum of planting soil. Overflow catch basins will be installed to allow 6" maximum temporary ponding for RRv treatment. The proposed detention pond outlet control pipe is designed to accommodate the 1-year through 100-year storm events controlling the offsite runoff rate to less than the existing runoff rates for pre-development drainage area which drains to the existing stream.

Runoff reduction volume (RRv), water quality volume (WQv) and stormwater volume attenuation for the site is designed in accordance with Chapter 4 of the NYSDEC Stormwater design manual. The bioretention areas will be provided as a "green infrastructure" practice to provide runoff reduction to meet the Chapter 4 requirements for the currently undeveloped areas. Runoff from the site was looked at as a whole for the calculation of volume attenuation requirements. The amount of impervious cover post-development is 1.57 acres. The proposed

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

detention ponds are designed to accommodate the 1-year through 100-year storm events controlling the offsite runoff rate to less than the existing runoff rates.

Town of Amherst Requirement:

The Town of Amherst requires that the 25-year proposed storm event be attenuated with detention and that the outlet be restricted to the 10-year existing storm event. This volume of 16,041 cf is accommodated in the detention basin at elevation 583.35. At this elevation, the outlet discharge will be restricted to 6.29 cfs from the pond, which is less than the existing 10-year peak runoff outflow of 7.47 cfs of the overall site.

The NYSDEC Stormwater Management Design Manual requires a five-step process for Stormwater Management Planning as outlined in Chapter 3. The five steps include:

1. Site planning to preserve natural features and reduce impervious cover.
    - 2.7 acres of existing vegetation at east will remain and be protected, and rear of the subdivided lots north and south will remain as green space.
2. Calculation of Water Quality Volume (WQv=RRv) for site.
    - See Stormwater Drainage Calculations.
3. Incorporation of Green Infrastructure techniques and standard SMPs with Runoff Reduction Volume (RRv) capacity.
    - A bioretention area was incorporated into the site design to provide required RRv for the development. See Stormwater Drainage Calculations.
4. Use of standard SMPs where applicable, to treat the portion of water quality volume not addressed by green infrastructure techniques and standard SMPs with RRv capacity.
    - Since the provided RRv is less than the WQv required, use of standard SMPs to treat the remaining WQv is applicable.
5. Design of volume and peak rate control practices where required.
    - See Stormwater Drainage Calculations.

The NYSDEC Stormwater Management Design Manual requires (5) five different criteria be considered when designing a stormwater management system. Those criteria are Water Quality, Runoff Reduction Volume, Channel Protection, Overbank Flooding and Extreme Storm Protection. Below is a summary of each item and how it is incorporated into this project.

Water Quality & Runoff Reduction Volume:

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

The NYSDEC requires reduction of the total water quality volume by green infrastructure techniques and SMP's to replicate pre-development hydrology. A bioretention area was incorporated into the site layout to provide the minimum required RRv for contributing WQv runoff area for the development. The bioretention area will provide 4,224 cf RRv. The minimum RRv required is 4,182 cf. The bioretention will also treat 3,370 cf of WQv. The required WQv = 7,594 cf. The sum of the WQv treated and the RRv is equal to the required WQv, therefore the practice is acceptable.

Channel Protection:

The NYSDEC requires that 24-Hour extended detention be provided for the proposed 1-year storm event. A volume of 3,985 cf is accommodated in the detention basin at elevation 580.32.

Overbank Flooding:

The NYSDEC requires that the 10-year proposed storm event be attenuated with detention and that the outlet be restricted to the 10-year existing storm event. A volume of 12,044 cf is accommodated in the detention basin at elevation 582.58.

Extreme Storm Protection:

The NYSDEC requires that the 100-year proposed storm event be attenuated with detention and that the outlet be restricted to the 100-year existing storm event. A volume of 20,698 cf is accommodated in the detention basin at elevation 583.86.

Refer to engineer's report for storm sewer design criteria, runoff summary table and stormwater drainage calculations.

113 OTHER CONTROLS

113.1 OFF-SITE VEHICLE TRACKING

A stabilized construction exit will be provided to help reduce vehicle tracking of sediments and will be used for vehicle wash areas and to further aid in the reduction of vehicle tracking of sediments. The paved streets adjacent to the site entrance shall be inspected daily and swept as necessary to remove any excess mud, dirt, or rock tracked from the site. Dump trucks hauling material to/from the construction site will be covered with a tarpaulin. The job site superintendent will be responsible for seeing that these procedures are followed.

113.2 EXCAVATION SPOIL MATERIALS

Excavation spoil materials are potentially generated during grading operations for this project. These materials must be properly managed to prevent them from contributing to storm water discharges. The materials generated from the development of this project will be hauled off-site or stockpiled for re-use in designated areas which will have temporary erosion & sediment control measures installed. Any removal from site will be done under the necessary permits required by the local governing agencies.

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

113.3 DUST CONTROL

Minimizing wind erosion and controlling dust will be accomplished by one or more of the following methods:

A. Frequent watering of excavation and fill areas.

B. Providing gravel or paving at entrance/exit drives, parking areas and transit paths.

113.4 WASTE DISPOSAL

If needed, all waste materials will be collected and stored in securely lidded metal dumpsters rented from an approved waste management company. The dumpster will comply with all local and state solid waste management regulations.

All trash and construction debris from the site will be deposited in the dumpsters. The dumpsters will be emptied when full and then hauled to a NYSDEC approved landfill for proper disposal. No construction waste will be buried on-site. All personnel will be instructed regarding the correct procedures for waste disposal.

113.5 SANITARY WASTE

If needed, portable toilet units or field offices with toilet facilities connected to the municipal sanitary sewer will be used for sanitary purposes. All portable toilet units will be emptied a minimum of once per week by a licensed portable facility provided in compliance with local and state regulations.

113.6 CONCRETE WASTE FROM CONCRETE TRUCKS

A. Emptying of excess unhardened concrete and/or washout from concrete delivery trucks will be allowed on the job site, but in either (1) specifically designated diked areas which have been prepared to prevent contact between concrete and/or washout and storm water which will be discharged from the site or (2) in locations where waste concrete will be poured into forms to make rip-rap or other useful concrete products.

B. Hardened waste concrete from the designated diked areas described above will be disposed of in accordance with applicable local and state regulations with regards to disposal of construction debris.

113.7 HAZARDOUS SUBSTANCES & HAZARDOUS WASTE

A. All hazardous waste materials will be disposed of by the Contractor in the manner specified by local, state, and/or federal regulations and by the manufacturer of such products. Site personnel will be instructed in these practices by the job superintendent, who will also be responsible for seeing these practices are followed. Material Safety Data Sheets (MSDS's) for each substance with hazardous properties that is used on the job site will be obtained and used for the proper management of potential wastes that may result from these products. An MSDS will be posted in the

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

immediate area where such products are stored and/or used and another copy of each MSDS will be maintained in the SWPPP file at the job site construction office. Each employee who must handle a substance with hazardous properties will be instructed on the use of MSDS sheets and the specific information in the applicable MSDS for the product he/she is using, particularly regarding spill control techniques.

B. The contractor will implement the Spill Prevention Control and Countermeasures (SPCC) Plan found within this SWPPP and will train all personnel in the proper cleanup and handling of spilled materials. No spilled hazardous materials of hazardous wastes will be allowed to come in contact with storm water discharges. If such contact occurs, the storm water discharge shall be contained on site until appropriate measures in compliance with state and federal regulations are taken to dispose of such contaminated storm water. It shall be the responsibility of the job superintendent to properly train all personnel in the use of the SPCC plan.

C. Any spills of hazardous materials which are in excess of the Reportable Quantities as defined by the EPA regulations shall be immediately reported to the EPA National Response Center at 1-100-424-1102.

D. In order to minimize the potential for a spill of hazardous materials to come in contact with storm water, the following steps will be implemented:

1. All materials with hazardous properties (such as pesticides, petroleum products, fertilizers, detergents, construction chemicals, acids, paints, paint solvents, cleaning solvents, additives for soil stabilization, concrete curing compounds and additives, etc.) will be stored in a secure location, under cover, when not in use.

2. The minimum practical quantity of all such materials will be kept on the job site.

3. A spill control and containment kit (containing for example, absorbent such as kitty litter or sawdust, acid neutralizing powder, brooms, dust pans, mops, rags, gloves, goggles, plastic and metal trash containers, etc.) will be provided at the storage site.

4. All of the product in a container will be used before the container is disposed of. All such containers will be triple rinsed with water prior to disposal. The rinse water used in these containers will be disposed of in a manner in compliance with state and federal regulations and will not be allowed to mix with storm water discharges.

5. All products will be stored in and used from the original container with the original product label.

6. All products will be used in strict compliance with instructions on the product label.

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

7. The disposal of excess or used products will be in strict compliance with instructions on the product label.

113.8 CONTAMINATED SOILS

A. Any contaminated soils (resulting from spills of materials with hazardous properties) which may result from construction activities will be contained and cleaned up immediately in accordance with the procedures given in the Spill Prevention Control and Countermeasures (SPCC) Plan and in accordance with applicable state and federal regulations.

B. The job site superintendent will be responsible for seeing that these procedures are followed.

114 COMPLIANCE WITH FEDERAL, STATE, AND LOCAL REGULATIONS

The Contractor will obtain copies of any and all local and state regulations which are applicable to storm water management, erosion control, and pollution minimization at this job site and will comply fully with such regulations. The Contractor will submit written evidence of such compliance if requested by the Operator or any agent of a regulatory body. The Contractor will comply with all conditions of the SPDES General Permit for Construction Activity for the State of New York, including the conditions related to maintaining the SWPPP and evidence of compliance with the SWPPP at the job site and allowing regulatory personnel access to the job site and to records in order to determine compliance.

The SWPPP for this site development project requires regulated MS4 approval from the Town of Amherst. All changes to the SWPPP must be approved by the Town of Amherst prior to applying changes to the SWPPP in the field.

115 INSPECTION AND MAINTENANCE PROCEDURES

The following inspection and maintenance practices will be used to maintain erosion and sediment controls and stabilization measures.

1. All control measures will be inspected by the owner/operator at least weekly and shall continue until the site complies with the Final Stabilization section of this document (See Section 116).

2. All control measures will be inspected by a Qualified Professional at least weekly and shall continue until the site complies with the Final Stabilization section of this document (See Section 116).

3. All measures will be maintained in good working order; if repairs or other measures are found to be necessary, they will be initiated within 24 hours of report.

4. Built up sediment will be removed from silt fence/silt sock when it has reached one-third the height of the fence.

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

5. Silt fence/silt socks will be inspected for depth of sediment, tears, etc., to see if the fabric is securely attached to the fence posts, and to see that the fence posts are securely in the ground.

6. Temporary and permanent seeding and all other stabilization measures will be inspected for bare spots, washouts, and healthy growth.

7. A maintenance inspection report will be made after each inspection.

8. The job site superintendent will be responsible for selecting and training the individuals who will be responsible for these inspections, maintenance and repair activities, and filling out inspection and maintenance reports.

9. Personnel selected for the inspection and maintenance responsibilities will receive training from the job site superintendent. They will be trained in all the inspection and maintenance practices necessary for keeping the erosion and sediment controls that are used onsite in good working order. They will also be trained in the completion of, initiation of actions required by, and the filing of the inspection forms. Documentation of this personnel training will be kept on site with the SWPPP.

10. Disturbed areas and materials storage areas will be inspected for evidence of or potential for pollutants entering stormwater systems.

11. Report to the NYSDEC within 24 hours any noncompliance with the SWPPP that will endanger public health or the environment. Follow up with a written report within 5 days of the noncompliance event. The following events require 24 hour reporting: a) any unanticipated bypass which exceeds any effluent limitation in the permit, b) any upset which exceeds any effluent limitation in the permit, and c) a violation of a maximum daily discharge limitation for any of the pollutants listed by the NYSDEC in the permit to be reported within 24 hours. The written submission must contain a description of the non-compliance and its cause; the period of non-compliance, including exact dates and times, and if the non-compliance has not been corrected, the anticipated time it is expected to continue; and steps taken or planned to reduce, eliminate, and prevent recurrence of the non-compliance.

12. Releases of hazardous substances or oil in excess of reportable quantities (as established under 40 CFR 110, 40 CFR 117 or 40 CFR 302) must be reported.

116 INSPECTION AND MAINTENANCE REPORT FORMS

Once installation of any required or optional erosion control device or measure has been implemented, inspections shall be performed by a Qualified Professional at least once every seven (7) calendar days. For construction sites where soil disturbance activities are on-going and the **owner or operator** has received authorization in accordance with Part II.C.3 of the General Permit 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. The owner and contractor shall obtain from the MS4 an written authorization approval for disturbing more than

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

five-acres at any given time. Written authorization shall be kept within the SWPPP once received. For construction sites where active construction has been suspended, inspection frequency under the general permit can be reduced to once every 30 days, provided temporary stabilization measures have been applied to all disturbed areas.

The report forms shall become an integral part of the SWPPP and shall be made readily accessible to governmental inspection officials, the Operator's Engineer, and the Operator for review upon request during visits to the project site. In addition, copies of the reports shall be provided to any of these persons, upon request, via email transmission. Inspection and maintenance report forms are to be maintained by the permittee for five years following the final stabilization of the site.

117 OTHER RECORD-KEEPING REQUIREMENTS

The Contractor shall keep the following records related to construction activities at the site:

- Dates when major grading activities occur and the areas which were graded
- Dates and details concerning the installation of structural controls
- Dates when construction activities cease in an area
- Dates when an areas is stabilized, either temporarily or permanently
- Dates of rainfall and the amount of rainfall
- Dates and descriptions of the character and amount of any spills of hazardous materials
- Records of reports filed with regulatory agencies if reportable quantities of hazardous materials spilled

118 SPILL PREVENTION CONTROL AND COUNTERMEASURES (SPCC) PLAN

118.1 MATERIALS COVERED

The following materials or substances are expected to be present onsite during construction:

- Concrete/Additives/Wastes
- Cleaning solvents
- Sanitary wastes
- Detergents
- Petroleum based products
- Paints/Solvents
- Pesticides
- Solid and construction wastes
- Acids
- Fertilizers
- Soil stabilization additives

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

118.2 MATERIAL MANAGEMENT PRACTICES

The following are the material management practices that will be used to reduce the risk of spills or other accidental exposure of materials and substances to stormwater runoff. The job site superintendent will be responsible for ensuring that these procedures are followed.

A. Good Housekeeping

The following good housekeeping practices will be followed onsite during the construction project.

1. An effort will be made to store only enough products required to do the job.

2. All materials stored onsite will be stored in a neat, orderly manner and, if possible, under a roof or in a containment area. At a minimum, all containers will be stored with their lids on when not in use. Drip pans shall be provided under all dispensers.

3. Products will be kept in their original containers with the original manufacturer's label in legible condition.

4. Substances will not be mixed with one another unless recommended by the manufacturer.

5. Whenever possible, all of a product will be used up before disposing of the container.

6. Manufacturer's recommendations for proper use and disposal will be followed.

7. The job site superintendent will be responsible for daily inspections to ensure proper use and disposal of materials.

B. Hazardous Products

These practices will be used to reduce the risks associated with hazardous materials. Material Safety Data Sheets (MSDS's) for each substance with hazardous properties that is used on the job site will be obtained and used for the proper management of potential wastes that may result from these products. An MSDS will be posted in the immediate area where such product is stored and/or used and another copy of each MSDS will be maintained in the SWPPP file at the job site construction trailer office. Each employee who must handle a substance with hazardous properties will be instructed on the use of MSDS sheets and the specific information in the applicable MSDS for the product he/she is using, particularly regarding spill control techniques.

1. Products will be kept in original containers with the original labels in legible condition.

2. Original labels and material safety data sheets (MSDS's) will be procured and used for each material.

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

3. If surplus product must be disposed of, manufacturer's or local/state/federal recommended methods for proper disposal will be followed.

4. A spill control and containment kit (containing for example, absorbent such as kitty litter or sawdust, acid neutralizing powder, brooms, dust pans, mops, rags, gloves, goggles, plastic and metal trash containers, etc.) will be provided at the storage site.

5. All of the product in a container will be used before the container is disposed of. All such containers will be triple rinsed with water prior to disposal. The rinse water used in these containers will be disposed of in a manner in compliance with state and federal regulations and will not be allowed to mix with storm water discharges.

C. Hazardous Waste

All hazardous waste materials will be disposed of by the Contractor in the manner specified by local, state, and/or federal regulations and by the manufacturer of such products. Site personnel will be instructed in these practices by the job site superintendent, who will also be responsible for seeing that these practices are followed.

D. Product Specific Practices

The following product specific practices will be followed on the job site.

1. Petroleum Products

All onsite vehicles will be monitored for leaks and receive regular preventative maintenance to reduce the chance of leakage. Petroleum products will be stored in tightly sealed containers which are clearly labeled. Any petroleum storage tanks stored onsite will be located within a containment area that is designed with an impervious surface between the tank and the ground. The secondary containment must be designed to provide a containment volume that is equal to 110% of the volume of the largest tank. Drip pans shall be provided for all dispensers. Any asphalt substances used onsite will be applied according to the manufacturer's recommendations. The location of any fuel tanks and/or equipment storage areas must be identified on a plan by the contractor once the locations have been determined.

2. Fertilizers

Fertilizers will be applied only in the minimum amounts recommended by the manufacturer. Once applied, fertilizer will be worked in the soil to limit exposure to stormwater. Storage will be in a covered shed. The contents of any partially used bags of fertilizer will be transferred to a sealable plastic bin to avoid spills.

3. Paints, Paint Solvents, and Cleaning Solvents

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

All containers will be tightly sealed and stored when not in use. Excess paint and solvents will not be discharged to the storm sewer system but will be properly disposed of according to manufacturer's instructions or state and federal regulations.

4. Concrete Wastes

Concrete trucks will be allowed to wash out or discharge surplus concrete or drum wash water on the site, but only in either (1) specifically designated diked areas which have been prepared to prevent contact between the concrete and/or wash out and storm water which will be discharged from the site or (2) in locations where waste concrete can be poured into forms to make riprap or other useful concrete products.

The hardened residue from the concrete wash out diked areas will be disposed of in the same manner as other non-hazardous construction waste materials or may be broken up and used on site as deemed appropriate by the Contractor. The job site superintendent will be responsible for seeing that these procedures are followed.

All concrete wash out areas will be located in an area where the likelihood of the area contributing to storm water discharges is negligible. If required, additional BMPs must be implemented to prevent concrete wastes from contributing to storm water discharges. The location of concrete wash out area(s) must be identified on a plan by the contractor once the locations have been determined. In addition, a standard detail on the construction of the concrete wash out shall be included on this plan.

E. Solid and Construction Wastes

All waste materials will be collected and stored in an appropriately covered container and/or securely lidded metal dumpster rented from a local waste management company which must be a solid waste management company licensed to do business in New York and the Town of Amherst. The dumpster will comply with all local and state solid waste management regulations.

All trash and construction debris from the site will be deposited in the dumpster. The dumpster will be emptied a minimum of twice per week or more often if necessary, and the trash will be hauled to a landfill approved by the NYSDEC. No construction waste materials will be buried on site. All personnel will be instructed regarding the correct procedures for waste disposal.

All waste dumpsters and roll-off containers will be located in an area where the likelihood of the containers contributing to storm water discharges is negligible. If required, additional BMPs must be implemented, such as sandbags around the base, to prevent wastes from contributing to storm water discharges. The location of waste dumpsters and roll-off containers must be identified on a plan by the contractor once the locations have been determined.

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

F. Sanitary Wastes

Portable toilet units or field offices with toilet facilities connected to the municipal sanitary sewer will be used for sanitary purposes. All portable toilet units will be emptied a minimum of once per week by a licensed portable facility provided in compliance with local and state regulations.

All sanitary waste units will be located in an area where the likelihood of the unit contributing to storm water discharges is negligible. If required, additional BMPs must be implemented, such as sandbags around the base, to prevent wastes from contributing to storm water discharges. The location of sanitary waste units must be identified on a plan by the contractor once the locations have been determined.

G. Contaminated Soils

Any contaminated soils (resulting from spills of materials with hazardous properties) which may result from construction activities will be contained and cleaned up immediately in accordance with the procedures given in the Materials Management Plan and in accordance with applicable state and federal regulations.

118.3 SPILL PREVENTION AND RESPONSE PROCEDURES

The Contractor will train all personnel in the proper handling and cleanup of spilled materials. No spilled hazardous materials or hazardous wastes will be allowed to come in contact with storm water discharges. If such contact occurs, the storm water discharge will be contained on site until appropriate measures in compliance with state and federal regulations are taken to dispose of such contaminated storm water. It shall be the responsibility of the job site superintendent to properly train all personnel in spill prevention and clean up procedures.

A. In order to minimize the potential for a spill of hazardous materials to come into contact with storm water, the following steps will be implemented:

1. All materials with hazardous properties (such as pesticides, petroleum products, fertilizers, detergents, construction chemicals, acids, paints, paint solvents, cleaning solvents, additives for soil stabilization, concrete curing compounds and additives, etc.) will be stored in a secure location, with their lids on, preferably under cover, when not in use.

2. The minimum practical quantity of all such materials will be kept on the job site.

3. A spill control and containment kit (containing, for example, absorbent materials, acid neutralizing powder, brooms, dust pans, mops, rags, gloves, goggles, plastic and metal trash containers, etc.) will be provided at the storage site.

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

4. Manufacturer's recommended methods for spill cleanup will be clearly posted and site personnel will be trained regarding these procedures and the location of the information and cleanup supplies.

B. In the event of a spill, the following procedures should be followed

1. All spills will be cleaned up immediately after discovery.

2. The spill area will be kept well ventilated, and personnel will wear appropriate protective clothing to prevent injury from contact with the hazardous substances.

3. The project manager and the Engineer of Record will be notified immediately.

   Spills of toxic or hazardous materials will be reported to the appropriate federal, state, and/or local government agency, regardless of the size of the spill. Spills of amounts that exceed Reportable Quantities of certain substances specifically mentioned in federal regulations (40 CFR 110, 40 CFR 117, and 40 CFR 302) must be immediately reported to the EPA National Response Center, telephone 1-100-424-1102. From SWPPP-9 "Reportable Quantity Release Form" must be filled out.

4. If the spill exceeds a Reportable Quantity, the SWPPP must be modified within seven (7) calendar days of knowledge of the discharge to provide a description of the release, the circumstances leading to the release, and the date of the release. The plans must identify measures to prevent the recurrence of such releases and to respond to such releases.

C. The job site superintendent will be the spill prevention and response coordinator. He will designate the individuals who will receive spill prevention and response training. These individuals will each become responsible for a particular phase of prevention and response. The names of these personnel will be posted in the material storage area and in the office trailer onsite.

119 CONTROL OF NON-STORM WATER DISCHARGES

Certain types of discharges are allowable under the NYSDEC SPDES General Permit for Construction Activity for the State of New York, and it is the intent of this SWPPP to allow such discharges. These types of discharges will be allowed under the conditions that no pollutants will be allowed to come in contact with the water prior to or after its discharge. The control measures which have been outlined previously in this SWPPP will be strictly followed to ensure that no contamination of these non-storm water discharges takes place. The following allowable non-storm water discharges which may occur at the job site include:

A. Discharges from firefighting activities.

B. Fire hydrant flushings (see note below).

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

C. Waters used to wash vehicles or control dust in order to minimize offsite sediment tracking.

D. Routine external building washdown which does not use detergents.

E. Pavement wash waters where spills or leaks of hazardous materials have not occurred, or detergents have not been used.

F. Air conditioning condensate.

G. Springs or other uncontaminated groundwater, including dewatering ground water infiltration.

H. Foundation or footing drains where no contamination with process materials such as solvents is present.

Note: The Contractor shall discharge any super-chlorinated water from water distribution pipe disinfection activities into sanitary sewer system.

120 STORM WATER CONTROL FACILITY MAINTENANCE

Upon completion of construction, the HOA assumes responsibility for ensuring that the stormwater facilities are regularly inspected and maintained. Maintenance and inspection procedures are as follows (for applicable items).

1. On a quarterly basis and following significant rainfall events or snow-melts, perform the following:

   - Remove and properly dispose of any collected debris and sediment in accordance with applicable state, federal and local regulations.
   - Inspect grassed/landscaped areas for un-vegetated areas or areas with less than 85% healthy stand of grass and reseed and mulch as necessary. Water daily if reseeded in July and August.
   - A record of all inspections should be kept.

2. Maintain all lawn areas by regular mowing, including the grassed slopes of the stormwater pond and any grass swales. Any eroded areas shall be regarded, seeded, and mulched immediately.

3. Long term maintenance of the pond and bioretention facilities shall be performed by the HOA, and adhere to the Town of Amherst Stormwater Maintenance Agreement, as provided in Appendix L. The frequency of inspections for the stormwater pond shall match the frequencies listed on the “Stormwater Pond/Wetland Operation, Maintenance and Management Inspection Checklist” in Appendix K of the SWPPP. The frequency of inspections for the bioretention areas shall match the frequencies listed on the “Bioretention Operation, Maintenance and Management Inspection Checklist” in Appendix K of the SWPPP. The HOA shall provide a qualified inspector to inspect and maintain all post-construction stormwater management practices. The checklists

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

provided in Appendix L shall be submitted to the Town of Amherst Stormwater Management Officer each time an inspection is conducted.

The proposed catch basins within public easements and right-of-way will be maintained by the Town of Amherst and shall be inspected and any silt buildup over 6" in depth shall be removed and disposed of properly off-site. The HOA and applicable lot owners are responsible for maintaining the public easement area.

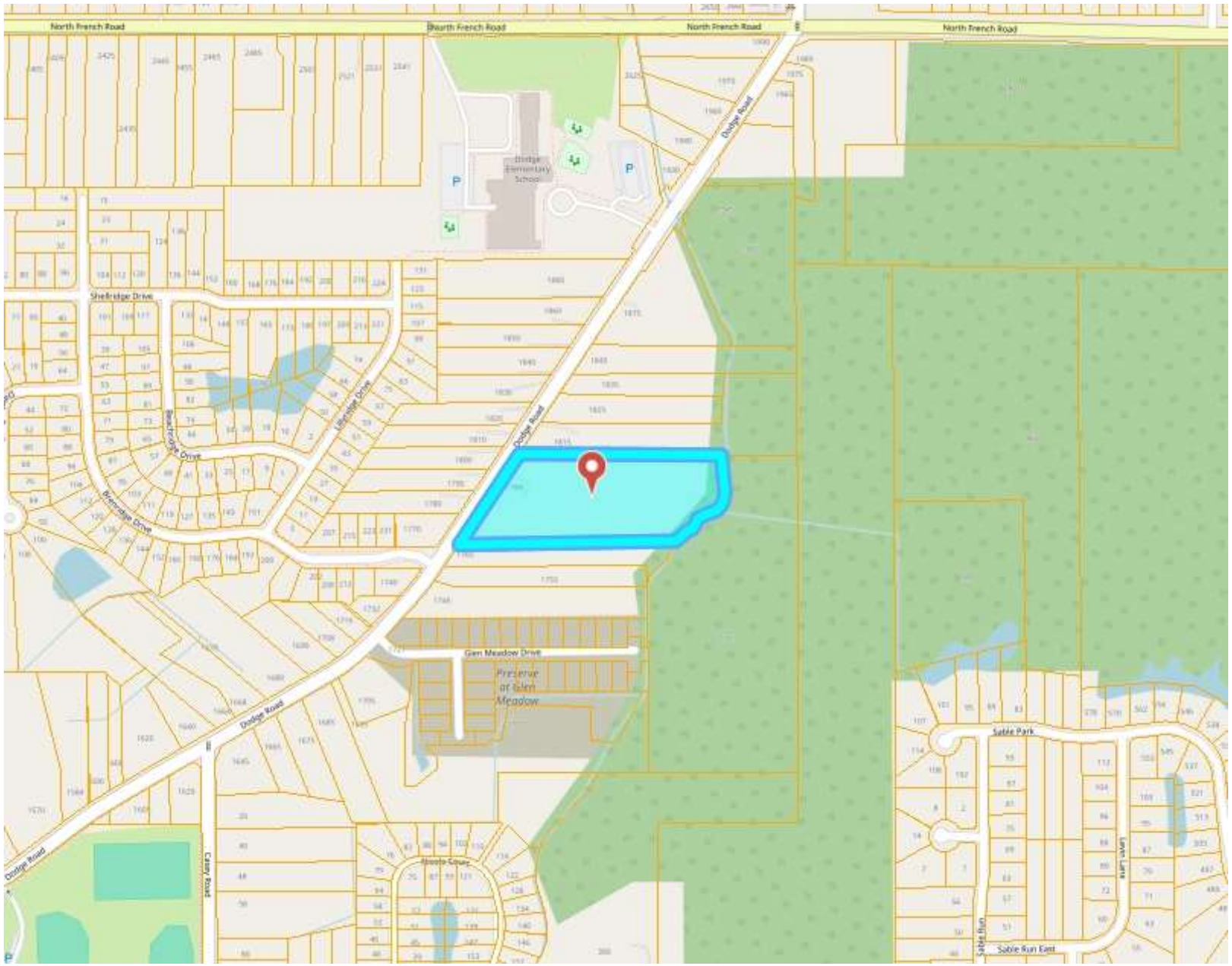
Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

Appendix A

Site Location Map

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

Erie County On-Line Mapping Application



Legend

- Parcels

0 0.14 0.3 Miles

WGS_1984_Web_Mercator_Auxiliary_Sphere
THIS MAP IS NOT TO BE USED FOR NAVIGATION

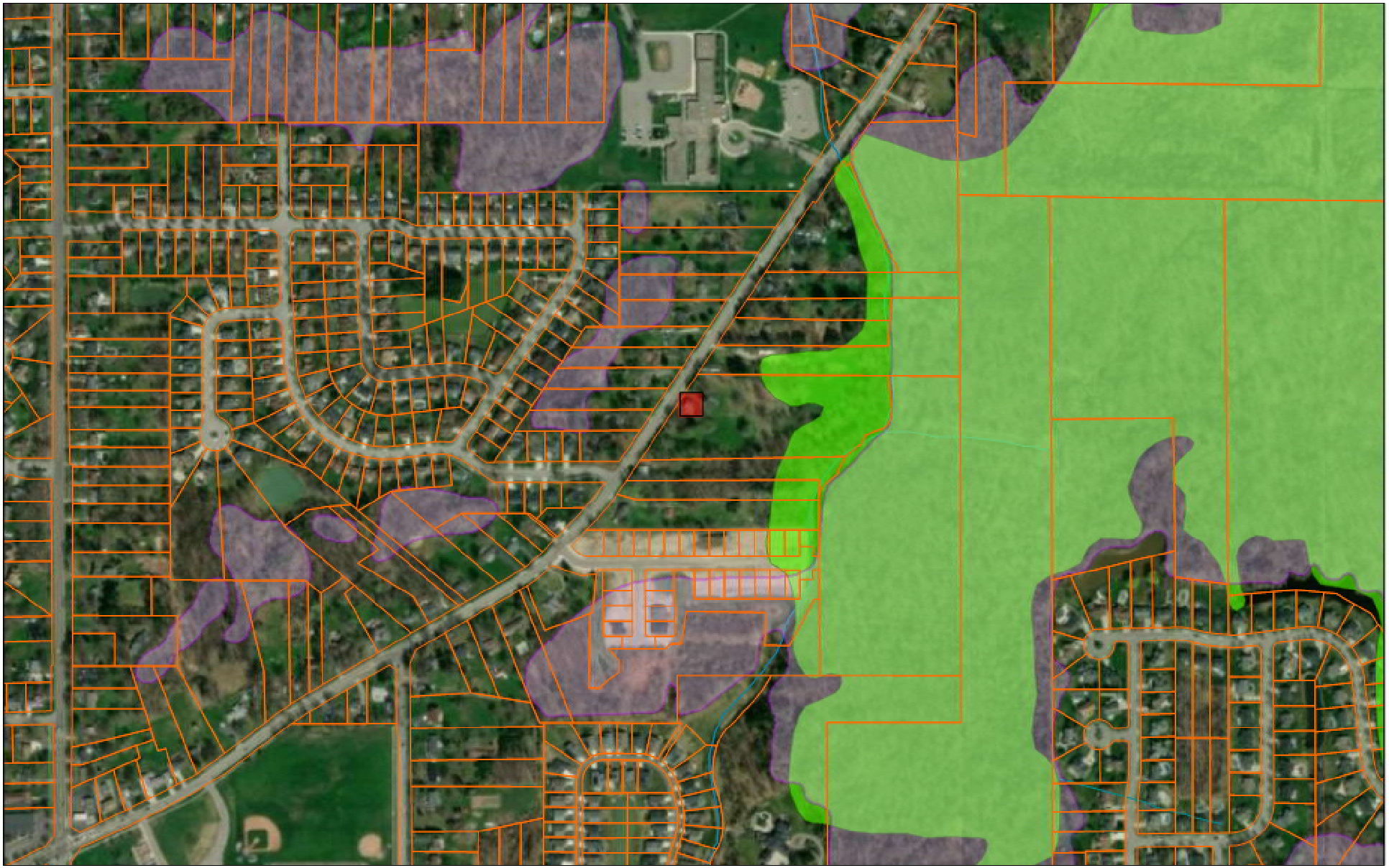
ERIE COUNTY
DEPARTMENT OF ENVIRONMENT & PLANNING
OFFICE OF GIS

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 not be accurate, current, or otherwise reliable.

1: 9,028

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

1789 Dodge Road - Amherst, New York



February 10, 2025

1:9,028

0 0.05 0.1 0.2 mi

0 0.07 0.15 0.3 km

Esri, HERE, Garmin, iPC, Maxar

NYS Department of Env

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

National Flood Hazard Layer FIRMette

FEMA

78°44'1"W 43°2'1"N

0 250 500 1,000 1,500 2,000 Feet

1:6,000

78°43'24"W 43°1'34"N

Basemap Imagery Source: USGS National Map 2023

Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

SPECIAL FLOOD HAZARD AREAS
- Without Base Flood Elevation (BF Zone A, V, A99
- With BFE or Depth Zone AE, AO, AH,
- Regulatory Floodway

OTHER AREAS OF FLOOD HAZARD
- 0.2% Annual Chance Flood Hazar of 1% annual chance flood with a depth less than one foot or with c areas of less than one square mil
- Future Conditions 1% Annual Chance Flood Hazard Zone X
- Area with Reduced Flood Risk du Levee. See Notes. Zone X
- Area with Flood Risk due to Leve

OTHER AREAS
- NO SCREEN Area of Minimal Flood Hazard Zo
- Effective LOMRs
- Area of Undetermined Flood Haza

GENERAL STRUCTURES
- Channel, Culvert, or Storm Sewer
- Levee, Dike, or Floodwall

OTHER FEATURES
- 20.2 / 17.5 Cross Sections with 1% Annual Ch / Water Surface Elevation
- Coastal Transect
- 513 Base Flood Elevation Line (BFE)
- Limit of Study
- Jurisdiction Boundary
- Coastal Transect Baseline
- Profile Baseline
- Hydrographic Feature

MAP PANELS
- Digital Data Available
- No Digital Data Available
- Unmapped

The pin displayed on the map is an appro point selected by the user and does not r an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This ma was exported on 2/10/2025 at 1:41 PM and does not reflect changes or amendments subsequent to this date an time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following r elements do not appear: basemap imagery, flood zone labe legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized area regulatory purposes.

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

Appendix B

NYSDEC Notice of Intent (NOI)

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

NOTICE OF INTENT

New York State Department of Environmental Conservation
Division of Water
625 Broadway, 4th Floor
Albany, New York 12233-3505

NYR _____ (for DEC use only)

Stormwater Discharges Associated with Construction Activity Under State Pollutant Discharge Elimination System (SPDES) General Permit # GP-0-20-001

All sections must be completed unless otherwise noted. Failure to complete all items may result in this form being returned to you, thereby delaying your coverage under this General Permit. Applicants must read and understand the conditions of the permit and prepare a Stormwater Pollution Prevention Plan prior to submitting this NOI. Applicants are responsible for identifying and obtaining other DEC permits that may be required.

-IMPORTANT-
RETURN THIS FORM TO THE ADDRESS ABOVE

OWNER/OPERATOR MUST SIGN FORM

Owner/Operator Information

Owner/Operator (Company Name/Private Owner Name/Municipality Name)

Owner/Operator Contact Person Last Name (NOT CONSULTANT)
Rubino

Owner/Operator Contact Person First Name
Joseph

Owner/Operator Mailing Address
5500 Main Street, Suite 343

City
Williamsville

State
NY

Zip
14221 -

Phone (Owner/Operator)
716 - 510 - 4338

Fax (Owner/Operator)
___ - ___ - ____

Email (Owner/Operator)

FED TAX ID
__ - _____ (not required for individuals)

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

Project Site Information

Project/Site Name
Single Family Subdivision

Street Address (NOT P.O. BOX)
1789 Dodge Road

Side of Street
○ **North** ○ **South** ● **East** ○ **West**

City/Town/Village (THAT ISSUES BUILDING PERMIT)
Amherst

State NY | Zip 14051- | County Erie | DEC Region 9

Name of Nearest Cross Street
Benridge Drive

Distance to Nearest Cross Street (Feet)
400

Project In Relation to Cross Street
○ **North** ○ **South** ○ **East** ● **West**

Tax Map Numbers
Section-Block-Parcel
4200-1-45.2

Tax Map Numbers

1. Provide the Geographic Coordinates for the project site. To do this, go to the NYSDEC Stormwater Interactive Map on the DEC website at:

https://gisservices.dec.ny.gov/gis/stormwater/

Zoom into your Project Location such that you can accurately click on the centroid of your site. Once you have located the centroid of your project site, go to the bottom right hand corner of the map for the X, Y coordinates. Enter the coordinates into the boxes below. For problems with the interactive map use the help function.

X Coordinates (Easting)
-78.7281
Ex. -73.749

Y Coordinates (Northing)
43.0301
Ex. 42.652

2. What is the nature of this construction project?

● **New Construction**

○ **Redevelopment with increase in impervious area**

○ **Redevelopment with no increase in impervious area**

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

3. Select the predominant land use for both pre and post development conditions.
SELECT ONLY ONE CHOICE FOR EACH

Pre-Development Existing Land Use	Post-Development Future Land Use
○ FOREST	○ SINGLE FAMILY HOME
○ PASTURE/OPEN LAND	● SINGLE FAMILY SUBDIVISION — Number of Lots: 17
○ CULTIVATED LAND	○ TOWN HOME RESIDENTIAL
● SINGLE FAMILY HOME	○ MULTIFAMILY RESIDENTIAL
○ SINGLE FAMILY SUBDIVISION	○ INSTITUTIONAL/SCHOOL
○ TOWN HOME RESIDENTIAL	○ INDUSTRIAL
○ MULTIFAMILY RESIDENTIAL	○ COMMERCIAL
○ INSTITUTIONAL/SCHOOL	○ MUNICIPAL
○ INDUSTRIAL	○ ROAD/HIGHWAY
○ COMMERCIAL	○ RECREATIONAL/SPORTS FIELD
○ ROAD/HIGHWAY	○ BIKE PATH/TRAIL
○ RECREATIONAL/SPORTS FIELD	○ LINEAR UTILITY (water, sewer, gas, etc.)
○ BIKE PATH/TRAIL	○ PARKING LOT
○ LINEAR UTILITY	○ CLEARING/GRADING ONLY
○ PARKING LOT	○ DEMOLITION, NO REDEVELOPMENT
○ OTHER	○ WELL DRILLING ACTIVITY *(Oil, Gas, etc.)
	○ OTHER

***Note**: for gas well drilling, non-high volume hydraulic fractured wells only

4. In accordance with the larger common plan of development or sale, enter the total project site area; the total area to be disturbed; existing impervious area to be disturbed (for redevelopment activities); and the future impervious area constructed within the disturbed area. (Round to the nearest tenth of an acre.)

Total Site Area	Total Area To Be Disturbed	Existing Impervious Area To Be Disturbed	Future Impervious Area Within Disturbed Area
6.1	5.6	0.2	2.2

5. Do you plan to disturb more than 5 acres of soil at any one time? ● **Yes** ○ **No**

6. Indicate the percentage of each Hydrologic Soil Group(HSG) at the site.

A	B	C	D
%	%	%	100 %

7. Is this a phased project? ○ **Yes** ● **No**

8. Enter the planned start and end dates of the disturbance activities.

Start Date	End Date
04/01/2025	04/01/2027

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

9. Identify the nearest surface waterbody(ies) to which construction site runoff will discharge.

Name

NYSDEC wetlands

Ransom Creek, Lower, and Tributaries

9a. Type of waterbody identified in Question 9?

- (●) Wetland / State Jurisdiction On Site (Answer 9b)
- ( ) Wetland / State Jurisdiction Off Site
- ( ) Wetland / Federal Jurisdiction On Site (Answer 9b)
- ( ) Wetland / Federal Jurisdiction Off Site
- ( ) Stream / Creek On Site
- (●) Stream / Creek Off Site
- ( ) River On Site
- ( ) River Off Site
- ( ) Lake On Site
- ( ) Lake Off Site
- ( ) Other Type On Site
- ( ) Other Type Off Site

9b. How was the wetland identified?

- ( ) Regulatory Map
- (●) Delineated by Consultant
- ( ) Delineated by Army Corps of Engineers
- ( ) Other (identify)

10. Has the surface waterbody(ies) in question 9 been identified as a 303(d) segment in Appendix E of GP-0-20-001? (●) **Yes** ( ) **No**

11. Is this project located in one of the Watersheds identified in Appendix C of GP-0-20-001? ( ) **Yes** (●) **No**

12. Is the project located in one of the watershed areas associated with AA and AA-S classified waters? ( ) **Yes** (●) **No**
If no, skip question 13.

13. Does this construction activity disturb land with no existing impervious cover and where the Soil Slope Phase is identified as an E or F on the USDA Soil Survey? ( ) **Yes** (●) **No**
If Yes, what is the acreage to be disturbed?

14. Will the project disturb soils within a State regulated wetland or the protected 100 foot adjacent area? ( ) **Yes** (●) **No**

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

15. Does the site runoff enter a separate storm sewer system (including roadside drains, swales, ditches, culverts, etc)? ○ Yes ● No ○ Unknown

16. What is the name of the municipality/entity that owns the separate storm sewer system?

17. Does any runoff from the site enter a sewer classified as a Combined Sewer? ○ Yes ● No ○ Unknown

18. Will future use of this site be an agricultural property as defined by the NYS Agriculture and Markets Law? ○ Yes ● No

19. Is this property owned by a state authority, state agency, federal government or local government? ○ Yes ● No

20. Is this a remediation project being done under a Department approved work plan? (i.e. CERCLA, RCRA, Voluntary Cleanup Agreement, etc.) ○ Yes ● No

21. Has the required Erosion and Sediment Control component of the SWPPP been developed in conformance with the current NYS Standards and Specifications for Erosion and Sediment Control (aka Blue Book)? ● Yes ○ No

22. Does this construction activity require the development of a SWPPP that includes the post-construction stormwater management practice component (i.e. Runoff Reduction, Water Quality and Quantity Control practices/techniques)? ● Yes ○ No
If No, skip questions 23 and 27-39.

23. Has the post-construction stormwater management practice component of the SWPPP been developed in conformance with the current NYS Stormwater Management Design Manual? ● Yes ○ No

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

24. The Stormwater Pollution Prevention Plan (SWPPP) was prepared by:

- ● **Professional Engineer (P.E.)**
- ○ **Soil and Water Conservation District (SWCD)**
- ○ **Registered Landscape Architect (R.L.A)**
- ○ **Certified Professional in Erosion and Sediment Control (CPESC)**
- ○ **Owner/Operator**
- ○ **Other**

SWPPP Preparer: Carmina Wood Design DPC

Contact Name (Last, Space, First): Wood Christopher

Mailing Address: 80 Silo City Row, Ste 100

City: Buffalo

State: NY Zip: 14203-

Phone: 716-842-3165 Fax: 716-842-0263

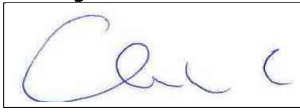
Email: cwood@carminawooddesign.com

SWPPP Preparer Certification

I hereby certify that the Stormwater Pollution Prevention Plan (SWPPP) for this project has been prepared in accordance with the terms and conditions of the GP-0-20-001. Furthermore, I understand that certifying false, incorrect or inaccurate information is a violation of this permit and the laws of the State of New York and could subject me to criminal, civil and/or administrative proceedings.

First Name: Christopher **MI**:

Last Name: Wood

Signature: 

Date: 12/10/2025

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

25. Has a construction sequence schedule for the planned management practices been prepared? ● Yes ○ No

26. Select **all** of the erosion and sediment control practices that will be employed on the project site:

Temporary Structural

- ○ Check Dams
- ○ Construction Road Stabilization
- ○ Dust Control
- ○ Earth Dike
- ○ Level Spreader
- ○ Perimeter Dike/Swale
- ○ Pipe Slope Drain
- ○ Portable Sediment Tank
- ○ Rock Dam
- ○ Sediment Basin
- ○ Sediment Traps
- ● Silt Fence
- ● Stabilized Construction Entrance
- ● Storm Drain Inlet Protection
- ○ Straw/Hay Bale Dike
- ○ Temporary Access Waterway Crossing
- ○ Temporary Stormdrain Diversion
- ○ Temporary Swale
- ○ Turbidity Curtain
- ○ Water bars

Biotechnical

- ○ Brush Matting
- ○ Wattling

Vegetative Measures

- ○ Brush Matting
- ○ Dune Stabilization
- ○ Grassed Waterway
- ● Mulching
- ● Protecting Vegetation
- ○ Recreation Area Improvement
- ● Seeding
- ○ Sodding
- ○ Straw/Hay Bale Dike
- ○ Streambank Protection
- ○ Temporary Swale
- ● Topsoiling
- ○ Vegetating Waterways

Permanent Structural

- ○ Debris Basin
- ○ Diversion
- ○ Grade Stabilization Structure
- ○ Land Grading
- ○ Lined Waterway (Rock)
- ○ Paved Channel (Concrete)
- ○ Paved Flume
- ○ Retaining Wall
- ○ Riprap Slope Protection
- ○ Rock Outlet Protection
- ○ Streambank Protection

Other

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

Post-construction Stormwater Management Practice (SMP) Requirements

Important: Completion of Questions 27-39 is not required if response to Question 22 is No.

27. Identify all site planning practices that were used to prepare the final site plan/layout for the project.

- ● **Preservation of Undisturbed Areas**
- ● **Preservation of Buffers**
- ● **Reduction of Clearing and Grading**
- ○ **Locating Development in Less Sensitive Areas**
- ○ **Roadway Reduction**
- ○ **Sidewalk Reduction**
- ○ **Driveway Reduction**
- ○ **Cul-de-sac Reduction**
- ○ **Building Footprint Reduction**
- ○ **Parking Reduction**

27a. Indicate which of the following soil restoration criteria was used to address the requirements in Section 5.1.6("Soil Restoration") of the Design Manual (2010 version).

- ● All disturbed areas will be restored in accordance with the Soil Restoration requirements in Table 5.3 of the Design Manual (see page 5-22).
- ○ Compacted areas were considered as impervious cover when calculating the **WQv Required**, and the compacted areas were assigned a post-construction Hydrologic Soil Group (HSG) designation that is one level less permeable than existing conditions for the hydrology analysis.

28. Provide the total Water Quality Volume (WQv) required for this project (based on final site plan/layout).

Total WQv Required

		0	.	1	7	4	**acre-feet**

29. Identify the RR techniques (Area Reduction), RR techniques(Volume Reduction) and Standard SMPs with RRv Capacity in Table 1 (See Page 9) that were used to reduce the Total WQv Required(#28).

Also, provide in Table 1 the total impervious area that contributes runoff to each technique/practice selected. For the Area Reduction Techniques, provide the total contributing area (includes pervious area) and, if applicable, the total impervious area that contributes runoff to the technique/practice.

Note: Redevelopment projects shall use Tables 1 and 2 to identify the SMPs used to treat and/or reduce the WQv required. If runoff reduction techniques will not be used to reduce the required WQv, skip to question 33a after identifying the SMPs.

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

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Table 1 - Runoff Reduction (RR) Techniques and Standard Stormwater Management Practices (SMPs)

	Total Contributing Area (acres)		Total Contributing Impervious Area (acres)	
RR Techniques (Area Reduction)				
● Conservation of Natural Areas (RR-1)		and/or		
○ Sheetflow to Riparian Buffers/Filters Strips (RR-2)		and/or		
○ Tree Planting/Tree Pit (RR-3)		and/or		
○ Disconnection of Rooftop Runoff (RR-4)		and/or		
RR Techniques (Volume Reduction)				
○ Vegetated Swale (RR-5)				
○ Rain Garden (RR-6)				
○ Stormwater Planter (RR-7)				
○ Rain Barrel/Cistern (RR-8)				
○ Porous Pavement (RR-9)				
○ Green Roof (RR-10)				
Standard SMPs with RRv Capacity				
○ Infiltration Trench (I-1)				
○ Infiltration Basin (I-2)				
○ Dry Well (I-3)				
○ Underground Infiltration System (I-4)				
● Bioretention (F-5)	6		7 1	
○ Dry Swale (O-1)				
Standard SMPs				
○ Micropool Extended Detention (P-1)				
○ Wet Pond (P-2)				
○ Wet Extended Detention (P-3)				
○ Multiple Pond System (P-4)				
○ Pocket Pond (P-5)				
○ Surface Sand Filter (F-1)				
○ Underground Sand Filter (F-2)				
○ Perimeter Sand Filter (F-3)				
○ Organic Filter (F-4)				
○ Shallow Wetland (W-1)				
○ Extended Detention Wetland (W-2)				
○ Pond/Wetland System (W-3)				
○ Pocket Wetland (W-4)				
○ Wet Swale (O-2)				

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

Table 2 - Alternative SMPs (DO NOT INCLUDE PRACTICES BEING USED FOR PRETREATMENT ONLY)

Alternative SMP	Total Contributing Impervious Area(acres)
○ Hydrodynamic	
○ Wet Vault	
○ Media Filter	
○ Other _____	

Provide the name and manufacturer of the Alternative SMPs (i.e. proprietary practice(s)) being used for WQv treatment.

Name

Manufacturer

Note: Redevelopment projects which do not use RR techniques, shall use questions 28, 29, 33 and 33a to provide SMPs used, total WQv required and total WQv provided for the project.

30. Indicate the Total RRv provided by the RR techniques (Area/Volume Reduction) and Standard SMPs with RRv capacity identified in question 29.

Total RRv provided

0.097 **acre-feet**

31. Is the Total RRv provided (#30) greater than or equal to the total WQv required (#28).

○ **Yes** ● **No**

If Yes, go to question 36.
If No, go to question 32.

32. Provide the Minimum RRv required based on HSG.
[Minimum RRv Required = (P)(0.95)(Ai)/12, Ai=(S)(Aic)]

Minimum RRv Required

0.096 **acre-feet**

32a. Is the Total RRv provided (#30) greater than or equal to the Minimum RRv Required (#32)?

● **Yes** ○ **No**

If Yes, go to question 33.
Note: Use the space provided in question #39 to summarize the specific site limitations and justification for not reducing 100% of WQv required (#28). A detailed evaluation of the specific site limitations and justification for not reducing 100% of the WQv required (#28) must also be included in the SWPPP.
If No, sizing criteria has not been met, so NOI can not be processed. SWPPP preparer must modify design to meet sizing criteria.

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

33. Identify the Standard SMPs in Table 1 and, if applicable, the Alternative SMPs in Table 2 that were used to treat the remaining total WQv(=Total WQv Required in 28 - Total RRv Provided in 30).

Also, provide in Table 1 and 2 the total impervious area that contributes runoff to each practice selected.

Note: Use Tables 1 and 2 to identify the SMPs used on Redevelopment projects.

33a. Indicate the Total WQv provided (i.e. WQv treated) by the SMPs identified in question #33 and Standard SMPs with RRv Capacity identified in question 29.

WQv Provided

0.077 **acre-feet**

Note: For the standard SMPs with RRv capacity, the WQv provided by each practice = the WQv calculated using the contributing drainage area to the practice - RRv provided by the practice. (See Table 3.5 in Design Manual)

34. Provide the sum of the Total RRv provided (#30) and the WQv provided (#33a).

0.174

35. Is the sum of the RRv provided (#30) and the WQv provided (#33a) greater than or equal to the total WQv required (#28)? ◉ **Yes** ○ **No**

If Yes, go to question 36.
If No, sizing criteria has not been met, so NOI can not be processed. SWPPP preparer must modify design to meet sizing criteria.

36. Provide the total Channel Protection Storage Volume (CPv) required and provided or select waiver (36a), if applicable.

CPv Required

0.174 **acre-feet**

CPv Provided

0.174 **acre-feet**

36a. The need to provide channel protection has been waived because:

○ Site discharges directly to tidal waters or a fifth order or larger stream.

○ Reduction of the total CPv is achieved on site through runoff reduction techniques or infiltration systems.

37. Provide the Overbank Flood (Qp) and Extreme Flood (Qf) control criteria or select waiver (37a), if applicable.

Total Overbank Flood Control Criteria (Qp)

Pre-Development

7.47 **CFS**

Post-development

3.99 **CFS**

Total Extreme Flood Control Criteria (Qf)

Pre-Development

17.66 **CFS**

Post-development

13.15 **CFS**

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

37a. The need to meet the Qp and Qf criteria has been waived because:

- ○ Site discharges directly to tidal waters or a fifth order or larger stream.
- ○ Downstream analysis reveals that the Qp and Qf controls are not required

38. Has a long term Operation and Maintenance Plan for the post-construction stormwater management practice(s) been developed? ○ Yes ◉ No

If Yes, Identify the entity responsible for the long term Operation and Maintenance

39. Use this space to summarize the specific site limitations and justification for not reducing 100% of WQv required(#28). (See question 32a) This space can also be used for other pertinent project information.

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

40. Identify other DEC permits, existing and new, that are required for this project/facility.

- ○ Air Pollution Control
- ○ Coastal Erosion
- ○ Hazardous Waste
- ○ Long Island Wells
- ○ Mined Land Reclamation
- ○ Solid Waste
- ○ Navigable Waters Protection / Article 15
- ○ Water Quality Certificate
- ○ Dam Safety
- ○ Water Supply
- ○ Freshwater Wetlands/Article 24
- ○ Tidal Wetlands
- ○ Wild, Scenic and Recreational Rivers
- ○ Stream Bed or Bank Protection / Article 15
- ○ Endangered or Threatened Species(Incidental Take Permit)
- ○ Individual SPDES
- ○ SPDES Multi-Sector GP [N][Y][R][ ][ ][ ][ ][ ][ ]
- ○ Other [ ]
- ● None

41. Does this project require a US Army Corps of Engineers Wetland Permit? ○ **Yes** ● **No**
If Yes, Indicate Size of Impact. [ ][ ][ ][ ][ ].[ ]

42. Is this project subject to the requirements of a regulated, traditional land use control MS4? ● **Yes** ○ **No**
(If No, skip question 43)

43. Has the "MS4 SWPPP Acceptance" form been signed by the principal executive officer or ranking elected official and submitted along with this NOI? ● **Yes** ○ **No**

44. If this NOI is being submitted for the purpose of continuing or transferring coverage under a general permit for stormwater runoff from construction activities, please indicate the former SPDES number assigned. [N][Y][R][ ][ ][ ][ ][ ][ ]

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

Owner/Operator Certification

I have read or been advised of the permit conditions and believe that I understand them. I also understand that, under the terms of the permit, there may be reporting requirements. 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 coverage under the general permit will be identified in the acknowledgment that I will receive as a result of submitting this NOI and can be as long as sixty (60) business days as provided for in the general permit. I also understand that, by submitting this NOI, I am acknowledging that the SWPPP has been developed and will be implemented as the first element of construction, and agreeing to comply with all the terms and conditions of the general permit for which this NOI is being submitted.

Print First Name

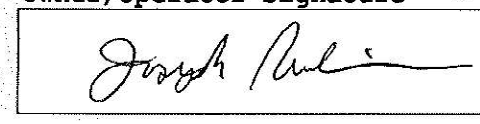
JOSEPH

MI

Print Last Name

RUBINO

Owner/Operator Signature



Date

02/06/2025

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

Appendix C

MS4 SWPPP Acceptance Form

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

NEW YORK STATE | Department of Environmental Conservation

MS4 SWPPP Acceptance Form

for construction activities seeking authorization under the

SPDES General Permit for Stormwater Discharges from Construction Activity, GP-0-25-001 (CGP)

(In accordance with CGP Part I.D.2.b., the completed form must be attached to the eNOI and submitted to NYSDEC electronically.)

I. Project Owner/Operator Information	
1. Owner/Operator Name:	Joseph Rubino
2. Contact Person:	Joseph Rubino
3. Street Address:	5500 Main Street
4. City/State/Zip:	Williamsville, New York 14221
II. Project Site Information	
5. Project/Site Name:	Single Family Subdivision
6. Street Address:	1789 Dodge Road
7. City/State/Zip:	Amherst, New York 14051
III. Stormwater Pollution Prevention Plan (SWPPP) Review and Acceptance Information	
8. SWPPP Reviewed by:	
9. Title/Position:	
10. Date Final SWPPP Reviewed and Accepted:	
IV. Regulated MS4 Information	
11. Name of MS4 Operator:	
12. MS4 SPDES Permit Identification Number: NYR20A	
13. Street Address:	
14. City/State/Zip:	
15. Telephone Number:	

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

MS4 SWPPP Acceptance Form - continued

V. Certification Statement - MS4 Official (principal executive officer or ranking elected official) or Duly Authorized Representative

I hereby certify that the final Stormwater Pollution Prevention Plan (SWPPP) for the construction project identified in section II. of this form has been reviewed and meets the substantive requirements in the SPDES General Permit for Stormwater Discharges from Construction Activity, GP-0-25-001 (CGP). Note: The MS4 Operator, through the acceptance of the SWPPP, assumes no responsibility for the accuracy and adequacy of the design included in the SWPPP. In addition, review and acceptance of the SWPPP by the MS4 Operator does not relieve the owner/operator or their SWPPP preparer of responsibility or liability for errors or omissions in the plan.

Printed Name[1]:

Title/Position:

Signature:

Date:

VI. Additional Information

[1] Printed name of the principal executive officer or ranking elected official for the MS4 Operator or their duly authorized representative in accordance with CGP Part VII.J.2.

(NYSDEC - MS4 SWPPP Acceptance Form - January 2025)

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

Appendix D

NYSDEC SPDES General Permit for Stormwater Discharges from Construction Activity Permit No. GP-0-25-001

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL
CONSERVATION (NYSDEC)

SPDES GENERAL PERMIT
FOR STORMWATER DISCHARGES

From

CONSTRUCTION ACTIVITY

Permit No. GP-0-25-001

Construction General Permit (CGP)

Issued Pursuant to Article 17, Titles 7, 8 and Article 70

of the Environmental Conservation Law

Effective Date: January 29, 2025 Expiration Date: January 28, 2030

Scott E. Sheeley

Chief Permit Administrator

Scott E. Sheeley JAN. 29, 2025

Authorized Signature Date

Address: NYSDEC
Division of Environmental Permits
625 Broadway, 4th Floor
Albany, N.Y. 12233-1750

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

PREFACE

Pursuant to Section 402 of the Clean Water Act (CWA), and 40 CFR 122.26(b)(14)(x), (15)(i), and (15)(ii), *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 State 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 and 8, and Article 70, as well as 6 NYCRR Parts 621 and 750.

C*onstruction activities* constitute construction of a *point source* and, therefore, pursuant to ECL sections 17-0505, 17-0701, and 17-0803, the *owner or operator* must have coverage under a SPDES permit prior to *commencement of construction activities*. 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: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
SPDES CONSTRUCTION GENERAL PERMIT (CGP) GP-0-25-001
FOR STORMWATER DISCHARGES FROM CONSTRUCTION ACTIVITIES

Table of Contents

Part I. How to Obtain Coverage and General Requirements 5
A. Eligibility Requirements 5
B. Types of *Discharges* Authorized 9
C. Prohibited *Discharges* 10
D. Electronic Notice of Intent (eNOI) Submittal 10
E. General Requirements for *Owners or Operators* with Permit Coverage 14
F. Permit Coverage for *Discharges* Authorized Under GP-0-20-001 18
G. Change of *Owner or Operator* 19
Part II. Water Quality-Based Effluent Limitations 20
A. Maintaining Water Quality 20
B. Effluent Limitations Applicable to *Discharges* from *Construction Activities* 20
C. Post-Construction Stormwater Management Practice (SMP) Requirements 23
Part III. Stormwater Pollution Prevention Plan (SWPPP) 28
A. General *SWPPP* Requirements 28
B. Required *SWPPP* Contents 32
C. Required *SWPPP* Components by Project Type 37
Part IV. Inspection and Maintenance Requirements 37
A. General Construction Site Inspection and Maintenance Requirements 37
B. Contractor Maintenance Inspection Requirements 37
C. *Qualified Inspector* Inspection Requirements 38
Part V. How to Terminate CGP Coverage 43
A. Electronic Notice of Termination (eNOT) Submittal 43
Part VI. Record Retention and Reporting 45
A. Record Retention 46
B. Reporting 46
Part VII. Standard Permit Requirements 46
A. Duty to Comply 46
B. Need to Halt or Reduce Activity Not a Defense 46
C. Penalties 46
D. False Statements 47
E. Re-Opener Clause 47
F. Duty to Mitigate 47
G. Requiring Another General Permit or Individual SPDES Permit 47
H. Duty to Provide Information 49
I. Extension 49
J. Signatories and Certification 50
K. Inspection and Entry 52
L. Confidentiality of Information 53
M. Other Permits May Be Required 53

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

N. NYSDEC Orders or Civil Decrees/Judgments 53
O. Property Rights 53
P. Compliance with Interstate Standards 53
Q. Oil and Hazardous Substance Liability 54
R. Severability 54
S. NYSDEC Approved Forms 54
APPENDIX A – Abbreviations and Definitions 55
Abbreviations 55
Definitions 56
APPENDIX B – Required SWPPP Components by Project Type 64
Table 1 64
Table 2 66
APPENDIX C – Watersheds Requiring Enhanced Phosphorus Removal 68
APPENDIX D – Impaired Waterbodies (by Construction Related Pollutants) 74
APPENDIX E – List of NYSDEC Regional Offices 80
APPENDIX F – SWPPP Preparer Certification Form 81
APPENDIX G – MS4 SWPPP Acceptance Form 83
APPENDIX H – NYCDEP SWPPP Acceptance/Approval Form 86
APPENDIX I – MS4 No Jurisdiction Form 89
APPENDIX J – Owner/Operator Certification Form 91

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

Part I. How to Obtain Coverage and General Requirements

To be covered under this permit, the *owner or operator* must meet all eligibility requirements in Part I.A. and follow the requirements for obtaining permit coverage in Part I.D., F., or G.

A. Eligibility Requirements

For a *common plan of development or sale*, the *phase(s)* that meet the eligibility requirements in Part I.A. may obtain coverage under this permit even if other *phase(s)* of the same *common plan of development or sale* do not meet the eligibility requirements and require an individual SPDES permit.

1. The *owner's or operator's construction activities* involve soil disturbances of:

    a. one or more acres; or

    b. less than one acre which are part of a *common plan of development or sale* that will ultimately disturb one or more acres; or

    c. less than one acre where NYSDEC 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*.

        i. 5,000 square feet or more, but less than one acre, and are in the New York City Watershed located east of the Hudson River, Appendix C Figure 1; or

        ii. 20,000 square feet or more, but less than one acre, within the municipal boundaries of the City of New York (NYC); or

        iii. less than 20,000 square feet which are part of a *common plan of development or sale* that will ultimately disturb 20,000 square feet or more, but less than one acre, within the municipal boundaries of NYC; or

        iv. that creates 5,000 square feet or more of *impervious area* within the municipal boundaries of NYC.

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

2. *Discharges* from the *owner's or operator's construction activities* are/were not:

    a. already covered by a different SPDES permit; or

    b. covered under a different SPDES permit that was denied, terminated, or revoked; or

    c. identified in an expired individual SPDES permit that was not renewed; or

    d. required to obtain an individual SPDES permit or another general SPDES permit in accordance with Part VII.K.

3. If *construction activities* may adversely affect a species that is endangered or threatened, the *owner or operator* must obtain a:

    a. permit issued pursuant to 6 NYCRR Part 182 for the project; or

    b. letter issued by NYSDEC of non-jurisdiction pursuant to 6 NYCRR Part 182 for the project.

4. If *construction activities* have the potential to affect an *historic property*, the *owner or operator* must obtain one of the following:

    a. documentation that the *construction activity* is not within an archeological buffer 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:

        i. 1-5 acres of disturbance - 20 feet; or

        ii. 5-20 acres of disturbance - 50 feet; or

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

iii. 20+ acres of disturbance - 100 feet.

b. NYSDEC consultation form sent to OPRHP,[1] and copied to NYSDEC's Agency Historic Preservation Officer (APO), and

   i. the State Environmental Quality Review Act (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 or 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).

c. documentation of satisfactory compliance with Section 106 of the National Historic Preservation Act for a coterminous project area:

   i. No Affect; or

   ii. No Adverse Affect; or

   iii. Executed Memorandum of Agreement.

d. documentation that SHPA Section 14.09 has been completed by NYSDEC or another state agency.

5. If *construction activities* are subject to SEQR, the *owner or operator* must obtain documentation that SEQR has been satisfied.

6. If *construction activities* are not subject to SEQR, but subject to the equivalent environmental review from another New York State or federal agency, the

[1] The consultation form can be submitted, along with other project information, through OPRHP's Cultural Resource Information System (CRIS) portal. If submitted through CRIS, paper copies of the consultation form need not be mailed.

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

owner or operator must obtain documentation that project review, pursuant to a process equivalent to SEQR from another New York State or federal agency, has been satisfied.

7. If *construction activities* require Uniform Procedures Act (UPA) Permits (see 6 NYCRR Part 621) from NYSDEC, or the equivalent from another New York State or federal agency, the *owner or operator* must:

    a. obtain all such necessary permits; or

    b. receive notification from NYSDEC pursuant to 6 NYCRR 621.3(a)(4) excepting Part I.A.7.a.

8. *Construction activities* are not eligible if they meet the following criteria in Part I.A.8.a. or b.:

    a. For linear transportation and linear utility project types, the *construction activities*:

        i. are within the watershed of *surface waters of the State* classified as AA or AA-S identified utilizing the Stormwater Interactive Map on NYSDEC's website; and

        ii. are undertaken on land with no existing *impervious cover*; and

        iii. disturb two or more acres of *steep slope*.

    b. For all other project types, the *construction activities*:

        i. are within the watershed of *surface waters of the State* classified as AA or AA-S identified utilizing the Stormwater Interactive Map on NYSDEC's website; and

        ii. are undertaken on land with no existing *impervious cover*; and

        iii. disturb one or more acres of *steep slope*.

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

B. Types of *Discharges* Authorized

1. The following *stormwater discharges* are authorized under this permit:

   a. *Stormwater discharges*, including *stormwater* runoff, snowmelt runoff, and surface runoff and drainage, associated with *construction activity*, are authorized under this permit provided that appropriate *stormwater* controls are designed, installed, and maintained in accordance with Part II. and Part III.

   b. *Stormwater discharges* from construction support activities at the *construction site* (including concrete or asphalt batch plants, equipment staging yards, material storage areas, excavated material disposal areas, and borrow areas) if the following requirements are met:

      i. The support activity is directly related to the *construction site* required to have permit coverage for *stormwater discharges*; and

      ii. The support activity is not a commercial operation, nor does it serve multiple unrelated *construction sites*; and

      iii. The support activity does not continue to operate beyond the completion of the *construction activity* at the site it supports; and

      iv. *Stormwater* controls are implemented in accordance with Part II. and Part III. for *discharges* from the support activity areas.

2. The following non-*stormwater discharges* associated with *construction activity* are authorized under this permit:

   a. Non-*stormwater discharges* 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"; and

   b. Non-*stormwater discharges* of waters to which other components have not been added that are used in accordance with the *SWPPP* to control dust or irrigate vegetation in stabilized areas; and

   c. Uncontaminated *discharges* from *dewatering* operations

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

3. Authorized *discharges* of *stormwater* or authorized *discharges* of non-*stormwater*, commingled with a *discharge* authorized by a different SPDES permit and/or a *discharge* that does not require SPDES permit authorization, are also authorized under this permit.

C. Prohibited *Discharges*

1. Non-*stormwater discharges* prohibited under this permit include but are not limited to:

    a. Wastewater from washout of concrete; and

    b. Wastewater from washout and cleanout of stucco, paint, form release oils, curing compounds, and other construction materials; and

    c. Fuels, oils, or other *pollutants* used in vehicle and equipment operation and maintenance; and

    d. Soaps, solvents, or detergents used in vehicle and equipment washing or external building washdown; and

    e. Toxic or hazardous substances from a spill or other release.

D. Electronic Notice of Intent (eNOI) Submittal

To receive authorization in accordance with Part I.D.3.b., the *owner or operator* must submit a complete eNOI in accordance with the requirements in Part I.D. The eNOI contains questions to: ensure eligibility requirements in Part I.A. have been met; obtain *owner or operator* contact information; obtain the total area to be disturbed and the existing/future *impervious areas* (rounded to the nearest tenth of an acre); confirm *Traditional Land Use Control MS4 Operator* jurisdiction over construction projects; satisfy the EPA eRule requirements; confirm that the Water Quality-Based Effluent Limitations in Part II. have been met; demonstrate consideration of the future risks due to climate change in accordance with Part III.A.2.; and confirm that the other *Stormwater Pollution Prevention Plan (SWPPP)* requirements in Part III. have been met.

1. An eNOI may be submitted for:

    a. *construction activities* that are not part of a *common plan of development or sale*; or

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

b. an entire *common plan of development or sale*; or

c. separate *phase(s)* of a *common plan of development or sale* if the following requirements are met:

   i. the *common plan of development or sale* meets the eligibility requirements of Part I.A.5. or 6.; and

   ii. the *phase(s)* meet(s) all other eligibility requirements of Part I.A.; and

   iii. Part III.C. Required *SWPPP* Components by Project Type is based on the *common plan of development or sale*, not the *phase(s)*; or

d. *tree clearing* that is associated with, or will support, a *renewable energy* generation, transmission, or storage project that meets Part I.A.5. and 6., if the *tree clearing*:

   i. meets all other eligibility requirements of Part I.A.; and

   ii. will occur in NYSDEC's Regions 3-9; and

   iii. is not within ¼ mile of a bat hibernaculum protected pursuant to 6 NYCRR Part 182; and

   iv. will occur between November 1st and March 31st.

2. As prerequisites for submitting an eNOI, the *owner or operator* must:

   a. prepare a *SWPPP* for Part I.D.1.a., b., c., or d. in accordance with Part III.; and

   b. based on the following criteria, upload the following signature forms signed in accordance with Part VII.J. to the eNOI prior to submission:

      i. for all eNOIs:

         1. the SWPPP Preparer Certification Form, Appendix F, signed by the *SWPPP* preparer; and

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

2. the Owner/Operator Certification Form, Appendix J, signed by the *owner or operator*; and

ii. if an eNOI includes *construction activities* within the municipal boundary(ies) of *Traditional Land Use Control MS4 Operator(s)* that will *discharge* to the *MS4(s)*:

1. determine if the *Traditional Land Use Control MS4 Operator(s)* have review authority. A *Traditional Land Use Control MS4 Operator* does not have review authority where:

a. the *owner or operator* of the *construction activities* in Part I.D.2.b.ii. is the same entity as the *Traditional Land Use Control MS4 Operator* identified in Part I.D.2.b.ii.; or

b. there is a statute exempting the *owner or operator* from zoning review by the *Traditional Land Use Control MS4 Operator*; or

c. there is no such statute per Part I.D.2.b.ii.1.b., the *Traditional Land Use Control MS4 Operator* concludes, after public hearing, that it does not have zoning review authority in accordance with Legal Memorandum LU14 Updated January 2020 “Governmental Immunity from Zoning and Other Legislation”; and

2. if the *Traditional Land Use Control MS4 Operator(s)* have review authority, submit the *SWPPP* to the *Traditional Land Use Control MS4 Operator(s)* for review and have:

a. if outside the municipal boundaries of NYC: the MS4 SWPPP Acceptance Form, Appendix G, signed by the principal executive officer or ranking elected official from the *Traditional Land Use Control MS4 Operator,* or by a duly authorized representative of that person in accordance with Part VII.J.2.; or

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

b. if within the municipal boundaries of NYC: The City of New York Department of Environmental Protection (NYCDEP) SWPPP Acceptance/Approval Form, Appendix H, signed by the principal executive officer or ranking elected official from the Traditional Land Use Control MS4 Operator, or by a duly authorized representative of that person in accordance with Part VII.J.2.; and

3. if the *Traditional Land Use Control MS4 Operator* does not have review authority, have the MS4 No Jurisdiction Form, Appendix I, signed by the principal executive officer or ranking elected official from the *Traditional Land Use Control MS4 Operator,* or by a duly authorized representative of that person in accordance with Part VII.J.2.

3. Submitting an eNOI:

a. The *owner or operator* must submit a complete Notice of Intent electronically using a NYSDEC approved form.[2]

b. The *owner or operator* is authorized to *commence construction activity* as of the authorization date indicated in the Letter of Authorization (LOA), which is sent by NYSDEC after a complete eNOI is submitted.

i. If an eNOI is received for a *SWPPP* that deviates from one of the technical standards but demonstrates *equivalence* in accordance with Part III.B.1.a.ii. or Part III.B.2.b.ii., if the *SWPPP* includes *construction activities* that are not within the municipal boundary(ies) of *Traditional Land Use Control MS4 Operator(s)*, and/or if the *SWPPP* includes *construction activities* within the municipal boundary(ies) of *Traditional Land Use Control MS4 Operator(s)* that do not have review authority in accordance with Part I.D.2.b.ii.1., the authorization date indicated in the LOA will be 60 business days after the eNOI submission date.

[2] Unless NYSDEC grants a waiver in accordance with 40 CFR 127.15(c) or (d). All waiver requests must be submitted to Stormwater_info@dec.ny.gov or NYSDEC, Bureau of Water Permits, 625 Broadway, 4th Floor, Albany, New York 12233-3505.

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

c. If *Traditional Land Use Control MS4 Operator(s)* have review authority in accordance with Part I.D.2.b.ii.2., the *owner or operator* must, within five business days of receipt of the LOA, send an electronic copy of the LOA to the *Traditional Land Use Control MS4 Operator(s)* with review authority.

E. General Requirements for *Owners or Operators* with Permit Coverage

1. As of the date the LOA is received, the *owner or operator* must make the eNOI, *SWPPP*, and LOA available for review and copying in accordance with the requirements in Part VII.H. When applicable, as of the date an updated LOA is received, the *owner or operator* must make the updated LOA available for review and copying in accordance with the requirements in Part VII.H.

2. The *owner or operator* must ensure compliance with all requirements of this permit and that the provisions of the *SWPPP*, including any changes made to the *SWPPP* in accordance with Part III.A.5., are properly implemented and maintained from the *commencement of construction activity* until:

   a. all areas of disturbance have achieved *final stabilization;* and

   b. the owner's or operator's coverage under this permit is terminated in accordance with Part V.A.5.a.

3. As of the date of the *commencement of construction activities* until Part I.E.2.a. and b. have been met, the *owner or operator* must maintain at the *construction site*, a copy of:

   a. all documentation necessary to demonstrate eligibility with this permit; and

   b. this permit; and

   c. the *SWPPP*; and

   d. the signed SWPPP Preparer Certification Form; and

   e. the signed MS4 SWPPP Acceptance Form or signed NYCDEP SWPPP Acceptance/Approval Form or signed MS4 No Jurisdiction Form (when applicable); and

   f. the signed Owner/Operator Certification Form; and

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

g. the eNOI; and

h. the LOA; and

i. the LOA transmittal to the Traditional Land Use Control MS4 Operator in accordance with Part I.D.3.c. (when applicable).

4. The *owner or operator* must maintain at the *construction site*, until Part I.E.2.a. and b. have been met, as of the date the documents become final or are received, a copy of the:

   a. responsible contractor's or subcontractor's certification statement(s) in accordance with Part III.A.7.; and

   b. inspection reports in accordance with Part IV.C.4. and 6.; and

   c. Request to Disturb Greater Than Five Acres and the Authorization Letter to Disturb Greater Than Five Acres in accordance with Part I.E.6. (when applicable); and

   d. Request to Continue Coverage and the Letter of Continued Coverage (LOCC) in accordance with Part I.F.2. and 4. (when applicable); and

   e. The updated LOA(s) in accordance with Part I.E.9. (when applicable).

5. The *owner or operator* must maintain the documents in Part I.E.3. and 4. 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. The documents must be paper documents unless electronic documents are accessible to the inspector during an inspection to the same extent as a paper copy stored at the site would be. If electronic documents are kept on site, the *owner or operator* must maintain functional equipment on site available to an inspector during normal hours of operation such that an inspector may view the electronic documents in a format that can be read in a similar manner as a paper record and in a legally dependable format with no less evidentiary value than their paper equivalent.

6. The *owner or operator* must meet the following requirements prior to disturbing greater than five acres of soil at any one time:

   a. The *owner or operator* must submit a written Request to Disturb Greater Than Five Acres to:

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

i. NYSDEC's Regional Office Division of Water staff based on the project location, Appendix E, if a *Traditional Land Use Control MS4 Operator* does not have review authority in accordance with Part I.D.2.b.ii.1.; or

ii. the *Traditional Land Use Control MS4 Operator*, if a *Traditional Land Use Control MS4 Operator* has review authority in accordance with Part I.D.2.b.ii.1.; or

iii. NYSDEC's Regional Office Division of Water staff based on the project location, Appendix E, and each involved *Traditional Land Use Control MS4 Operator*, if the project spans multiple municipalities with more than one *Traditional Land Use Control MS4 Operator* involved with review authority in accordance with Part I.D.2.b.ii.1.

b. The written Request to Disturb Greater Than Five Acres must include:

i. The SPDES permit identification number (Permit ID); and

ii. Full technical justification demonstrating why alternative methods of construction that would result in five acres of soil disturbance or less at any one time are not feasible; and

iii. The phasing plan for the project and sequencing plans for all *phases* from the *SWPPP* in accordance with Part III.B.1.d.; and

iv. Plans with locations and details of erosion and sediment control practices such that the heightened concern for erosion when disturbing greater than five acres at one time has been addressed; and

v. Acknowledgment that "the *owner or operator* will comply with the requirements in Part IV.C.2.b."; and

vi. Acknowledgment that "the *owner or operator* will comply with the requirements in Part II.B.1.b."

c. The *owner or operator* must be in receipt of an Authorization Letter to Disturb Greater Than Five Acres, which will include when the

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

authorization begins and ends and indicate a maximum area (acres) of soil disturbance allowed at any one time, from:

i. NYSDEC, if Part I.E.6.a.i. or iii. apply; or

ii. the *Traditional Land Use Control MS4 Operator*, if Part I.E.6.a.ii. applies.

7. Upon a finding of significant non-compliance with the practices described in the *SWPPP* or violation of this permit, NYSDEC may order an immediate stop to all *construction activity* at the site until the non-compliance is remedied. The stop work order must be in writing, describe the non-compliance in detail, and be sent to the *owner or operator*.

8. 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).[3] *Construction activity* shall not resume until written permission to do so has been received from the RWE.

9. To be authorized to implement modifications to the information previously submitted in the eNOI, the *owner or operator* must:

   a. notify NYSDEC via email at Stormwater_info@dec.ny.gov requesting access to update the eNOI; and

   b. update the eNOI to reflect the modifications and resubmit the eNOI in accordance with Part I.D.; and

   c. receive an updated LOA.

10. The eNOI, *SWPPP*, LOA, updated LOAs (when applicable), 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 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.

[3] The Regional Water Manager where a DEC Region does not have a RWE.

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

F. Permit Coverage for *Discharges* Authorized Under GP-0-20-001

When applicable:

1. Upon the effective date of this permit, an *owner or operator* of *a construction activity*, with coverage under GP-0-20-001, will have interim coverage under GP-0-25-001 for 45 calendar days starting on the effective date of GP-0-25-001 so long as the *owner or operator* maintains compliance with all applicable requirements of this permit.

2. Within 30 calendar days of the effective date of this permit, the *owner or operator*, with coverage under GP-0-20-001, must submit a complete Request to Continue Coverage electronically using a NYSDEC approved form,[4] which contains the information identified in Part I.F.3. below, if:

   a. the *owner or operator* continues to implement the SMP component in conformance with the technical standards in place at the time of initial project authorization; and

   b. the *owner or operator* will comply with all non-design requirements of GP-0-25-001.

3. The Request to Continue Coverage form contains questions to: ensure eligibility requirements in Part I.A. have been met; verify *owner or operator* contact information; verify the permit identification number; verify the original eNOI submission ID, if applicable; verify Part I.F.2.a. and b.; verify the version of the Design Manual that the technical/design components conform to; and receive an updated Owner/Operator Certification Form, Appendix I.

4. The *owner or operator* has obtained continued coverage under GP-0-25-001 as of the date indicated in the LOCC, which is sent by NYSDEC after a complete Request to Continue Coverage form is submitted.

5. If the owner or operator does not submit the Request to Continue Coverage form in accordance with Part I.F.2. and 3., coverage under this permit is automatically terminated after interim coverage expires.

[4] Unless NYSDEC grants a waiver in accordance with 40 CFR 127.15(c) or (d). All waiver requests must be submitted to Stormwater_info@dec.ny.gov or NYSDEC, Bureau of Water Permits, 625 Broadway, 4th Floor, Albany, New York 12233-3505.

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

G. Change of *Owner or Operator*

When applicable:

1. When property ownership changes, or when there is a change in operational control over the construction plans and specifications, the following process applies:

    a. The new *owner or operator* must meet the applicable prerequisites for submitting an eNOI in accordance with Part I.D.2.; and

    b. The new *owner or operator* must submit an eNOI in accordance with Part I.D.3.; and

    c. Permit coverage for the new *owner or operator* will be effective upon receipt of the LOA in accordance with Part I.D.3.b.; and

    d. The new *owner or operator*, upon receipt of their LOA, must provide their Permit ID to the original *owner or operator*; and

    e. If the original *owner or operator* will no longer be the *owner or operator* of the *construction activity* identified in the original *owner's or operator's* eNOI, the original *owner or operator*, upon receipt of the new *owner's or operator's* Permit ID in accordance with Part I.G.1.d., must submit to NYSDEC a completed eNOT in accordance with Part V. that includes the name and Permit ID of the new *owner or operator*; or

    f. If the original *owner or operator* maintains ownership of a portion of the *construction activity*, the original *owner or operator* must maintain their coverage under the permit by modifying their eNOI; modifications to the eNOI must include:

        i. the revised area of disturbance and/or *impervious area(s)*; and

        ii. the revised SMP information, if applicable; and

        iii. a narrative description of what has changed; and

        iv. the new *owner's or operator's* Permit ID for the portion of the project removed from the eNOI.

    Owners or operators must follow Part I.E.9. to modify the eNOI.

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

Part II. Water Quality-Based Effluent Limitations

A. Maintaining Water Quality

NYSDEC expects that compliance with the requirements 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 the following *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:

1. There must be no increase in turbidity that will cause a substantial visible contrast to natural conditions; and

2. There must be no increase in suspended, colloidal or settleable solids that will cause deposition or impair the waters for their best usages; and

3. There must 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 standard,* the *owner or operator* must take appropriate corrective action in accordance with Part IV.C.5. of this permit and document in accordance with Part IV.C.4. of this permit. To address the *water quality standard* violation the *owner or operator* must include and implement appropriate controls in the *SWPPP* to correct the problem or obtain an individual SPDES permit.

If, despite compliance with the requirements of this 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 NYSDEC determines that a modification of this 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, and the *owner or operator* must obtain an individual SPDES permit prior to further *discharges* from the *construction site*.

B. Effluent Limitations Applicable to *Discharges* from *Construction Activities*

*Discharge*s authorized by this permit must achieve, at a minimum, the effluent limitations in Part II.B.1.a., b., c., d., and e. These limitations represent the

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

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 II.B.1.a., b., c., d., and e. and be in accordance with the New York State Standards and Specifications for Erosion and Sediment Control (BB), 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 *SWPPP* the reason(s) for the deviation, or alternative design, and provide information in the *SWPPP* demonstrating that the deviation or alternative design is *equivalent* to the technical standard.

    a. **Erosion and Sediment Controls.** At a minimum, erosion and sediment controls must be selected, designed, installed, implemented, and maintained to:

        i. *Minimize* soil erosion through application of runoff control and soil stabilization control measure to *minimize pollutant discharge*s; and

        ii. Control *stormwater discharge*s, including both peak flow rates and total *stormwater* volume, to *minimize* channel and *streambank* erosion and scour in the immediate vicinity of the *discharge* points; and

        iii. *Minimize* the amount of soil exposed during *construction activity*; and

        iv. *Minimize* the disturbance of *steep slope*; and

        v. *Minimize* sediment *discharge*s from the site; and

        vi. Provide and maintain *natural buffers* around surface waters, direct *stormwater* to vegetated areas and maximize *stormwater* infiltration to reduce *pollutant discharge*s, unless *infeasible*; and

        vii. *Minimize* soil compaction. *Minimizing* soil compaction is not required

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

where the intended function of a specific area of the site dictates that it be compacted; and

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 ceased, whether permanently or *temporarily ceased*, the application of soil stabilization measures must be initiated by the end of the next business day and completed within 14 calendar days from the date the current soil disturbance activity ceased. For *construction sites* that *directly discharge* to one of the 303(d) segments listed in Appendix D, or are located in one of the watersheds listed in Appendix C, or are authorized to disturb greater than five acres in accordance with Part I.E.5.a.viii., the application of soil stabilization measures must be initiated by the end of the next business day and completed within seven calendar days from the date the soil disturbance activity 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**. Select, 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 selected, designed, installed, implemented, and maintained to:

i. *Minimize* the *discharge* of *pollutants* from equipment and vehicle washing, wheel wash water, and other wash waters. Soaps, detergents and solvents cannot be used; and

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

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

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. **Surface Outlets.** When discharging from basins and impoundments, the surface outlets must 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 (SMP) Requirements

1. The *owner or operator* of a *construction activity* that requires post-construction SMPs, in accordance with Part III.C., must select, design, install, implement, and maintain the SMPs to meet the *performance criteria* in the New York State Stormwater Management Design Manual, dated July 31, 2024 (DM), using sound engineering judgment. Where SMPs are not designed in conformance with the *performance criteria* in the DM, 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 SMPs in accordance with Part III.C., must design the practices to meet the applicable *sizing criteria* in Part II.C.2.a., b., c., or d.

a. Sizing Criteria for *New Development*

i. Runoff Reduction Volume (RRv) and Water Quality Volume (WQv):

1. Reduce the total WQv by application of RR techniques and standard SMPs with RRv capacity. The total WQv must be calculated in accordance with the criteria in Section 4.2 of the DM; or

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

2. Minimum RRv and Treatment of Remaining Total WQv: *Construction activities* that cannot meet the requirements in Part II.C.2.a.i.1. due to *site limitations* must 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 must 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 4.4 of the DM. The remaining portion of the total WQv that cannot be reduced must be treated by application of standard SMPs.

ii. Channel Protection Volume (CPv): Provide 24 hour extended detention of the post-developed 1-year, 24-hour storm event, remaining after runoff reduction. Where a CPv control orifice is provided, the minimum orifice size must be 3 inches, with acceptable external trash rack or orifice protection. 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 1-year post-development peak *discharge* is less than or equal to 2.0 cfs without detention or velocity controls; or

   3. The site *directly discharges* into a fifth order or larger water body (stream, river, or lake), or tidal waters, where the increase in smaller flows will not impact the stream bank or channel integrity. However, the point of *discharge* must be adequately protected against scour and erosion by the increased peak *discharge*.

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

iii. *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 *directly discharges* to tidal waters or fifth order or larger streams, or

2. A downstream analysis reveals that *overbank* control is not required.

iv. 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 *directly discharges* 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 Watersheds

i. Runoff Reduction Volume (RRv) and Water Quality Volume (WQv):

1. Reduce the 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 must be calculated in accordance with the criteria in Section 4.3 of the DM; or

2. Minimum RRv and Treatment of Remaining Total WQv: *Construction activities* that cannot meet the criteria in Part II.C.2.b.i.1. due to *site limitations* must 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 must 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

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

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 4.5 of the DM. The remaining portion of the total WQv that cannot be reduced must be treated by application of standard SMPs.

ii. Channel Protection Volume (CPv): Provide 24 hour extended detention of the post-developed 1-year, 24-hour storm event, remaining after runoff reduction. Where a CPv control orifice is provided, the minimum orifice size must be 3 inches, with acceptable external trash rack or orifice protection. 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 1-year post-development peak *discharge* is less than or equal to 2.0 cfs; or

3. The site *directly discharges* to tidal waters, or a fifth order or larger water body (stream, river, or lake) where the increase in smaller flows will not impact the stream bank or channel integrity. However, the point of *discharge* must be adequately protected against scour and erosion by the increased peak *discharge*.

iii. *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 *directly discharges* to tidal waters or fifth order or larger streams; or

2. A downstream analysis reveals that *overbank* control is not required.

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

iv. 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 *directly discharges* to tidal waters or fifth order or larger streams; or

2. A downstream analysis reveals that *overbank* control is not required.

c. *Sizing Criteria* for *Redevelopment Activity*

i. Water Quality Volume (WQv): The WQv treatment objective for *redevelopment activity* must be addressed by one of the following options, as outlined in Section 9.2.1. *Redevelopment activities* located in an Enhanced Phosphorus Removal Watershed (see Part III.B.3. and Appendix C) must calculate the WQv in accordance with Section 4.3 of the DM. All other *redevelopment activities* must calculate the WQv in accordance with Section 4.2 of the DM.

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 DM must be applied to all newly created pervious areas; or

2. Capture and treat 100% of the required WQv, for a minimum of 25% of the disturbed redevelopment *impervious area*, by implementation of standard SMPs or reduced by application of runoff reduction techniques; or

3. Capture and treat 100% of the required WQv, for a minimum of 75% of the disturbed redevelopment *impervious area*, by implementation of a volume-based alternative SMP, as defined in Section 9.4 of the DM; or

4. Capture and treat 100% of the required WQv, for a minimum of 75% of the disturbed redevelopment *impervious area*, by implementation of a flow-through alternative SMP sized to treat the peak rate of runoff from the WQv design storm; or

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

5. Application of a combination of 1 through 4 above that provide a weighted average of at least two of the above methods. Application of this method must be in accordance with the criteria in Section 9.2.1(A)(V) of the DM; or

6. If there is an existing SMP 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 through 5 above.

ii. Channel Protection Volume (CPv) is not required if there is 0% change to hydrology that increases the *discharge* rate and volume from the project site.

iii. *Overbank* Flood Control (Qp) is not required if there is 0% change to hydrology that increases the *discharge* rate from the project site.

iv. Extreme Flood Control (Qf) is not required if there is 0% change to hydrology that increases the *discharge* rate from the project site.

d. *Sizing Criteria* for Combination of *Redevelopment Activity* and *New Development*

Construction projects, that include both *new development* and *redevelopment activity*, must use SMPs that meet the *sizing criteria* calculated as an aggregate of the *sizing criteria* in Part II.C.2.a. or b. for the *new development* portion of the project and Part II.C.2.c. for the *redevelopment activity* portion of the project.

Part III. Stormwater Pollution Prevention Plan (SWPPP)

A. General *SWPPP* Requirements

1. A *SWPPP* must be prepared and implemented by the *owner or operator* of all *construction activity* covered by this permit. All authorized *discharges* must be identified in the *SWPPP*. The *SWPPP* must document the selection, design, installation, implementation and maintenance of the control measures and

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

practices that will be used to meet the effluent limitations in Part II.B. and, where applicable, the SMP requirements in Part II.C.

2. The *SWPPP* must demonstrate consideration in narrative format of the future physical risks due to climate change pursuant to the Community Risk and Resiliency Act (CRRA), 6 NYCRR Part 490, and associated guidance.

   a. The owner or operator must consider:

      i. the following physical risks due to climate change:

         (i) increasing temperature; and

         (ii) increasing precipitation; and

         (iii) increasing variability in precipitation, including chance of drought; and

         (iv) increasing frequency and severity of flooding; and

         (v) rising sea level; and

         (vi) increasing storm surge; and

         (vii) shifting ecology.

      ii. for each of the following:

         (i) overall site planning; and

         (ii) location, elevation, and sizing of:

            a. control measures and practices; and

            b. conveyance system(s); and

            c. detention system(s).

3. The *SWPPP* must describe the erosion and sediment control practices and where required, SMPs that will be used and/or constructed to reduce the *pollutants* in *stormwater discharges* and to assure compliance with the

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

requirements of this permit. In addition, the *SWPPP* must identify potential sources of pollution which may reasonably be expected to affect the quality of *stormwater discharges*.

4. All *SWPPPs*, that require the SMP component in accordance with Part III.B.2., must be prepared by a *qualified professional*.

5. The *owner or operator* must keep the *SWPPP* current so that, at all times, it accurately documents the erosion and sediment control practices that are being used or will be used during construction, and all SMPs that will be constructed on the site. At a minimum, the *owner or operator* must modify the *SWPPP*, including construction drawings:

   a. whenever the current provisions prove to be ineffective in *minimizing pollutants* in *stormwater discharges* from the site; and

   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*; and

   c. to address issues or deficiencies identified during an inspection by the *qualified inspector,* NYSDEC, or other regulatory authority; and

   d. to document the final construction conditions in an as-built drawing.

6. NYSDEC 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 must 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 NYSDEC, the *owner or operator* must make the required changes to the *SWPPP* and submit written notification to NYSDEC that the changes have been made. If the *owner or operator* does not respond to NYSDEC's comments in the specified time frame, NYSDEC 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.

7. 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

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

contractor(s) and subcontractor(s) that will be responsible for constructing the SMPs included in the *SWPPP*. The *owner or operator* must have each of the contractors and subcontractors identify at least one person from their company to be *trained contractor* that will be responsible for implementation of the *SWPPP*. The *owner or operator* must ensure that at least one *trained contractor* is on site daily when soil disturbance activities are being performed.

The *owner or operator* must have each of the contractors and subcontractors identified above sign a copy of the following certification statement below before the *commencement of construction activities*:

> "I hereby certify under penalty of law that I understand and agree to comply with the requirements 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 the requirements of the most current version of the New York State Pollutant Discharge Elimination System (SPDES) Construction General Permit (CGP) 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*. 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* must 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 the *commencement of construction activities*, they must also sign the certification statement and provide the information listed above prior to performing *construction activities*.

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

B. Required *SWPPP* Contents

1. Erosion and sediment control component - The *owner or operator* must prepare a *SWPPP* that includes erosion and sediment control practices.

    a. Erosion and sediment control practices must be designed:

        i. in conformance with the BB; or

        ii. *equivalent* to the BB if deviating from Part III.B.1.a.i.

    b. If the erosion and sediment control practices are designed in conformance with Part III.B.1.a.ii., the *SWPPP* must include a demonstration of *equivalence* to the BB.

    c. At a minimum, the erosion and sediment control component of the *SWPPP* must include the following:

        i. Background information about the scope of the project, including the location, type and size of project; and

        ii. A site map/construction drawing(s) with north arrows for the project, including a general location map. At a minimum, the site map must 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) and receiving surface water(s); and

        iii. A description of the soil(s) present at the site, including an identification of the Hydrologic Soil Group (HSG); and

        iv. A phasing plan for the project and sequencing plans for all *phases*, both of which must address clearing and grubbing, excavation and grading, utility and infrastructure installation, *final stabilization*,

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

and any other *construction activity* at the site that will result in soil disturbance.

1. The phasing plan must include:

    a. a map delineating and labeling the limits of soil disturbance for all *phases* of a project; and

    b. a table identifying the order and intended schedule of when each *phase* will begin and end its sequencing plan. The table must identify the total disturbed area for each *phase* at any one time and the total disturbed area for the overall project at any one time all on one timeline showing all overlapping quantities of disturbed area at any one time; and

2. A sequencing plan for a specific *phase* must include:

    a. a table indicating the order and intended schedule of *construction activities* within a *phase*, and corresponding construction drawings with a description of the work to be performed; and

    b. all permanent and *temporary stabilization* measures; and

v. 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; and

vi. A site map/construction drawing(s) showing the specific location(s), size(s), and length(s) of each erosion and sediment control practice; and

vii. 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

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

temporary sediment basins and structural practices that will be used to divert flows from exposed soils; and

viii. A maintenance inspection schedule for the contractor(s) and subcontractor(s) identified in Part III.A.7. to ensure continuous and effective operation of the erosion and sediment control practices. The maintenance inspection schedule must be in accordance with the requirements in the BB technical standard; and

ix. 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*; and

x. 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

xi. Identification of any elements of the design that are not in conformance with the design criteria in the BB technical standard. 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. SMP component – The *owner or operator* of *construction activity* identified in Table 2 of Appendix B must prepare a *SWPPP* that includes SMPs.

   a. SMPs must be designed in conformance with the applicable *sizing criteria* in Part II.C.2.a., c., or d.; and

   b. SMPs must be designed in conformance with the *performance criteria*:

      i. in the DM; or

      ii. *equivalent* to the DM if deviating from Part III.B.2.b.i.; or

      iii. in the New York State Stormwater Management Design Manual, dated January 2015 (2015 Design Manual), or *equivalent* to it, if the following criteria are met:

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

1. The eNOI is submitted in accordance with Part I.D. before January 29, 2027 for *construction activities* that are either:

    a. subject to governmental review and approval:

        i. where the *owner or operator* made any application to that governmental entity prior to the effective date of this permit; and

        ii. such application included a *SWPPP* developed using the 2015 Design Manual or *equivalent* to it; or

    b. not subject to governmental review and approval:

        i. where a fiscal allocation for the *construction activities* has been developed and approved by a governmental entity; and

        ii. the *SWPPP* was developed using the 2015 Design Manual or *equivalent* to it; and

c. If SMPs are designed in conformance with Part III.B.2.b.ii., the *SWPPP* must include the reason(s) for the deviation or alternative design and a demonstration of *equivalence* to the DM; and

d. If SMPs are designed in conformance with Part III.B.2.b.iii., the *SWPPP* must include supporting information or documentation demonstrating that Part III.B.2.b.iii.1.a. or b. apply; and

e. The SMP component of the *SWPPP* must include the following:

    i. Identification of all SMPs to be constructed as part of the project, including which option the SMP designs conform to, either Part III.B.2.b.i., ii., or iii. Include the dimensions, material specifications and installation details for each SMP; and

    ii. A site map/construction drawing(s) showing the specific location and size of each SMP; and

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

iii. 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; and

(ii) Map(s) showing post-development conditions, including watershed/subcatchments boundaries, flow paths/routing, design points and SMPs; and

(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; and

(iv) Summary table, with supporting calculations, which demonstrates that each SMP has been designed in conformance with the *sizing criteria* included in the DM; and

(v) Identification of any *sizing criteria* that is not required based on the requirements included in Part II.C.; and

(vi) Identification of any elements of the design that are not in conformance with the *performance criteria* in the DM. 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 DM.

iv. Soil testing results and locations (test pits, borings); and

v. Infiltration test results, when required in accordance with Part III.B.2.a.; and

vi. An operations and maintenance plan that includes inspection and maintenance schedules and actions to ensure continuous and effective operation of each SMP. The plan must identify the entity

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

that will be responsible for the long-term operation and maintenance of each practice; and

3. Enhanced Phosphorus Removal Standards - The *owner or operator* of *construction activity* identified in Table 2 of Appendix B that is located in a watershed identified in Appendix C must prepare a *SWPPP* that includes SMPs designed in conformance with the applicable *sizing criteria* in Part II.C.2.b., c., or d. and the *performance criteria* Enhanced Phosphorus Removal Standards included in the DM. At a minimum, the SMP component of the *SWPPP* must meet the requirements of Part III.B.2.

C. Required *SWPPP* Components by Project Type

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 accordance with Part III.B.1. *Owners or operators* of the *construction activities*, identified in Table 2 of Appendix B, must prepare a *SWPPP* that also includes SMPs designed in accordance with Part III.B.2 or 3.

For the entire area of disturbance, including the entire *common plan of development or sale* if applicable, the owner or operator must evaluate every bullet from Appendix B Table 1 and Table 2 separately. If bullets from both Table 1 and Table 2 apply, the *SWPPP* must include erosion and sediment control practices for all *construction activities* but SMPs for only those portions of the *construction activities* that fall under Table 2 bullet(s).

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 SMPs identified in the *SWPPP*, are inspected and maintained in accordance with Part IV.B. and C.

B. Contractor Maintenance Inspection Requirements

1. The *owner or operator* of each *construction activity*, identified in Tables 1 and 2 of Appendix B, must have a *trained contractor* inspect the erosion and sediment control practices and pollution prevention measures being

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

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 must:

a. if the corrective action does not require engineering design:

   i. begin implementing corrective actions within one business day; and

   ii. complete the corrective actions within five business days; or

b. if the corrective action requires engineering design:

   i. begin the engineering design process within five business days; and

   ii. complete the corrective action in a reasonable time frame but no later than within 60 calendar days.

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 in accordance with Part IV.B.1. The *trained contractor* must begin conducting the maintenance inspections in accordance with Part IV.B.1. 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 in accordance with Part IV.B.1. if all areas disturbed as of the project shutdown date have achieved *final stabilization* and all SMPs required for the completed portion of the project have been constructed in conformance with the *SWPPP* and are operational.

C. *Qualified Inspector* Inspection Requirements

1. With the exception of the following *construction activities* identified in Tables 1 and 2 of Appendix B, a *qualified inspector* must conduct site inspections for all other *construction activities* identified in Tables 1 and 2 of Appendix B:

   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 or equal to five (5) acres and is

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

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 D; and

b. the construction of a single-family home that involves soil disturbances of one (1) or more acres but less than or equal to 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 D; and

c. construction on *agricultural property* that involves soil disturbances of one (1) or more acres but less than five (5) acres; and

d. *construction activities* located in the New York City Watershed located east of the Hudson River, see Appendix C Figure 1, that involve soil disturbances of 5,000 square feet or more, but less than one acre.

2. The *qualified inspector* must conduct site inspections in accordance with the following timetable:

a. For *construction sites* where soil disturbance activities are on-going, the *qualified inspector* must conduct a site inspection at least once every seven (7) calendar days; or

b. For *construction sites* where soil disturbance activities are on-going and the *owner or operator* has received authorization in accordance with Part I.E.6. to disturb greater than five (5) acres of soil at any one time, the *qualified inspector* must conduct at least two (2) site inspections every seven (7) calendar days. The two (2) inspections must be separated by a minimum of two (2) full calendar days; or

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* must conduct a site inspection at least once every thirty (30) calendar days. The *owner or operator* must notify the DOW Water (SPDES) Program contact at the Regional Office (see contact information in Appendix E) or, in areas under the jurisdiction of a *Traditional Land Use Control MS4 Operator,* the *Traditional Land Use Control MS4 Operator* (provided the *Traditional Land Use Control MS4 Operator* is not the *owner or operator* of the *construction activity*) by hard copy or email prior to reducing the inspections to this frequency and again by hard copy or email prior to re-commencing construction; or

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

d. For *construction sites* where soil disturbance activities have been shut down with partial project completion, the requirement to have the *qualified inspector* conduct inspections ceases if all areas disturbed as of the project shutdown date have achieved *final stabilization* and all SMPs required for the completed portion of the project have been constructed in conformance with the *SWPPP* and are operational. The *owner or operator* must notify the DOW Water (SPDES) Program contact at the Regional Office (see contact information in Appendix E) or, in areas subject to the review authority of *Traditional Land Use Control MS4 Operator(s)* in accordance with Part I.D.2.b.ii.1., the *Traditional Land Use Control MS4 Operator(s)* (provided the *Traditional Land Use Control MS4 Operator(s)* are not the *owners or operators* of the *construction activity*) in writing prior to the shutdown and again in writing prior to resuming *construction activity*. If soil disturbance activities are not resumed within 2 years from the date of shutdown, the *owner or operator* must terminate coverage by meeting the requirements of Part V; or

e. For *construction sites* involving soil disturbance of one (1) or more acres that *directly discharge* to one of the 303(d) segments listed in Appendix D or is located in one of the watersheds listed in Appendix C, the *qualified inspector* must conduct at least two (2) site inspections every seven (7) calendar days. The two (2) inspections must be separated by a minimum of two (2) full calendar days.

3. At a minimum, the *qualified inspector* must inspect:

   a. all erosion and sediment control practices and pollution prevention measures to ensure integrity and effectiveness; and

   b. all SMPs under construction to ensure that they are constructed in conformance with the *SWPPP*; and

   c. all areas of disturbance that have not achieved *final stabilization*; and

   d. all points of *discharge* to *surface waters of the State* located within, or immediately adjacent to, the property boundaries of the *construction site*; and

   e. all points of *discharge* from the *construction site*.

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

4. The *qualified inspector* must prepare an inspection report subsequent to each and every inspection. At a minimum, the inspection report must include and/or address all of the following, for all *construction activities* except those listed in Part IV.C.1.:

   a. Permit identification number; and

   b. Date and time of inspection; and

   c. Name and title of person(s) performing inspection; and

   d. A description of the weather and soil conditions (e.g. dry, wet, saturated) at the time of the inspection, including the temperature at the time of the inspection; and

   e. A description of the condition of the runoff at all points of *discharge* from the *construction site*. This must 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; and

   f. A description of the condition of all *surface waters of the State* located within, or immediately adjacent to, the property boundaries of the *construction site* which receive runoff from disturbed areas. This must include identification of any *discharges* of sediment to the *surface waters of the State*; and

   g. Identification of all erosion and sediment control practices and pollution prevention measures that need repair or maintenance; and

   h. 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; and

   i. Description and sketch (map) 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; and

   j. Estimates, in square feet or acres, of the following areas:

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

i. Total area with active soil disturbance (not requiring either *temporary stabilization* or *final stabilization*); and

ii. Total area with inactive soil disturbance (requiring either *temporary stabilization* or *final stabilization*); and

iii. Total area that has achieved *temporary stabilization*; and

iv. Total area that has achieved *final stabilization*; and

k. Current stage of construction of all SMPs and identification of all *construction activity* on site that is not in conformance with the *SWPPP* and technical standards; and

l. 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 SMP(s); and

m. Identification and status of all corrective actions that were required by previous inspection; and

n. Digital photographs, with date stamp, that clearly show the condition of all practices that have been identified as needing corrective actions. The *qualified inspector* must attach 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* must 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* must 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* must notify the *owner or operator*, and appropriate contractor or subcontractor identified in Part III.A.7., of any corrective actions that need to be taken. The contractor or subcontractor must:

a. if the corrective action does not require engineering design:

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

i. begin implementing corrective actions within one business day; and

ii. complete the corrective actions within five business days; or

b. if the corrective action requires engineering design:

i. begin the engineering design process within five business days; and

ii. complete the corrective action in a reasonable time frame but no later than within 60 calendar days.

6. All inspection reports must be signed by the *qualified inspector.* In accordance with Part I.E.3., the inspection reports must be maintained on site with the *SWPPP*.

Part V. How to Terminate CGP Coverage

A. Electronic Notice of Termination (eNOT) Submittal

The eNOT contains questions to ensure requirements in Part V.A. have been met.

1. An *owner or operator* must terminate coverage when one or more of the following requirements have been met:

a. Total project completion:

i. all *construction activity* identified in the *SWPPP* has been completed; and

ii. all areas of disturbance have achieved *final stabilization*; and

iii. all temporary, structural erosion and sediment control measures have been removed; and

iv. all SMPs have been constructed in conformance with the *SWPPP* and are operational; and

v. an as-built drawing has been prepared; or

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

b. Planned shutdown with partial project completion:

   i. all soil disturbance activities have ceased; and

   ii. all areas disturbed as of the project shutdown date have achieved *final stabilization*; and

   iii. all temporary, structural erosion and sediment control measures have been removed; and

   iv. all SMPs required for the completed portion of the project have been constructed in conformance with the *SWPPP* and are operational; and

   v. an as-built drawing has been prepared; or

c. In accordance with Part I.G. Change of Owner or Operator; or

d. The *owner or operator* has obtained coverage under an alternative general SPDES permit or an individual SPDES permit.

2. For *construction activities* that require *qualified inspector* inspections in accordance with Part IV.C.1. and have met Part V.A.1.a. or b., the *owner or operator* must have the *qualified inspector* perform a final site inspection prior to submitting the eNOT. The *qualified inspector* must, by signing the "Final Stabilization" and "Post-Construction Stormwater Management Practice(s)" certification statements on the eNOT, certify that all the requirements in Part V.A.1.a. or b. have been achieved.

3. For *construction activities* that are subject to the review authority of *Traditional Land Use Control MS4 Operator(s)* in accordance with Part I.D.2.b.ii.1. and meet Part V.A.1.a. or b., the *owner or operator* must have the *Traditional Land Use Control MS4 Operator(s)* sign the "MS4 Acceptance" statement on the eNOT in accordance with the requirements in Part VII.J. A *Traditional Land Use Control MS4 Operator* official, by signing this statement, determined that it is acceptable for the *owner or operator* to submit the eNOT in accordance with the requirements of this Part. A *Traditional Land Use Control MS4 Operator* can make this determination by performing a final site inspection themselves or by accepting the *qualified inspector*'s final site inspection certification(s) when required in Part V.A.2.

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

4. For *construction activities* that require SMPs and meet Part V.A.1.a. or b., the *owner or operator* must, prior to submitting the eNOT, ensure one of the following:

    a. for SMP(s) that were constructed by a private entity, but will be owned, operated, and maintained by a public entity, the SMP(s) and any right-of-way(s) needed to operate and maintain such practice(s) have been deeded to the municipality in which the practice(s) is located; or

    b. for SMP(s) that are privately owned, but will be operated and maintained by a public entity, an executed operation and maintenance agreement is in place with the municipality that will operate and maintain the SMP(s); or

    c. for SMP(s) 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; or

    d. for SMP(s) 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 policies and procedures in place that ensure operation and maintenance of the practices in accordance with the operation and maintenance plan.

5. An *owner or operator* that has met the requirements of Part V.A.1., 2., 3., and 4. must request termination of coverage under this permit by submitting a complete Notice of Termination form electronically using a NYSDEC approved form.[5]

    a. The owner's or operator's coverage is terminated as of the termination date indicated in the Letter of Termination (LOT), which is sent by NYSDEC after a complete eNOT is submitted.

[5] Unless NYSDEC grants a waiver in accordance with 40 CFR 127.15(c) or (d). All waiver requests must be submitted to Stormwater_info@dec.ny.gov or NYSDEC, Bureau of Water Permits, 625 Broadway, 4th Floor, Albany, New York 12233-3505.

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

Part VI. Record Retention and Reporting

A. Record Retention

The *owner or operator* must retain a copy of the documents listed in Part I.E.3. and a copy of the LOT for a period of at least five years from the date that NYSDEC accepts a complete NOT submitted in accordance with Part V.

B. Reporting

Except for the eNOI, the signature forms associated with the eNOI, and the eNOT, all other written correspondence requested by NYSDEC, including individual permit applications, must be sent to the address of the appropriate DOW (SPDES) Program contact at the Regional Office listed in Appendix E.

Part VII. Standard Permit Requirements

For the purposes of this permit, examples of contractors and subcontractors include: third-party maintenance and construction contractors.

A. Duty to Comply

The *owner or operator*, and all contractors or subcontractors, must comply with all requirements of this permit. Any non-compliance with the requirements of this permit constitutes a violation of the New York State Environmental Conservation Law (ECL), and its implementing regulations, and is grounds for enforcement action. Filing of a request for termination of coverage under this permit, or a notification of planned changes or anticipated non-compliance, does not limit, diminish or stay compliance with any requirements of this permit.

B. Need to Halt or Reduce Activity Not a Defense

The necessity to halt or reduce the *construction activity* regulated by this permit, in order to maintain compliance with the requirements of this permit, must not be a defense in an enforcement action.

C. Penalties

There are substantial criminal, civil, and administrative penalties associated with violating the requirements of this permit. Fines of up to $37,500 per day for each

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

violation and imprisonment for up to 15 years may be assessed depending upon the nature and degree of the offense.

D. False Statements

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 monitoring reports or reports of compliance or noncompliance must, upon conviction, be punished in accordance with ECL §71-1933 and or New York State Penal Law Articles 175 and 210.

E. Re-Opener Clause

Upon issuance of this permit, a determination has been made on the basis of a submitted Notice of Intent, plans, or other available information, that compliance with the specified permit requirements will reasonably protect classified water use and assure compliance with applicable *water quality standards*. Satisfaction of the requirements of this permit notwithstanding, if operation pursuant to this permit causes or contributes to a condition in contravention of State *water quality standards* or guidance values, or if NYSDEC determines that a modification is necessary to prevent impairment of the best use of the waters or to assure maintenance of *water quality standards* or compliance with other provisions of ECL Article 17 or the Clean Water Act (CWA), or any regulations adopted pursuant thereto, NYSDEC may require such modification and the Commissioner may require abatement action to be taken by the *owner or operator* and may also prohibit such operation until the modification has been implemented.

F. Duty to Mitigate

The *owner or operator*, and its contractors and subcontractors, must 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.

G. Requiring Another General Permit or Individual SPDES Permit

NYSDEC may require any *owner or operator* authorized to *discharge* in accordance with this permit to apply for and obtain an individual SPDES permit or apply for authorization to *discharge* in accordance with another general SPDES permit.

1. Cases where an individual SPDES permit or authorization to discharge in accordance with another general SPDES permit may be required include, but is not limited to the following:

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

a. the *owner or operator* is not in compliance with the conditions of this permit or does not meet the requirements for coverage under this permit; and

b. a change has occurred in the availability of demonstrated technology or practices for the control or abatement of *pollutants* applicable to the *point source*; and

c. new effluent limitation guidelines or new source performance standards are promulgated that are applicable to *point sources* authorized to *discharge* in accordance with this permit; and

d. existing effluent limitation guidelines or new source performance standards that are applicable to *point sources* authorized to *discharge* in accordance with this permit are modified; and

e. a water quality management plan containing requirements applicable to such *point sources* is approved by NYSDEC; and

f. circumstances have changed since the time of the request to be covered so that the *owner or operator* is no longer appropriately controlled under this permit, or either a temporary or permanent reduction or elimination of the authorized *discharge* is necessary; and

g. the *discharge* is in violation of section 17-0501 of the ECL; and

h. the *discharge(s)* is a significant contributor of *pollutants*. In making this determination, NYSDEC may consider the following factors:

    i. the location of the *discharge(s)* with respect to *surface waters of the State*; and

    ii. the size of the *discharge(s)*; and

    iii. the quantity and nature of the *pollutants discharged* to *surface waters of the State*; and

    iv. other relevant factors including compliance with other provisions of ECL Article 17, or the CWA.

2. When NYSDEC requires any *owner or operator* authorized by this permit to apply for an individual SPDES permit as provided for in this subdivision, it must notify the *owner or operator* in writing that a permit application is required. This notice must include a brief statement of the reasons for this decision, an application

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

form, a statement setting a time for the *owner or operator* to file the application for an individual SPDES permit, and a deadline, not sooner than 180 days from the *owner's or operator's* receipt of the notification letter, whereby the authorization to *discharge* under this permit must be terminated. NYSDEC may grant additional time upon demonstration, to the satisfaction of the RWE,[6] that additional time to apply for an alternative authorization is necessary or where NYSDEC has not provided a permit determination in accordance with 6 NYCRR Part 621.

3. When an individual SPDES permit is issued to an *owner or operator* authorized to *discharge* under this permit for the same *discharge(s)*, this permit authorization for *construction activities* authorized under the individual SPDES permit is automatically terminated on the effective date of the individual SPDES permit unless termination is earlier in accordance with 6 NYCRR Part 750.

H. Duty to Provide Information

The *owner or operator* must furnish to NYSDEC, within five business days, unless otherwise set forth by NYSDEC, any information that NYSDEC may request to determine whether cause exists to determine compliance with this permit or to determine whether cause exists for requiring an individual SPDES permit in accordance with 6 NYCRR 750-1.21(e) (see Part VII.G. Requiring Another General Permit or Individual Permit).

The *owner or operator* must make available to NYSDEC, for inspection and copying, or furnish to NYSDEC within 25 business days of receipt of a NYSDEC request for such information, any information retained in accordance with this permit.

Except for Part I.D.4. and 5. and Part I.G., the following applies: where the *owner or operator* becomes aware that it failed to submit any relevant facts on the Notice of Intent, or submitted incorrect information in a Notice of Intent or in any report to NYSDEC, the *owner or operator* must submit such facts or corrected information to NYSDEC within five business days.

I. Extension

In the event a new permit is not issued and effective prior to the expiration of this permit, and this permit is extended pursuant to the State Administrative Procedure Act and 6 NYCRR Part 621, then the *owner or operator* with coverage under this permit may continue to operate and *discharge* in accordance with the requirements of this permit until a new permit is issued and effective.

[6] The Regional Water Manager where a DEC Region does not have a RWE.

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

J. Signatories and Certification

The Notice of Intent, Notice of Termination, and reports required by this permit must be signed as provided in 40 CFR §122.22.

1. All Notices of Intent and Notices of Termination must be signed as follows:

   a. For a corporation. By a responsible corporate officer. For the purpose of this section, a responsible corporate officer means:

      (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 Notice of Intent or Notice of Termination requirements; and where authority to sign documents has been assigned or delegated to the manager in accordance with corporate procedures.

      Note: NYSDEC does not require specific assignments or delegations of authority to responsible corporate officers identified in 40 CFR §122.22(a)(1)(i). NYSDEC will presume that these responsible corporate officers have the requisite authority to sign the Notice of Intent or Notice of Termination unless the corporation has notified NYSDEC to the contrary. Corporate procedures governing authority to sign a Notice of Intent or Notice of Termination may provide for assignment or delegation to applicable corporate positions under 40 CFR §122.22(a)(1)(ii) rather than to specific individuals.

   b. For a partnership or sole proprietorship. By a general partner or the proprietor, respectively.

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

c. For a municipality, State, Federal, or other public agency. By either a principal executive officer or ranking elected official. For purposes of this section, a principal executive officer of a Federal agency includes:

   1. the chief executive officer of the agency; or

   2. 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. All reports required by this permit, and other information requested by NYSDEC, must be signed by a person described in Part VII.J.1., 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.J.1. or using the Duly Authorized Form, found on the DEC website; and

   b. The authorization specifies either an individual or a position having responsibility for the overall operation of the regulated facility or activity, 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 is submitted to NYSDEC.

3. Changes to authorization. If an authorization under Part VII.J.2. is no longer accurate because a different individual or position has responsibility for the overall operation of the *construction activity*, a new authorization satisfying the requirements of Part VII.J.2. must be submitted to NYSDEC prior to or together with any reports, information, or applications to be signed by an authorized representative.

4. Certification. Any person signing a document under Part VII.J.1. or 2. must make the following 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 gather and evaluate the information submitted. Based on my inquiry of the person or persons who

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

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 there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

5. Electronic reporting. If documents described in Part VII.J.1. or 2. are submitted electronically by or on behalf of the *construction activity* with coverage under this permit, any person providing the electronic signature for such documents must meet all relevant requirements of this section, and must ensure that all of the relevant requirements of 40 CFR Part 3 (including, in all cases, subpart D to Part 3) (Cross-Media Electronic Reporting) and 40 CFR Part 127 (NPDES Electronic Reporting Requirements) are met for that submission.

K. Inspection and Entry

The *owner or operator* must allow NYSDEC, the USEPA Regional Administrator, the applicable county health department, or any authorized representatives of those entities, 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 requirements of this permit; and

2. have access to and copy at reasonable times, any records that must be kept under the requirements of this permit, including records required to be maintained for purposes of operation and maintenance; and

3. inspect at reasonable times any facilities, equipment (including monitoring and control equipment), practices or operations regulated or required under this permit; and

4. sample or monitor at reasonable times, for the purposes of assuring general SPDES permit compliance or as otherwise authorized by the CWA or ECL, any substances or parameters at any location; and

5. enter upon the property of any contributor to the regulated facility or activity under authority of the *owner or operator*.

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

L. Confidentiality of Information

The following must not be held confidential: this permit, the fact sheet for this permit, the name and address of any *owner or operator*, effluent data, the Notice of Intent, and information regarding the need to obtain an individual permit or an alternative general SPDES permit. This includes information submitted on forms themselves and any attachments used to supply information required by the forms (except information submitted on usage of substances). Upon the request of the *owner or operator*, NYSDEC must make determinations of confidentiality in accordance with 6 NYCRR Part 616, except as set forth in the previous sentence. Any information accorded confidential status must be disclosed to the Regional Administrator upon his or her written request. Prior to disclosing such information to the Regional Administrator, NYSDEC will notify the Regional Administrator of the confidential status of such information.

M. Other Permits May Be Required

Nothing in this permit relieves the *owner or operator* from a requirement to obtain any other permits required by law.

N. NYSDEC Orders or Civil Decrees/Judgments

The issuance of this permit by the NYSDEC, and the coverage under this permit by the *owner or operator*, does not supersede, revoke, or rescind any existing order on consent or civil Decree/Judgment, or modification to any such documents or to any order issued by the Commissioner, or any of the terms, conditions, or requirements contained in such order or modification therefore, unless expressly noted.

O. Property Rights

Coverage under this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State, or local laws or regulations, nor does it obviate the necessity of obtaining the assent of any other jurisdiction as required by law for the *discharge* authorized.

P. Compliance with Interstate Standards

If the *construction activity* covered by this permit originates within the jurisdiction of an interstate water pollution control agency, then the *construction activity* must also comply with any applicable effluent standards or *water quality standards* promulgated by that interstate agency and as set forth in this permit for such *construction activities*.

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

Q. Oil and Hazardous Substance Liability

Coverage under this permit does not affect the imposition of responsibilities upon, or the institution of any legal action against, the *owner or operator* under section 311 of the CWA, which must be in conformance with regulations promulgated pursuant to section 311 governing the applicability of section 311 of the CWA to *discharges* from facilities with *NPDES* permits, nor must such issuance preclude the institution of any legal action or relieve the *owner or operator* from any responsibilities, liabilities, or penalties to which the *owner or operator* is or may be subject pursuant to the Comprehensive Environmental Response, Compensation and Liability Act of 1980, 42 U.S.C. section 9601 et seq. (CERCLA).

R. 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, must not be affected thereby.

S. NYSDEC Approved Forms

The *owner or operator* must provide all relevant information that is requested by NYSDEC, and required by this permit, on all NYSDEC approved forms.

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

APPENDIX A – Abbreviations and Definitions

Abbreviations

APO – Agency Preservation Officer
BB – New York State Standards and Specifications for Erosion and Sediment Control (Blue Book), dated November 2016
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)
DM – New York State Stormwater Management Design Manual (Design Manual), dated July 31, 2024
DOW – Division of Water
EAF – Environmental Assessment Form
ECL – chapter 43-B of the Consolidated Laws of the State of New York, entitled the 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
NYC – The City of New York
NYCDEP – The City of New York Department of Environmental Protection
NYSDEC – The New York State Department of Environmental Conservation
OPRHP – Office of Parks, Recreation and Historic Places
Qf – Extreme Flood
Qp – Overbank Flood
RR – Runoff Reduction
RRv – Runoff Reduction Volume
RWE – Regional Water Engineer
SEQR – State Environmental Quality Review Act
SHPA – State Historic Preservation Act
SMP – Post-Construction Stormwater Management Practice
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: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

Appendix A

Definitions

All definitions in this section are solely for the purposes of this permit. If a word is not italicized in the permit, use its common definition.

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 – the land for construction of a barn, *agricultural building*, silo, stockyard, pen or other structural practices identified in Table II in the "Agricultural Best Management Practice Systems Catalogue" (dated June 2023).

Alter Hydrology from Pre- to Post-Development Conditions – 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 System – a sewer system which conveys sewage and *stormwater* through a single pipe system to a publicly owned treatment works.

Commence (Commencement of) Construction Activities – 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.

Common Plan of Development or Sale – a contiguous area where multiple separate and distinct *construction activities* are occurring, or may occur, under one plan. The "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 (SEQR) environmental assessment form or other documents, zoning request, computer design, etc.) or physical demarcation (including boundary signs, lot stakes, surveyor markings, etc.) indicating *construction activities* may occur on a specific plot. A *common plan of development or sale* is comprised of two or more *phases*.

Common plan of development or sale does not include separate and distinct *construction activities* that are occurring, or may occur, under one plan that are at least 1/4 mile apart provided any interconnecting road, pipeline or utility project that is part of the same "common plan" is not concurrently being disturbed.

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

Construction Activity(ies) – identified within 40 CFR 122.26(b)(14)(x), 122.26(b)(15)(i), and 122.26(b)(15)(ii), any clearing, grading, excavation, filling, demolition or stockpiling activities that result in soil disturbance. Clearing activities can include, but are not limited to, mechanized 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, which is excluded from the calculation of the soil disturbance for a project. Routine maintenance includes, but is not limited to:

- Re-grading of gravel roads or parking lots; and
- Cleaning and shaping of existing roadside ditches and culverts that maintains the approximate original line and grade, and maintains or improves the hydraulic capacity of the ditch; and
- Replacement of existing culverts that maintains the approximate original line and grade, and maintains or improves the hydraulic capacity of a ditch; and
- Replacement of existing bridges that maintains the approximate original line and grade, and maintains or improves the hydraulic capacity beneath the bridges; and
- 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); and
- Placement of aggregate shoulder backing that stabilizes the transition between the road shoulder and the ditch or *embankment*; and
- 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; and
- Long-term use of equipment storage areas at or near highway maintenance facilities; and
- 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*; and
- Existing use of Canal Corp owned upland disposal sites for the canal, and
- Replacement of curbs, gutters, sidewalks and guide rail posts; and
- Maintenance of ski trails including brush hog use and mowing; and
- Above ground snowmaking pipe replacement; and
- Replacement of existing utility poles; etc.

Construction Site – the land area where *construction activity(ies)* will occur. See also the definitions for "*Commence (Commencement of) Construction Activities"* and "*Common Plan of Development or Sale."*

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

Dewatering – the act of draining rainwater and/or groundwater from building foundations, vaults or excavations/trenches.

Directly Discharge(s)(ing) (to a specific surface waterbody) – 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 and the first point of *discharge* from the separate storm sewer system is the specific surface waterbody.

Discharge(s)(d) – any addition of any *pollutant* to waters of the State through an outlet or *point source*.

Embankment – an earthen or rock slope that supports a road/highway.

Equivalent (Equivalence) – 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 – 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.

Historic Property – 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) – all impermeable surfaces that cannot effectively infiltrate rainfall. This includes paved, concrete and compacted gravel surfaces (i.e. parking lots, driveways, roads, runways and sidewalks); building rooftops and miscellaneous impermeable structures such as patios, pools, and sheds.

Infeasible – not technologically possible, or not economically practicable and achievable considering best industry practices.

Minimize(ing)(ation) – 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 System (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):

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

1. owned or operated by a State, city, town, village, 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*; and

2. designed or used for collecting or conveying *stormwater*; and

3. which is not a *combined sewer system*; and

4. which is not part of a Publicly Owned Treatment Works (POTW) as defined at 40 CFR 122.2.

Natural Buffer(s) – an undisturbed area with natural cover running along a surface water (e.g. wetland, stream, river, lake, etc.).

New Development – any land disturbance that does not meet the definition of *Redevelopment Activity* included in this appendix.

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.

Nonpoint Source(s) – 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 – flow events that exceed the capacity of the stream channel and spill out into the adjacent floodplain.

Owner or Operator – 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 requirements.

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

Performance Criteria – the six performance criteria for each group of SMPs in Chapters 5 and 6 of the technical standard, New York State Stormwater Management Design Manual (DM), dated July 31, 2024. These include feasibility, conveyance, pretreatment, treatment, landscaping, and maintenance. It does not include the *Sizing Criteria* (i.e. WQv, RRv, CPv, Qp and Qf) in Part I.C.2. of the permit.

Phase – a defined area in which *construction activities* are occurring or will occur separate from other defined area(s).

Point Source – 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(s) – 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.

Qualified Inspector – 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 NYSDEC 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 NYSDEC endorsed training in proper erosion and sediment control principles from a Soil and Water Conservation District, or other NYSDEC 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 SMPs that include structural components, such as a dam for an impoundment, shall be performed by a licensed Professional Engineer.

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

Qualified Professional – 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 NYSDEC endorsed individual(s). Individuals preparing *SWPPPs* that require the SMP 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) – 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.).

Renewable Energy – electricity or thermal energy generated by renewable energy systems through use of the following technologies: solar thermal, photovoltaics, on land and offshore wind, hydroelectric, geothermal electric, geothermal ground source heat, tidal energy, wave energy, ocean thermal, and fuel cells which do not utilize a fossil fuel resource in the process of generating electricity.

Site Limitations – 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 – the criteria included in Part I.C.2 of the permit that are used to size SMPs. The criteria include; Water Quality Volume (WQv), Runoff Reduction Volume (RRv), Channel Protection Volume (Cpv), *Overbank* Flood (Qp), and Extreme Flood (Qf).

Steep Slope – land area designated on the current United States Department of Agriculture (USDA) Soil Survey as Soil Slope Phase D, (provided the map unit name or description 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.

Stormwater – that portion of precipitation that, once having fallen to the ground, is in excess of the evaporative or infiltrative capacity of soils, or the retentive capacity of surface features, which flows or will flow off the land by surface runoff to waters of the State.

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

Streambank – 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) – 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 SMPs); and identifies procedures the *owner or operator* will implement to comply with the requirements 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 – an existing disturbed area will not be disturbed again within 14 calendar days of the previous soil disturbance.

Temporary Stabilization – 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 Load (TMDL) **–** 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 and still meet *water quality standards*, and an allocation of that amount to the *pollutant's* sources. A TMDL stipulates Waste Load Allocations (WLA) for *point source discharges*, Load Allocations (LA) for *nonpoint source*s, and a margin of safety (MOS).

Traditional Land Use Control MS4 Operator – a city, town, or village with land use control authority that is authorized to *discharge* under New York State DEC's 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).

Trained Contractor – an employee from the contracting (construction) company, identified in Part III.A.7., that has received four (4) hours of NYSDEC endorsed training

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

in proper erosion and sediment control principles from a Soil and Water Conservation District, or other NYSDEC 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.7., 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 NYSDEC endorsed training in proper erosion and sediment control principles from a Soil and Water Conservation District, or other NYSDEC endorsed entity).

The *trained contractor* is responsible for the day-to-day implementation of the *SWPPP*.

Tree Clearing – *construction activities* limited to felling and removal of trees.

Tree clearing does not include hand felling and leaving the trees in place with no support from mechanized equipment, which is not considered *construction activity* requiring coverage under this permit.

Water Quality Standard – 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: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

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 and not *directly discharging* to one of the 303(d) segments listed in Appendix D • 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 D • Construction of a barn or other *agricultural building*, silo, stock yard or pen. • Structural agricultural conservation practices as identified in Table II in the "Agricultural Best Management Practice Systems Catalogue" (dated June 2023) that include construction or reconstruction of *impervious area* or *alter hydrology from pre- to post-development* conditions.
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 New York City Watershed located east of the Hudson River, see Appendix C Figure 1, that involve soil disturbances between five thousand (5,000) square feet and one (1) acre of land.
Within the municipal boundaries of NYC: • Stand-alone road reconstruction, where the total soil disturbance from only that road construction, is less than one (1) acre of land.
The following *construction activities*: • 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, *stormwater* retrofits, stream restoration, and resiliency projects that reconstruct shoreline areas to address sea level rise • Pond construction • Linear bike paths running through areas with vegetative cover, including bike paths surfaced with an *impervious cover* • Cross-country ski trails, walking/hiking trails, and mountain biking trails, including a de minimis parking lot (maximum 10 spaces total, sized for passenger cars) with 35 feet minimum preservation of undisturbed area downgradient from the parking lot • Dam rehabilitation (the structure of the dam itself) • Sidewalks, bike paths, or walking paths, surfaced with an *impervious cover*, that are not part of residential, commercial, or institutional development; • Sidewalks, bike paths, or walking paths, 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.

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

Appendix B

Table 1 (Continued)
CONSTRUCTION ACTIVITIES THAT REQUIRE THE PREPARATION OF A *SWPPP* THAT ONLY INCLUDES EROSION AND SEDIMENT CONTROLS

The following *construction activities*:

- Slope stabilization
- Slope flattening that changes the grade of the site, but does not significantly change the runoff characteristics
- Spoil areas that will be covered with vegetation
- Vegetated open space (i.e. recreational parks, lawns, meadows, fields, downhill ski trails) that do not *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 where vegetation will be established, and no *redevelopment activity* is planned[1]
- Installation or replacement of either an overhead electric transmission line or a ski lift tower that does not include the construction of permanent access roads or parking areas surfaced with *impervious cover*.
- Solar array field areas that have tables elevated off the ground, spaced one table width apart, do not *alter hydrology from pre- to post-development conditions*, and address water quality volume and runoff reduction volume by maintaining sheet flow on slopes less than 8%.
- Structural agricultural conservation practices as identified in Table II in the "Agricultural Best Management Practice Systems Catalogue" (dated June 2023) that do not include construction or reconstruction of *impervious area* and do not *alter hydrology from pre- to post-development* conditions.
- 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 (in this context, "temporary" means the *impervious area* will be in place for two years or less)
- Other *construction activities* that do not include the construction or reconstruction of *impervious area*, and do not *alter hydrology from pre- to post-development* conditions, and are not listed in Table 2.

1. If the site is redeveloped in the future, a new eNOI must be submitted.

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

Appendix B

Table 2
CONSTRUCTION ACTIVITIES THAT REQUIRE THE PREPARATION OF A *SWPPP* THAT INCLUDES POST-CONSTRUCTION STORMWATER MANAGEMENT PRACTICES (SMPS)

The following *construction activities*:

- 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 D
- 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 D
- 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 between 20,000 square feet and one (1) acre of land within the municipal boundaries of NYC 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 *common plan of development or sale* that will ultimately disturb five (5) or more acres of land
- Multi-family residential developments; includes duplexes, townhomes, condominiums, senior housing complexes, apartment complexes, and mobile home parks
- Creation of 5,000 square feet or more of *impervious area* in the municipal boundaries of NYC
- 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) that involves soil disturbance greater than five acres.
- Structural agricultural conservation practices as identified in Table II in the “Agricultural Best Management Practice Systems Catalogue” (dated June 2023) that involves soil disturbance greater than five acres and include the construction or reconstruction of *impervious area* or *alter hydrology from pre- to post-development* conditions.
- Facility buildings, including ski lodges, restroom buildings, pumphouses, ski lift terminals, and maintenance and groomer garages
- Institutional development; includes hospitals, prisons, schools and colleges
- Industrial facilities; includes industrial parks
- Landfills; including creation of landfills or capping landfills.
- Municipal facilities; includes highway garages, transfer stations, office buildings, POTWs, water treatment plants, and water storage tanks
- Golf courses
- Office complexes

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

Appendix B

Table 2 (Continued)

CONSTRUCTION ACTIVITIES THAT REQUIRE THE PREPARATION OF A *SWPPP* THAT INCLUDES POST-CONSTRUCTION STORMWATER MANAGEMENT PRACTICES (SMPS)

The following *construction activities*:

- Permanent laydown yards and equipment storage lots
- Playgrounds that include the construction or reconstruction of *impervious area*
- Sports complexes
- Racetracks; includes racetracks with earthen (dirt) surfaces
- Road construction or reconstruction, outside the municipal boundaries of NYC
- Road construction within the municipal boundaries of NYC
- Stand-alone road reconstruction, within the municipal boundaries of NYC where the total soil disturbance from that road reconstruction involves soil disturbance of one (1) acre or more of land
- Parking lot construction or reconstruction (as with all Table 2 bullets, this includes parking lots constructed as part of the *construction activities* listed in Table 1, unless a Table 1 bullet specifies otherwise)
- 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 overhead electric transmission line, wind-power, cell tower, oil or gas well drilling, sewer or water main, ski lift, or other linear utility project
- Sidewalks, bike paths, or walking paths, surfaced with an *impervious cover*, that are part of a residential, commercial or institutional development
- Sidewalks, bike paths, or walking paths, surfaced with an *impervious cover*, that are part of highway construction or reconstruction
- Solar array field areas on slopes greater than 8% that cannot maintain sheet flow using management practices identified in the BB or the DM
- Solar array field areas on slopes less than 8% that will *alter the hydrology from pre- to post-development* conditions
- Solar array field areas with tables that are not elevated high enough to achieve *final stabilization* beneath the tables
- Traditional *impervious areas* associated with solar development (e.g. roads, buildings, transformers)
- Utility pads surfaced with *impervious cover*, including electric vehicle charging stations
- 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: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

APPENDIX C – Watersheds Requiring Enhanced Phosphorus Removal

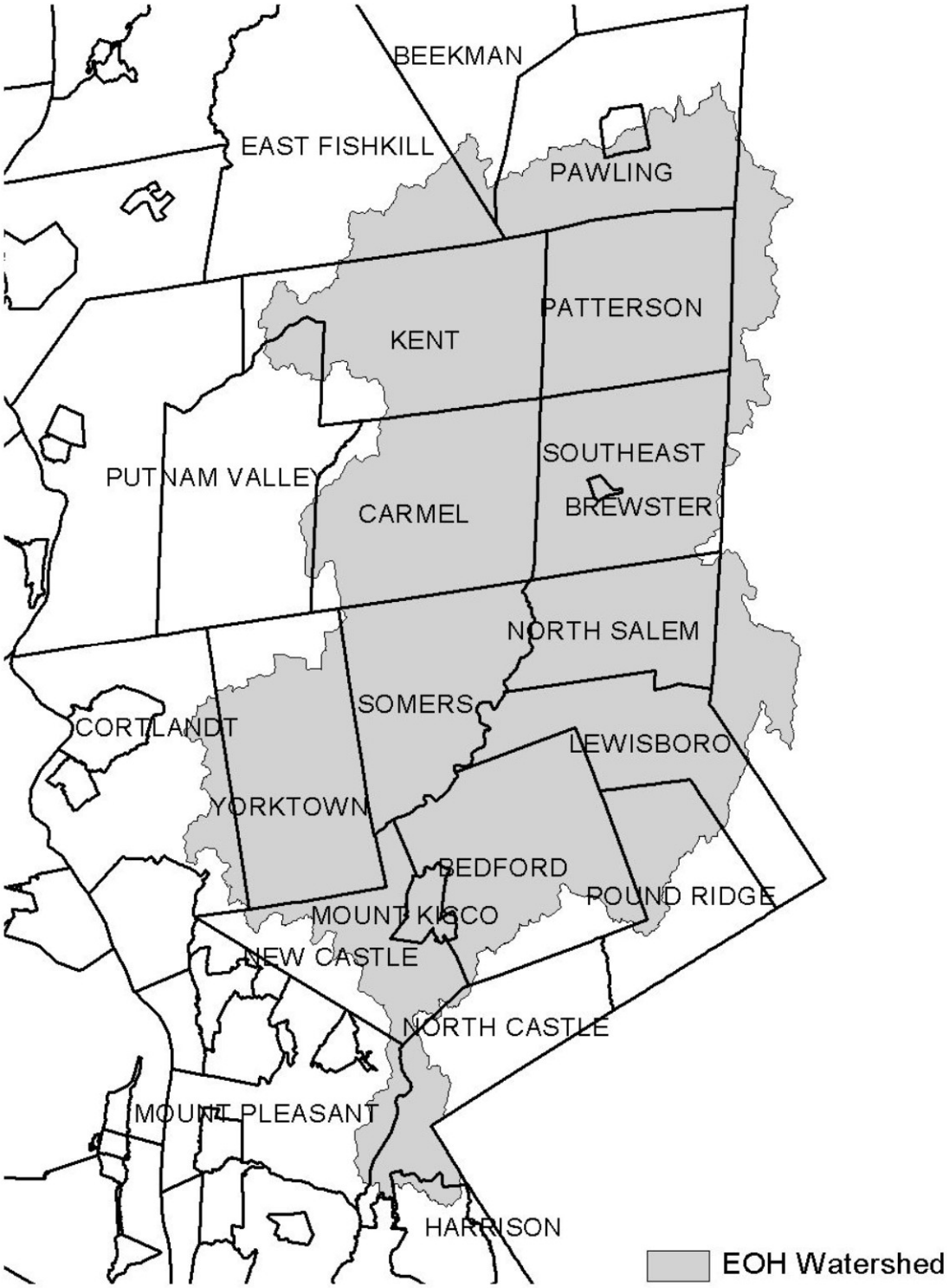
Watersheds where *owners or operators* of *construction activities* identified in Table 2 of Appendix B must prepare a *SWPPP* that includes SMPs designed in conformance with the Enhanced Phosphorus Removal Standards included in the DM technical standard.

- 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: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

Appendix C

Figure 1 - New York City Watershed East of the Hudson



Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

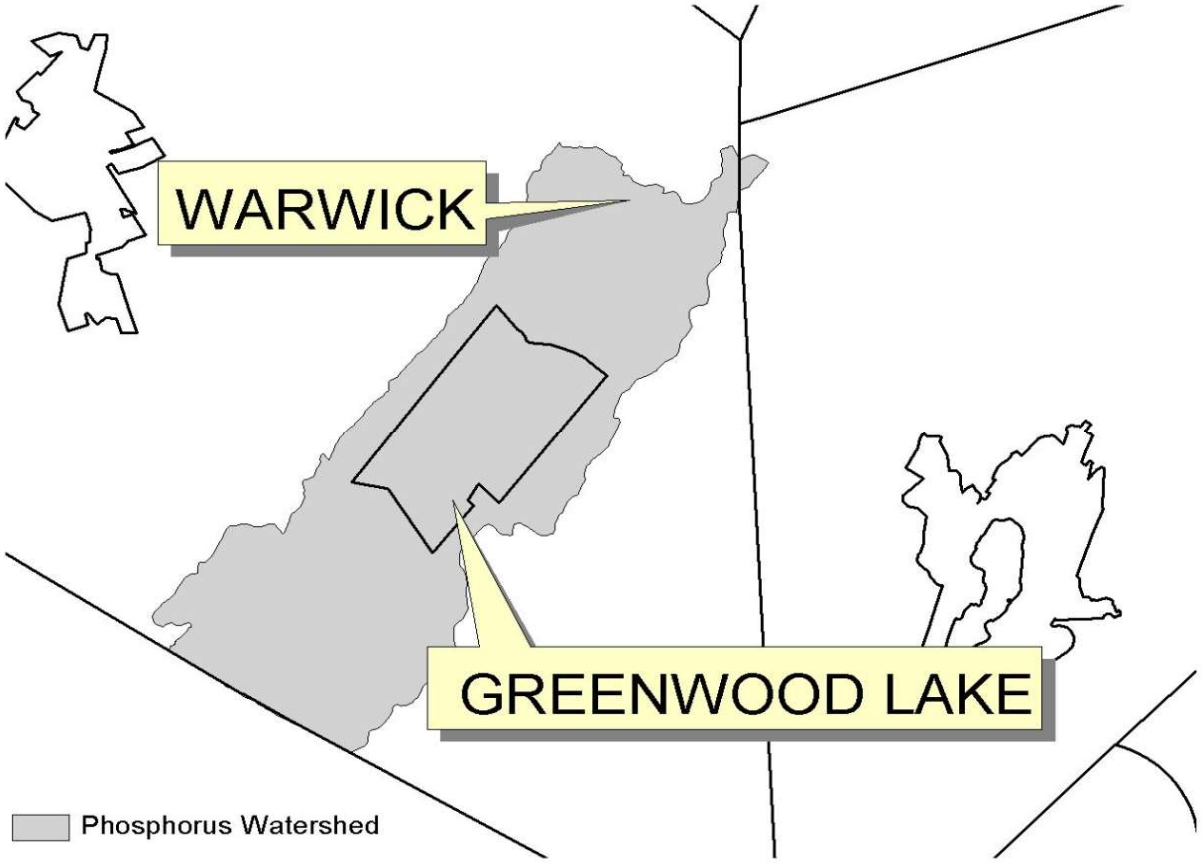
Appendix C

Figure 2 - Onondaga Lake Watershed

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

Appendix C

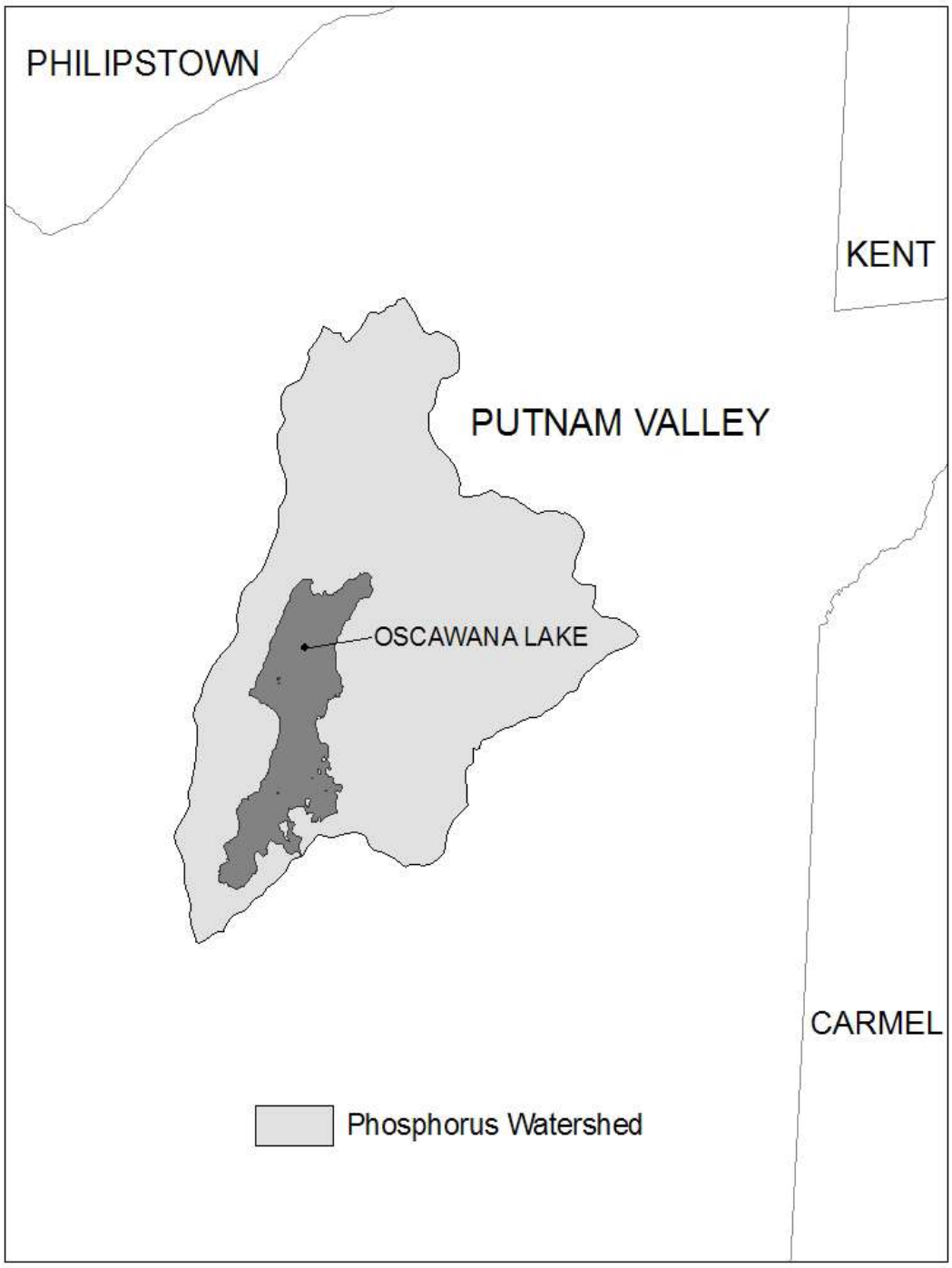
Figure 3 - Greenwood Lake Watershed



Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

Appendix C

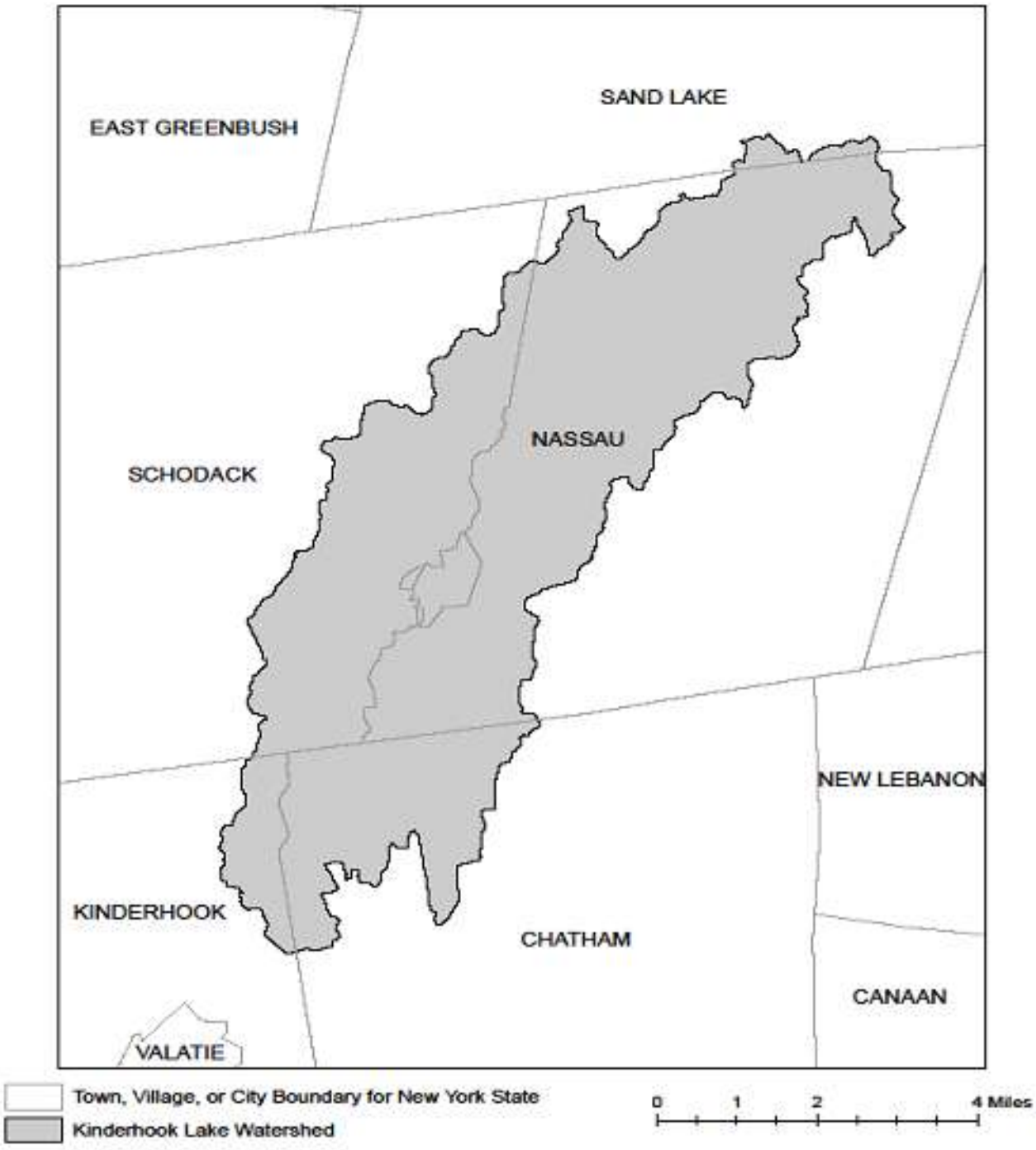
Figure 4 - Oscawana Lake Watershed



Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

Appendix C

Figure 5 - Kinderhook Lake Watershed



Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

APPENDIX D – Impaired Waterbodies (by Construction Related Pollutants)

List of waterbodies impaired by *pollutants* related to *construction activity*, including turbidity, silt/sediment, and nutrients (e.g. nitrogen, phosphorus). This list is a subset of "The Final New York State 2018 Section 303(d) List of Impaired Waters Requiring a TMDL" dated June 2020.

County	Waterbody	Pollutant
Albany	Ann Lee (Shakers) Pond, Stump Pond (1201-0096)	Phosphorus
Albany	Lawsons Lake (1301-0235)	Phosphorus
Allegany	Amity Lake, Saunders Pond (0403-0054)	Phosphorus
Allegany	Andover Pond (0403-0056)	Phosphorus
Bronx	Reservoir No.1/Lake Isle (1702-0075)	Phosphorus
Bronx	Van Cortlandt Lake (1702-0008)	Phosphorus
Broome	Blueberry, Laurel Lakes (1404-0033)	Phosphorus
Broome	Fly Pond, Deer Lake (1404-0038)	Phosphorus
Broome	Minor Tribs to Lower Susquehanna (0603-0044)	Phosphorus
Broome	Whitney Point Lake/Reservoir (0602-0004)	Phosphorus
Cattaraugus	Allegheny River/Reservoir (0201-0023)	Phosphorus
Cattaraugus	Beaver Lake/Alma Pond (0201-0073)	Phosphorus
Cattaraugus	Case Lake (0201-0020)	Phosphorus
Cattaraugus	Linlyco/Club Pond (0201-0035)	Phosphorus
Cayuga	Duck Lake (0704-0025)	Phosphorus
Cayuga	Owasco Inlet, Upper, and tribs (0706-0014)	Nutrients
Chautauqua	Chadakoin River and tribs (0202-0018)	Phosphorus
Chautauqua	Hulburt/Clymer Pond (0202-0079)	Phosphorus
Chautauqua	Middle Cassadaga Lake (0202-0002)	Phosphorus
Clinton	Great Chazy River, Lower, Main Stem (1002-0001)	Silt/Sediment
Columbia	Robinson Pond (1308-0003)	Phosphorus
Cortland	Dean Pond (0602-0077)	Phosphorus
Dutchess	Fallkill Creek (1301-0087)	Phosphorus
Dutchess	Hillside Lake (1304-0001)	Phosphorus
Dutchess	Wappingers Lake (1305-0001)	Phosphorus
Dutchess	Wappingers Lake (1305-0001)	Silt/Sediment
Erie	Beeman Creek and tribs (0102-0030)	Phosphorus
Erie	Delaware Park Pond (0101-0026)	Phosphorus
Erie	Ellicott Creek, Lower, and tribs (0102-0018)	Phosphorus
Erie	Ellicott Creek, Lower, and tribs (0102-0018)	Silt/Sediment
Erie	Green Lake (0101-0038)	Phosphorus
Erie	Little Sister Creek, Lower, and tribs (0104-0045)	Phosphorus
Erie	Murder Creek, Lower, and tribs (0102-0031)	Phosphorus

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

Erie	Rush Creek and tribs (0104-0018)	Phosphorus
Erie	Scajaquada Creek, Lower, and tribs (0101-0023)	Phosphorus
Erie	Scajaquada Creek, Middle, and tribs (0101-0033)	Phosphorus
Erie	Scajaquada Creek, Upper, and tribs (0101-0034)	Phosphorus
Erie	South Branch Smoke Cr, Lower, and tribs (0101-0036)	Phosphorus
Erie	South Branch Smoke Cr, Lower, and tribs (0101-0036)	Silt/Sediment
Genesee	Bigelow Creek and tribs (0402-0016)	Phosphorus
Genesee	Black Creek, Middle, and minor tribs (0402 0028)	Phosphorus
Genesee	Black Creek, Upper, and minor tribs (0402-0048)	Phosphorus
Genesee	Bowen Brook and tribs (0102-0036)	Phosphorus
Genesee	LeRoy Reservoir (0402-0003)	Phosphorus
Genesee	Mill Pond (0402-0050)	Phosphorus
Genesee	Oak Orchard Cr, Upper, and tribs (0301-0014)	Phosphorus
Genesee	Oatka Creek, Middle, and minor tribs (0402-0031)	Phosphorus
Genessee	Tonawanda Cr, Middle, Main Stem (0102-0002)	Phosphorus
Greene	Schoharie Reservoir (1202-0012)	Silt/Sediment
Greene	Sleepy Hollow Lake (1301-0059)	Silt/Sediment
Herkimer	Steele Creek tribs (1201-0197)	Phosphorus
Herkimer	Steele Creek tribs (1201-0197)	Silt/Sediment
Kings	Hendrix Creek (1701-0006) 18	Nitrogen
Kings	Prospect Park Lake (1701-0196)	Phosphorus
Lewis	Mill Creek/South Branch, and tribs (0801-0200)	Nutrients
Livingston	Christie Creek and tribs (0402-0060)	Phosphorus
Livingston	Conesus Lake (0402-0004)	Phosphorus
Livingston	Mill Creek and minor tribs (0404-0011)	Silt/Sediment
Monroe	Black Creek, Lower, and minor tribs (0402-0033)	Phosphorus
Monroe	Buck Pond (0301-0017)	Phosphorus
Monroe	Cranberry Pond (0301-0016)	Phosphorus
Monroe	Durand, Eastman Lakes (0302-0037)	Phosphorus
Monroe	Lake Ontario Shoreline, Western (0301-0069) 9	Phosphorus
Monroe	Long Pond (0301-0015)	Phosphorus
Monroe	Mill Creek and tribs (0302-0025)	Phosphorus 2
Monroe	Mill Creek/Blue Pond Outlet and tribs (0402-0049)	Phosphorus
Monroe	Minor Tribs to Irondequoit Bay (0302-0038)	Phosphorus
Monroe	Rochester Embayment - East (0302-0002) [9]	Phosphorus
Monroe	Rochester Embayment - West (0301-0068) 9	Phosphorus
Monroe	Shipbuilders Creek and tribs (0302-0026)	Phosphorus 2
Monroe	Thomas Creek/White Brook and tribs (0302-0023)	Phosphorus

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

Nassau	Bannister Creek/Bay (1701-0380)	Nitrogen
Nassau	Beaver Lake (1702-0152)	Phosphorus
Nassau	Browswere Bay (1701-0383)	Nitrogen
Nassau	Camaans Pond (1701-0052)	Phosphorus
Nassau	East Meadow Brook, Upper, and tribs (1701-0211)	Silt/Sediment
Nassau	East Rockaway Channel (1701-0381)	Nitrogen
Nassau	Glen Cove Creek, Lower, and tribs (1702-0146)	Silt/Sediment
Nassau	Grant Park Pond (1701-0054)	Phosphorus
Nassau	Hempstead Bay, Broad Channel (1701-0032)	Nitrogen
Nassau	Hempstead Lake (1701-0015)	Phosphorus
Nassau	Hewlett Bay (1701-0382)	Nitrogen
Nassau	Hog Island Channel (1701-0220)	Nitrogen
Nassau	Massapequa Creek, Upper, and tribs (1701-0174)	Phosphorus
Nassau	Milburn/Parsonage Creeks, Upp, and tribs (1701-0212)	Phosphorus
Nassau	Reynolds Channel, East (1701-0215) [12]	Nitrogen
Nassau	Reynolds Channel, West (1701-0216) 12	Nitrogen
Nassau	Tidal Tribs to Hempstead Bay (1701-0218)	Nitrogen
Nassau	Tribs (fresh) to East Bay (1701-0204)	Silt/Sediment
Nassau	Tribs (fresh) to East Bay (1701-0204)	Phosphorus
Nassau	Tribs to Smith Pond/Halls Pond (1701-0221)	Phosphorus
Nassau	Woodmere Channel (1701-0219)	Nitrogen
New York	Harlem Meer (1702-0103)	Phosphorus
New York	The Lake in Central Park (1702-0105)	Phosphorus
Niagara	Bergholtz Creek and tribs (0101-0004)	Phosphorus
Niagara	Hyde Park Lake (0101-0030)	Phosphorus
Niagara	Lake Ontario Shoreline, Western (0301-0053) 9	Phosphorus
Niagara	Lake Ontario Shoreline, Western (0301-0072) 9	Phosphorus
Oneida	Ballou, Nail Creeks (1201-0203)	Phosphorus
Onondaga	Ley Creek and tribs (0702-0001) 10	Nutrients (phosphorus)
Onondaga	Minor Tribs to Onondaga Lake (0702-0022) 10	Nutrients (phosphorus)
Onondaga	Minor Tribs to Onondaga Lake (0702-0022) 10	Nitrogen (NH3, NO2)
Onondaga	Onondaga Creek, Lower (0702-0023) 10	Nutrients (phosphorus)
Onondaga	Onondaga Creek, Lower, and tribs (0702-0023)	Turbidity
Onondaga	Onondaga Creek, Middle, and tribs (0702-0004)	Turbidity
Onondaga	Onondaga Creek, Upper, and tribs (0702-0024)	Turbidity
Ontario	Great Brook and minor tribs (0704-0034)	Phosphorus 2
Ontario	Great Brook and minor tribs (0704-0034)	Silt/Sediment

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

Ontario	Hemlock Lake Outlet and minor tribs (0402-0013)	Phosphorus
Ontario	Honeoye Lake (0402-0032)	Phosphorus
Orange	Brown Pond Reservoir (1303-0013)	Phosphorus
Orange	Lake Washington (1303-0012)	Phosphorus
Orange	Minor Tribs to Middle Wallkill (1306-0061)	Phosphorus
Orange	Monhagen Brook and tribs (1306-0074)	Phosphorus
Orange	Orange Lake (1301-0008) [16]	Phosphorus
Orange	Quaker Creek and tribs (1306-0025)	Phosphorus
Orange	Wallkill River, Middle, Main Stem (1306-0038)	Phosphorus
Orange	Wallkill River, Upper, and Minor tribs (1306-0017)	Phosphorus
Orleans	Glenvwood Lake (0301-0041)	Phosphorus
Orleans	Lake Ontario Shoreline, Western (0301-0070) 9	Phosphorus
Orleans	Lake Ontario Shoreline, Western (0301-0071) 9	Phosphorus
Oswego	Lake Neatahwanta (0701-0018)	Nutrients (phosphorus)
Oswego	Pleasant Lake (0703-0047)	Phosphorus
Putnam	Lost Lake, Putnam Lake (1302-0053)	Phosphorus
Putnam	Minor Tribs to Croton Falls Reservoir (1302-0001)	Phosphorus
Queens	Bergen Basin (1701-0009) 18	Nitrogen
Queens	Jamaica Bay, Eastern, and tribs, Queens (1701-0005) 18	Nitrogen
Queens	Kissena Lake (1702-0258)	Phosphorus
Queens	Meadow Lake (1702-0030)	Phosphorus
Queens	Shellbank Basin (1701-0001) 18	Nitrogen
Queens	Willow Lake (1702-0031)	Phosphorus
Rensselaer	Nassau Lake (1310-0001)	Phosphorus
Rensselaer	Snyders Lake (1301-0043)	Phosphorus
Richmond	Grassmere Lake/Bradys Pond (1701-0357)	Phosphorus
Rockland	Congers Lake, Swartout Lake (1501-0019)	Phosphorus
Rockland	Rockland Lake (1501-0021)	Phosphorus
Saratoga	Ballston Lake (1101-0036)	Phosphorus
Saratoga	Dwaas Kill and tribs (1101-0007)	Phosphorus
Saratoga	Dwaas Kill and tribs (1101-0007)	Silt/Sediment
Saratoga	Lake Lonely (1101-0034)	Phosphorus
Saratoga	Round Lake (1101-0060)	Phosphorus
Saratoga	Tribs to Lake Lonely (1101-0001)	Phosphorus
Schenectady	Collins Lake (1201-0077)	Phosphorus
Schenectady	Duane Lake (1311-0006)	Phosphorus
Schenectady Lake	Mariaville Lake (1201-0113)	Phosphorus
Schuyler	Cayuta Lake (0603-0005)	Phosphorus

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

Seneca	Reeder Creek and tribs (0705-0074)	Phosphorus
St.Lawrence	Black Lake Outlet, Black Lake (0906-0001)	Phosphorus
St.Lawrence	Fish Creek and minor tribs (0906-0026)	Phosphorus
Steuben	Smith Pond (0502-0012)	Phosphorus
Suffolk	Agawam Lake (1701-0117)	Phosphorus
Suffolk	Big/Little Fresh Ponds (1701-0125)	Phosphorus
Suffolk	Canaan Lake (1701-0018)	Phosphorus
Suffolk	Canaan Lake (1701-0018)	Silt/Sediment
Suffolk	Fresh Pond (1701-0241)	Phosphorus
Suffolk	Great South Bay, East (1701-0039)	Nitrogen
Suffolk	Great South Bay, Middle (1701-0040)	Nitrogen
Suffolk	Great South Bay, West (1701-0173)	Nitrogen
Suffolk	Lake Ronkonkoma (1701-0020)	Phosphorus
Suffolk	Mattituck/Marratooka Pond (1701-0129)	Phosphorus
Suffolk	Mill and Seven Ponds (1701-0113)	Phosphorus
Suffolk	Millers Pond (1702-0013)	Phosphorus
Suffolk	Moriches Bay, East (1701-0305)	Nitrogen
Suffolk	Moriches Bay, West (1701-0038)	Nitrogen
Suffolk	Quantuck Bay (1701-0042)	Nitrogen
Suffolk	Shinnecock Bay and Inlet (1701-0033)	Nitrogen
Suffolk	Tidal Tribs to West Moriches Bay (1701-0312)	Nitrogen
Sullivan	Bodine, Mongomery Lakes (1401-0091)	Phosphorus
Sullivan	Davies Lake (1402-0047)	Phosphorus
Sullivan	Evens Lake (1402-0004)	Phosphorus
Sullivan	Pleasure Lake (1402-0055)	Phosphorus
Sullivan	Swan Lake (1401-0063)	Phosphorus
Tompkins	Cayuga Lake, Southern End (0705-0040)	Phosphorus
Tompkins	Cayuga Lake, Southern End (0705-0040)	Silt/Sediment
Ulster	Ashokan Reservoir (1307-0004)	Silt/Sediment
Ulster	Esopus Creek, Lower, Main Stem (1307-0010) [17]	Turbidity
Ulster	Esopus Creek, Middle, Main Stem (1307-0003) 17	Turbidity
Ulster	Esopus Creek, Upper, and minor tribs (1307-0007)[3]	Silt/Sediment
Ulster	Wallkill River, Lower, Main Stem (1306-0027)	Phosphorus
Warren	Hague Brook and tribs (1006-0006)	Silt/Sediment
Warren	Huddle/Finkle Brooks and tribs (1006-0003)	Silt/Sediment
Warren	Indian Brook and tribs (1006-0002)	Silt/Sediment
Warren	Lake George (1006-0016) and tribs	Silt/Sediment
Warren	Tribs to Lake George, East Shore (1006-0020)	Silt/Sediment
Warren	Tribs to Lake George, Lk.George Village (1006-0008)	Silt/Sediment

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

Washington	Wood Cr/Champlain Canal and tribs (1005-0036)	Phosphorus
Westchester	Lake Katonah (1302-0136)	Phosphorus
Westchester	Lake Lincolndale (1302-0089)	Phosphorus
Westchester	Lake Meahagh (1301-0053)	Phosphorus
Westchester	Lake Mohegan (1301-0149)	Phosphorus
Westchester	Lake Shenorock (1302-0083)	Phosphorus
Westchester	Mamaroneck River, Lower (1702-0071)	Silt/Sediment
Westchester	Mamaroneck River, Upp, & minor tribs (1702-0123)	Silt/Sediment
Westchester	Saw Mill River (1301-0007)	Phosphorus
Westchester	Saw Mill River, Middle, and tribs (1301-0100)	Phosphorus
Westchester	Sheldrake River (1702-0069)	Phosphorus
Westchester	Sheldrake River (1702-0069)	Silt/Sedimnt
Westchester	Silver Lake (1702-0040)	Phosphorus
Westchester	Teatown Lake (1302-0150)	Phosphorus
Westchester	Truesdale Lake (1302-0054)	Phosphorus
Westchester	Wallace Pond (1301-0140)	Phosphorus

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

APPENDIX E – List of NYSDEC 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	220 White Plains Road, Suite 110 Tel. (914) 428 - 2505
4	Albany, Columbia, Delaware, Greene, Montgomery, Otsego, Rensselaer, Schenectady and Schoharie	1130 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	5786 WIDEWATERS PARKWAY SYRACUSE, NY 13214-1867 TEL. (315) 426-7438	5786 WIDEWATERS PARKWAY SYRACUSE, NY 13214-1867 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	700 DELAWARE AVENUE BUFFALO, NY 14209-2999 TEL. (716) 851-7165	700 DELAWARE AVENUE BUFFALO, NY 14209-2999 TEL. (716) 851-7070

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

Appendix E

Forms

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

NEW YORK STATE | Department of Environmental Conservation

Owner/Operator Certification Form

SPDES General Permit for Stormwater Discharges from Construction Activity, GP-0-25-001 (CGP)

(In accordance with CGP Part I.D.2.b. or Part I.F.2. and 3., the completed form must be attached to the eNOI or the Request to Continue Coverage, and submitted to NYSDEC electronically.

Project/Site Name: Dodge Road Single-Family Subdivision

eNOI Submission ID: _____

eNOI Submitted by: ☐ **Owner/Operator** ☑ **SWPPP Preparer** ☐ **Other**

Certification Statement - Owner/Operator

I hereby certify that I read, and will comply with, the GP-0-25-001 permit requirements. I understand that authorization to discharge under the permit for the project/site named above is dependent on receipt of a Letter of Authorization (LOA) or a Letter of Continued Coverage (LOCC) from the New York State Department of Environmental Conservation (NYSDEC) in accordance with CGP Part I.D.3.b. or Part I.F.4. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Joseph		Rubino
Owner/Operator First Name	MI	Owner/Operator Last Name

Signature

2/6/25
Date

Revised: January 2025

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

NEW YORK STATE | Department of Environmental Conservation

SWPPP Preparer Certification Form

SPDES General Permit for Stormwater Discharges from Construction Activity, GP-0-25-001 (CGP)

(In accordance with CGP Part I.D.2.b., the completed form must be attached to the eNOI and submitted to NYSDEC electronically.)

Project/Site Name:	Dodge Road Single-Family Subdivision
eNOI Submission ID:	
Owner/Operator Name:	Joseph Rubino

Certification Statement – SWPPP Preparer

I hereby certify that the Stormwater Pollution Prevention Plan (SWPPP) has been prepared in accordance with the requirements of GP-0-25-001. I certify under penalty of law that the SWPPP and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate 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 there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Christopher		Wood
SWPPP Preparer First Name	MI	SWPPP Preparer Last Name

Signature

02/05/25

Date

Revised: January 2025

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

STORM WATER POLLUTION PREVENTION PLAN
CONTRACTOR'S CERTIFICATION STATEMENT

Pleasant Woods Land Clearing and Grading and all subsequent activities covered under SPDES Permit

CONTRACTOR'S 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 storm water discharges from construction activities and that it is unlawful for any person to cause or contribute to a violation of water quality standards."

Note: The contractor shall have at least one NYSDEC trained individual onsite at all times when earthwork and other SWPPP associated work is being performed from each contractor(s) and subcontractor(s). Each contractor(s) and subcontractor(s) shall provide copies of these individuals' certifications to the Town of Hamburg.

Name: _____
(Print)

Signature: _____

Title: _____

Company Name: _____

Address: _____

Telephone Number: _____

Date: _____

Scope of Services: _____

Trained Individual(s) Responsible for Implementation: _____

This form must be signed by a responsible corporate officer or other party meeting the "Signatory Requirements" of the NYSDEC SPDES General Permit

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

New York State Department of Environmental Conservation
Division of Water
625 Broadway, 4th Floor
Albany, New York 12233-3505
(NOTE: Submit completed form to address above)

NOTICE OF TERMINATION for Storm Water Discharges Authorized under the SPDES General Permit for Construction Activity

Please indicate your permit identification number: NYR ____ ____ ____ ____ ____ ____

I. Owner or Operator Information

1. Owner/Operator Name:

2. Street Address:

3. City/State/Zip:

4. Contact Person: | 4a.Telephone:

4b. Contact Person E-Mail:

II. Project Site Information

5. Project/Site Name:

6. Street Address:

7. City/Zip:

8. County:

III. Reason for Termination

9a. □ All disturbed areas have achieved final stabilization in accordance with the general permit and SWPPP. ***Date final stabilization completed** (month/year): _____

9b. □ Permit coverage has been transferred to new owner/operator. Indicate new owner/operator's permit identification number: NYR ____ ____ ____ ____ ____ ____
(Note: Permit coverage can not be terminated by owner identified in I.1. above until new owner/operator obtains coverage under the general permit)

9c. □ Other (Explain on Page 2)

IV. Final Site Information:

10a. Did this construction activity require the development of a SWPPP that includes post-construction stormwater management practices? □ yes □ no (If no, go to question 10f.)

10b. Have all post-construction stormwater management practices included in the final SWPPP been constructed? □ yes □ no (If no, explain on Page 2)

10c. Identify the entity responsible for long-term operation and maintenance of practice(s)?

_____

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

NOTICE OF TERMINATION for Storm Water Discharges Authorized under the SPDES General Permit for Construction Activity - continued

10d. Has the entity responsible for long-term operation and maintenance been given a copy of the operation and maintenance plan required by the general permit? □ yes □ no

10e. Indicate the method used to ensure long-term operation and maintenance of the post-construction stormwater management practice(s):

□ Post-construction stormwater management practice(s) and any right-of-way(s) needed to maintain practice(s) have been deeded to the municipality.

□ Executed maintenance agreement is in place with the municipality that will maintain the post-construction stormwater management practice(s).

□ For post-construction stormwater management practices that are privately owned, a mechanism is 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.

□ For post-construction stormwater management practices that are owned by a public or private institution (e.g. school, university or hospital), government agency or authority, or public utility; policy and procedures are in place that ensures operation and maintenance of the practice(s) in accordance with the operation and maintenance plan.

10f. Provide the total area of impervious surface (i.e. roof, pavement, concrete, gravel, etc.) constructed within the disturbance area? _____ (acres)

11. Is this project subject to the requirements of a regulated, traditional land use control MS4? □ yes □ no

(If Yes, complete section VI - "MS4 Acceptance" statement

V. Additional Information/Explanation:

(Use this section to answer questions 9c. and 10b., if applicable)

VI. MS4 Acceptance - MS4 Official (principal executive officer or ranking elected official) or Duly Authorized Representative (Note: Not required when 9b. is checked -transfer of coverage)

I have determined that it is acceptable for the owner or operator of the construction project identified in question 5 to submit the Notice of Termination at this time.

Printed Name:	
Title/Position:	
Signature:	Date:

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

NOTICE OF TERMINATION for Storm Water Discharges Authorized under the SPDES General Permit for Construction Activity - continued	
VII. Qualified Inspector Certification - Final Stabilization:	
I hereby certify that all disturbed areas have achieved final stabilization as defined in the current version of the general permit, and that all temporary, structural erosion and sediment control measures have been removed. Furthermore, I understand that certifying false, incorrect or inaccurate information is a violation of the referenced permit and the laws of the State of New York and could subject me to criminal, civil and/or administrative proceedings.	
Printed Name:	
Title/Position:	
Signature:	Date:
VIII. Qualified Inspector Certification - Post-construction Stormwater Management Practice(s):	
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 State of New York and could subject me to criminal, civil and/or administrative proceedings.	
Printed Name:	
Title/Position:	
Signature:	Date:
IX. Owner or Operator Certification	
I hereby certify that this document was prepared by me or under my direction or supervision. My determination, based upon my inquiry of the person(s) who managed the construction activity, or those persons directly responsible for gathering the information, is that the information provided in this document is true, accurate and complete. Furthermore, I understand that certifying false, incorrect or inaccurate information is a violation of the referenced permit and the laws of the State of New York and could subject me to criminal, civil and/or administrative proceedings.	
Printed Name:	
Title/Position:	
Signature:	Date:

(NYS DEC Notice of Termination - January 2015)

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

Appendix F

NYSDEC Notice of Termination (NOT)

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

Appendix G

Construction Documents

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

Single Family Subdivision

Amherst, New York

AGENCIES

ENGINEERING DEPARTMENT
NAME/TITLE: JEFFERY BURROUGHS, P.E. – TOWN ENGINEER
COMPANY/DEPT: TOWN OF AMHERST ENGINEERING DEPARTMENT
ADDRESS: 1100 NORTH FOREST ROAD
WILLIAMSVILLE, NEW YORK 14221
TELEPHONE 716–631–7154

PLANNING & ZONING DEPARTMENT
NAME/TITLE: DANIEL HOWARD – PLANNING DIRECTOR
COMPANY/DEPT: TOWN OF AMHERST PLANNING DEPARTMENT
ADDRESS: 5583 MAIN STREET
WILLIAMSVILLE, NEW YORK 14221
TELEPHONE 716–631–7051

BUILDING DEPT.
NAME/TITLE: BERKE, MARK S. – COMMISSIONER OF BUILDING
COMPANY/DEPT.: TOWN OF AMHERST BUILDING DEPT.
ADDRESS: 5583 MAIN ST.
AMHERST, NEW YORK 14221
TELEPHONE 716–631–7080

ECDOH
NAME/TITLE:
COMPANY/DEPT:. ERIE COUNTY DEPARTMENT OF HEALTH
ADDRESS: 503 KENSINGTON AVE
BUFFALO, NEW YORK 14214
TELEPHONE 716–961–6854

NYSDEC
NAME/TITLE:
COMPANY/DEPT: NEW YORK STATE DEPT. OF ENVIRONMENTAL CONSERVATION
ADDRESS: 700 DELAWARE AVE.
BUFFALO, NEW YORK 14209
TELEPHONE 716–851–7070

UTILITIES

NATURAL GAS
COMPANY/DEPT:. NATIONAL FUEL GAS CORP.
ADDRESS: 6363 MAIN STREET
WILLIAMSVILLE, NEW YORK 14221
TELEPHONE 716–857–7000

TELEPHONE COMPANY
COMPANY/DEPT: VERIZON
ADDRESS: 65 FRANKLIN STREET
BUFFALO, NEW YORK 14203
TELEPHONE 716–840–8748

CABLE COMPANY
COMPANY/DEPT: TIME WARNER
ADDRESS: 789 CHURCH ROAD
WEST SENECA, NEW YORK
TELEPHONE 716–558–8615

ELECTRIC COMPANY
COMPANY/DEPT: NATIONAL GRID
ADDRESS: 144 KENSINGTON AVENUE
BUFFALO, NEW YORK 14214
TELEPHONE 716–236–2738

WATER
COMPANY/DEPT:. ERIE COUNTY WATER AUTHORITY
ADDRESS: 3030 UNION ROAD
CHEEKTOWAGA, NEW YORK 14227
TELEPHONE 716–684–1510

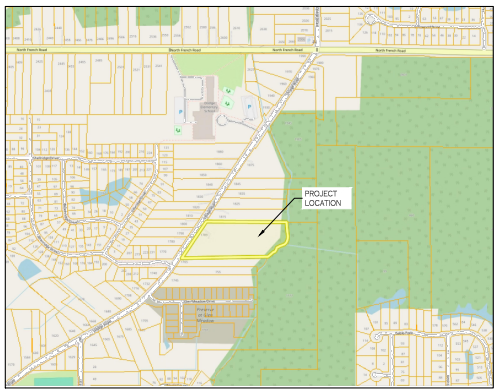
DIG SAFELY NEW YORK
TELEPHONE 1–800–962–7962

DESIGN CONSULTANTS

PROJECT SURVEYOR
COMPANY/DEPT: NUSSBAUMER & CLARKE, INC.
ADDRESS: 3556 LAKESHORE ROAD, SUITE 500
BUFFALO, NEW YORK 14219
TELEPHONE 716–827–8000

OWNER/DEVELOPER

NAME: JOE RUBINO
ADDRESS 5500 MAIN STREET, SUITE 343
WILLIAMSVILLE, NY 14221
CONTACT: JOE RUBINO
TELEPHONE 716-510-4338



LOCATION MAP
NOT TO SCALE

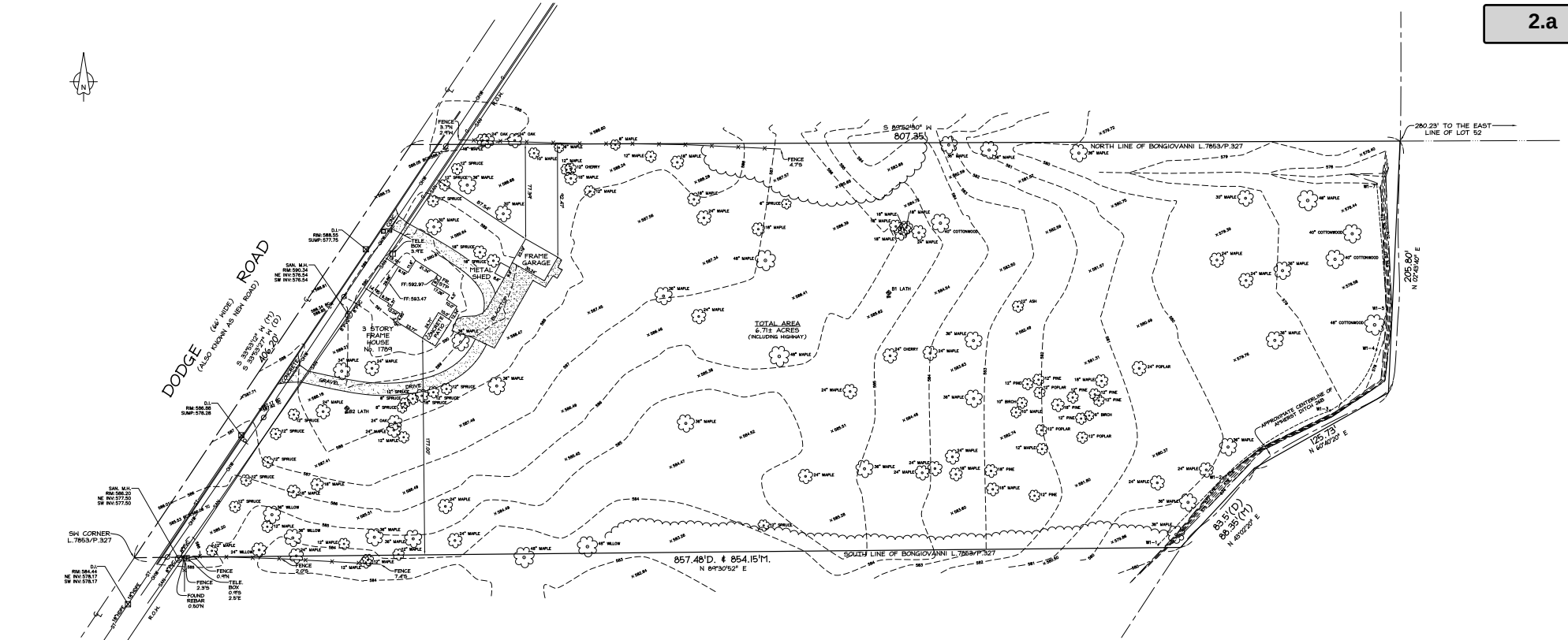
CARMINAWOOD DESIGN

FEBRUARY 2025

DRAWING NO.	DRAWING TITLE
–	COVER SHEET
–	LAND SURVEY (PREPARED BY NUSSBAUMER & CLARKE
C–001	DEMOLITION & EROSION CONTROL PLAN
C–002	DEMOLITION & EROSION CONTROL DETAILS
C–100	LAYOUT PLAN
C–200	GRADING PLAN
C–201	ROAD PROFILE
C–300	STORM WATER MANAGEMENT PLAN
C–301	BASIN DETAILS
C–302	STORM DRAINAGE DETAILS
C–303	STORM DRAINAGE DETAILS
C–400	UTILITY PLAN
C–401	UTILITY PROFILES
C–402	SANITARY SEWER DETAILS
C–403	SANITARY SEWER DETAILS
C–404	SANITARY SEWER NOTES
C–405	WATER DETAILS
C–406	WATER DETAILS
C–407	LIGHTING DETAILS
C–408	LIGHTING DETAILS
C–409	LIGHTING DETAILS

Single Family Subdivision
1789 Dodge Road
Amherst, New York

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge



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 BOX
- SPEED SIGN
- SOIL BORINGS
- WETLAND FLAG
- TREE AS NOTED
- MAILBOX
- SPOT ELEVATION
- ELEVATION– BOTTOM OF CURB
- ELEVATION– TOP OF CURB
- OHW — POWER OVERHEAD WIRES
- CURB
- G — UNDERGROUND GAS LINE
- SAN — SANITARY SEWER
- ST — STORM SEWER
- CENTERLINE SWALE
- CENTERLINE DITCH
- TOP OF SLOPE
- BOTTOM OF SLOPE
- WETLAND LINE
- TREE LINE

SCALE

0' 40' 80' 120'

1" = 40'
(IN FEET)

NOTICE: NOT FOR USE AT PROPERTY CORNERS

3556 Lake Shore Road, Suite 500, Buffalo NY 14219
p (716) 827-8000 f (716) 270-6091 www.nussclarke.com

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.

Unauthorized alterations or additions to this survey plat, design, specification, plan or report are in violation of Section 7209, paragraph 2 of the New York State Education Law.

NUSSBAUMER & CLARKE, INC. ENGINEERS AND SURVEYORS EST. 1972

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

Project No. 2012-1527A

D:\Users\nwnnk\Documents\ALIE_SIG.tif

NIAGARA FRONTIER SURVEYORS ASSOCIATION 1960 Association Inc. MEMBER

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge

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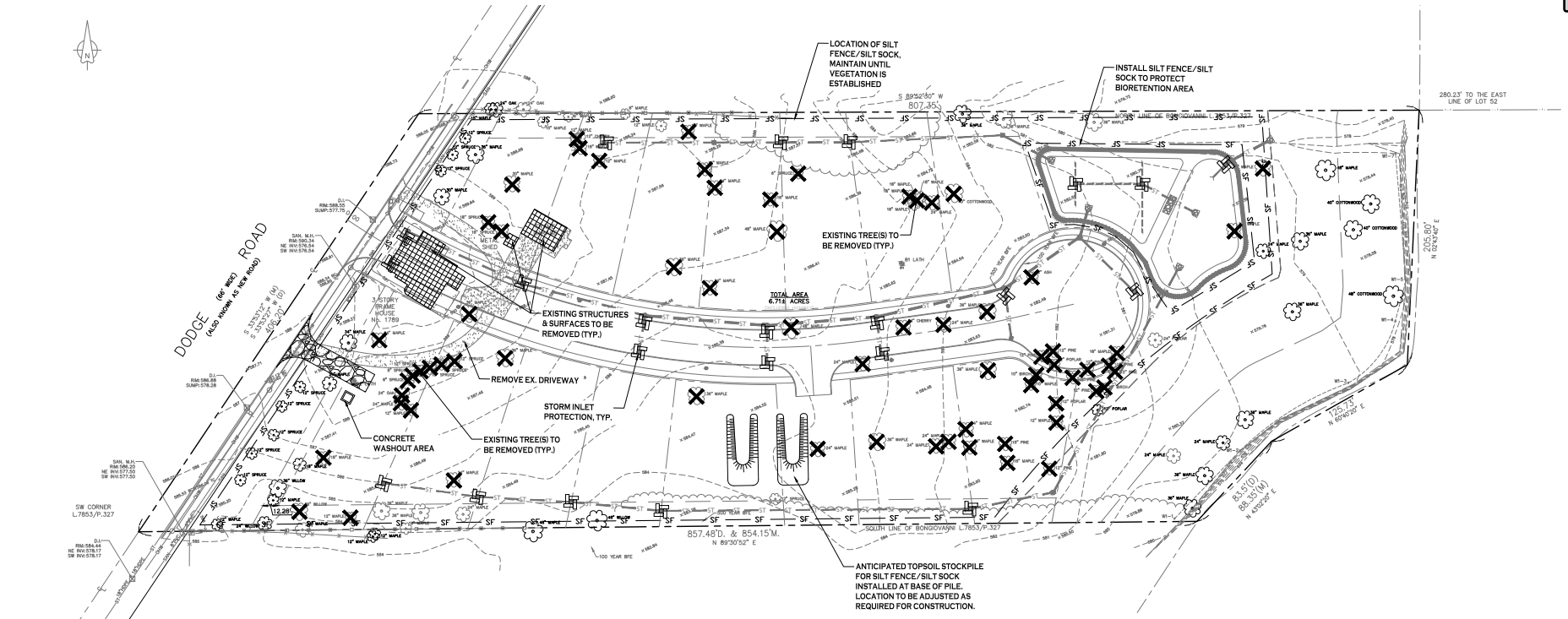

DEMOLITION & EROSION CONTROL PLAN

SCALE: 1"=40'

EROSION CONTROL NOTES

THE FOLLOWING EROSION CONTROL PROCEDURES SHALL BE ADHERED TO BY THE CONTRACTOR:

1. INSTALL TEMPORARY SILT SOCK BARRIERS AS DIRECTED BY THE OWNER AND AT ALL EXISTING STORMWATER CATCH BASINS WITHIN THE WORK AREA TO PREVENT SEDIMENT MIGRATION. ALL SILT SOCK BARRIERS SHALL BE INSTALLED IN ACCORDANCE WITH THE DETAILS SHOWN ON THE PLANS.
2. TOPSOIL SHALL BE STRIPPED AND STOCKPILED ON SITE FOR RE-USE AS DIRECTED BY THE OWNER. ALL LOCAL ORDINANCES REGARDING THE SALE OF TOPSOIL MUST BE FOLLOWED. TOPSOIL MAY NOT BE REMOVED WITHOUT A PERMIT.
3. ALL SILT SOCK BARRIERS SHALL BE REPLACED WHEREVER THEY BECOME CLOGGED OR INOPERABLE.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTENANCE AND REMOVAL OF TEMPORARY SEDIMENTATION CONTROLS.
5. THE CONTRACTOR MUST CONTROL DUST DURING CONSTRUCTION. DURING EARTHWORK OPERATIONS, WATER-SPREADING EQUIPMENT SHALL BE PROVIDED BY THE CONTRACTOR, AND SPREAD WATER AS NECESSARY AND AS DIRECTED BY THE OWNER IN ORDER TO CONTROL DUST.
6. DIRT OR DEBRIS LEFT ON LOCAL PUBLIC ROADS AS A RESULT OF THIS CONSTRUCTION PROJECT SHALL BE REMOVED AND ROAD SURFACES CLEANED BY THE CONTRACTOR ON A DAILY BASIS.
7. ALL DISTURBED AREAS (EXCEPT AREAS TO BE PAVED OR BUILT UPON) SHALL BE TOPSOILED TO A MINIMUM 4" DEPTH AND SEEDED IMMEDIATELY AFTER FINE GRADING TAKES PLACE AND AS SOON AS PHYSICALLY POSSIBLE.
8. THE CONTRACTOR IS RESPONSIBLE FOR THE MAINTENANCE OF DOWNSTREAM STORM SEWERS, DITCHES, AND CULVERTS. SILT BUILDUP FOUND TO BE A RESULT OF THIS SITE CONSTRUCTION WORK SHALL BE REMOVED FROM DOWNSTREAM CULVERTS BY THE CONTRACTOR AT NO ADDITIONAL EXPENSE TO THE OWNER OR THE TOWN/CITY.
9. ALL SOIL EROSION AND SEDIMENT CONTROL DEVICES AND MATERIALS SHALL BE IN PLACE PRIOR TO BEGINNING EARTHWORK OPERATIONS AND SHALL BE MAINTAINED UNTIL THE NEW SLOPES ARE STABILIZED WITH SEEDING AND/OR SLOPE PROTECTION, AS DIRECTED BY THE ENGINEER.
10. INSTALL TEMPORARY SILT SOCK AROUND THE BASE OF STOCKPILES.

DEMOLITION NOTES:

1. CONTRACTOR SHALL TAKE PRECAUTIONS TO PROTECT THOSE ITEMS TO REMAIN, SUCH AS TREES, PROPERTY CORNER PINS, UTILITY POLES, VALVES, HYDRANTS, CURBS, MANHOLES AND CATCH BASINS.
2. TEMPORARY SILT SOCK AND STRAW BALES TO BE INSTALLED AS DIRECTED BY THE OWNERS FIELD REPRESENTATIVE. MAINTAIN UNTIL VEGETATION IS ESTABLISHED AND PAVEMENT IS INSTALLED.
3. CONTRACTOR SHALL INSTALL STABILIZED CONSTRUCTION ENTRANCES WHERE ACCESSING THE SITE FROM PAVED ROADWAYS. STORM DRAINAGE INLETS THAT INTERFERE WITH CONSTRUCTION ENTRANCE TO BE PROTECTED WITH SILT SACK AND OTHER PROPER TEMPORARY INLET PROTECTION MEASURES.
4. CONTRACTOR SHALL INSTALL TEMPORARY TRAFFIC CONTROL DEVICES IN ACCORDANCE WITH NYS M.U.T.C.D. STANDARDS PRIOR TO STARTING WORK.
5. COVERED DUMPSTERS SHALL BE PROVIDED ONSITE AS REQUIRED FOR CONSTRUCTION WASTE.
6. CONTRACTOR TO PROTECT ALL TREES/BRUSH NOT DISTURBED BY CONSTRUCTION ACTIVITY.
7. REMOVE EXISTING HOUSE TO INCLUDE ALL FOUNDATIONS, PORCHES, STEPS, ETC. ALL UTILITY CONNECTIONS TO BE ABANDONED AND/OR REMOVED PER COUNTY, TOWN, AND UTILITY COMPANY REQUIREMENTS.
8. EXISTING CURB AT DRIVEWAY ENTRANCE TO BE REMOVED SHALL BE SAW CUT FULL-DEPTH AND NEATLY REMOVED FROM THE BACKSIDE, EXISTING PAVEMENT SHALL NOT BE DISTURBED AND THE PAVEMENT EDGE SHALL BE USED AS FOR FOR PLACING NEW CURB.

CONSTRUCTION SEQUENCE OF MAJOR ACTIVITIES:

1. CONSTRUCT TEMPORARY CONSTRUCTION EXIT, INSTALL PERIMETER SILT SOCK AND DRAINAGE INLET PROTECTION.
2. CLEAR AND GRUB SITE.
3. COMMENCE SITE GRADING.
4. INSTALL PROPOSED UTILITIES. PROVIDE EROSION AND SEDIMENT CONTROL DURING UTILITY CONSTRUCTION.
5. CONSTRUCTION OF HOME, DRIVEWAY, GRADING OF THE REMAINING SITE. PROTECT DRAINAGE SWALES DURING HOME CONSTRUCTION.
6. REPLACE TOPSOIL WHERE NEEDED AND SEED ALL DISTURBED AREA.
7. AFTER SITE STABILIZATION REMOVE TEMPORARY EROSION AND SEDIMENT CONTROLS.

NOTE: SWALE PROTECTION AND EROSION AND SEDIMENT CONTROLS FOR THIS PROJECT ARE ALSO REQUIRED DURING HOME CONSTRUCTION.

DEMOLITION & EROSION CONTROL LEGEND

- PROPOSED SILT FENCE — SF
- EXISTING TREE TO BE REMOVED
- PROPOSED STORM INLET PROTECTION
- STABILIZED CONSTRUCTION ENTRANCE
- APPROXIMATE LIMITS OF EXISTING BUILDING FOUNDATION, WALL, SLAB, SUPERSTRUCTURE, ETC. TO BE REMOVED
- EXISTING TREE TO BE REMOVED

NOTE: BOUNDARY AND TOPOGRAPHIC INFORMATION PROVIDED BY OTHERS. CARMINA WOOD DESIGN ASSUMES NO RESPONSIBILITY FOR ITS ACCURACY.

40' 40 0 40 80Ft.

TOWN OF AMHERST APPROVAL BOX:

CARMINAWOOD

Single Family Subdivision

REVISIONS:

No.	Description	Date
1	Rev. Per Town Comments	9/19/2024
2	Rev. Per Town Comments	9/24/2024

DRAWING NAME: Site Layout

Date: /29/25
Drawn By: C. Wood
Scale: As Noted

DRAWING NO.

PROJECT NO.: 20.247

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge

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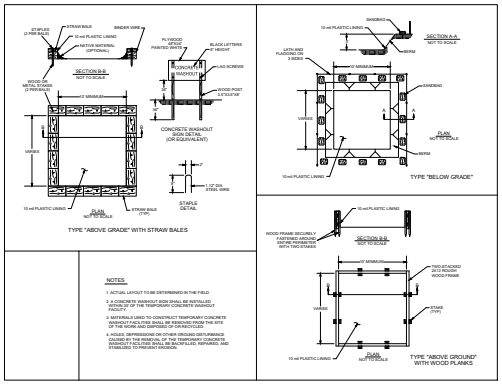
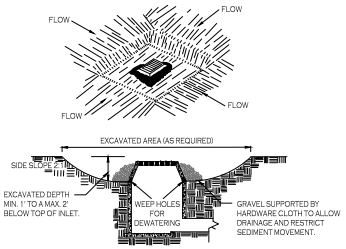


CONCRETE WASHOUT

NOT TO SCALE



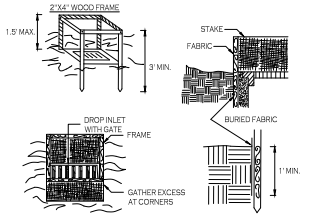
CONSTRUCTION SPECIFICATIONS

1. CLEAR THE AREA OF ALL DEBRIS THAT WILL HINDER EXCAVATION.
2. GRADE APPROACH TO THE INLET UNIFORMLY AROUND THE BASIN.
3. WEEP HOLES SHALL BE PROTECTED BY GRAVEL.
4. UPON STABILIZATION OF CONTRIBUTING DRAINAGE AREA, SEAL WEEP HOLES. FILL BASIN WITH STABLE SOIL TO FINAL GRADE, COMPACT IT PROPERLY AND STABILIZE WITH PERMANENT SEEDING.

MAXIMUM DRAINAGE AREA 1 ACRE

INLET PROTECTION DETAIL 1

NOT TO SCALE



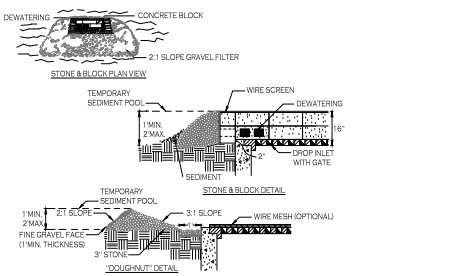
CONSTRUCTION SPECIFICATIONS

1. FILTER FABRIC SHALL HAVE AN EOS OF 40#5. BURLAP MAY BE USED FOR SHORT TERM APPLICATIONS.
2. CUT FABRIC FROM A CONTINUOUS ROLL TO ELIMINATE JOINTS. IF JOINTS ARE NEEDED THEY WILL BE OVERLAPPED TO THE NEXT STAKE.
3. STAKE MATERIALS WILL BE STANDARD 2" x 4" WOOD OR EQUIVALENT. METAL WITH A MINIMUM LENGTH OF 3 FEET.
4. SPACE STAKES EVENLY AROUND INLET 3 FEET APART AND DRIVE A MINIMUM 18 INCHES DEEP. SPANS GREATER THAN 3 FEET MAY BE BRIDGED WITH THE USE OF WIRE MESH BEHIND THE FILTER FABRIC FOR SUPPORT.
5. FABRIC SHALL BE EMBEDDED 1 FOOT MINIMUM BELOW GROUND AND BACKFILLED. IT SHALL BE SECURELY FASTENED TO THE STAKES AND FRAME.
6. A 2" x 4" WOOD FRAME SHALL BE COMPLETED AROUND THE CREST OF THE FABRIC FOR OVER FLOW STABILITY.

MAXIMUN DRAINAGE AREA 1 ACRE

INLET PROTECTION DETAIL 2

NOT TO SCALE



CONSTRUCTION SPECIFICATIONS

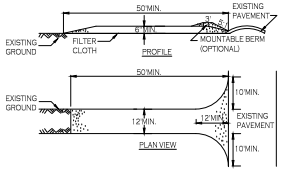
1. LAY ONE BLOCK ON EACH SIDE OF THE STRUCTURE ON ITS SIDE FOR DEWATERING. FOUNDATION SHALL BE 2 INCHES MINIMUM BELOW REST OF INLET AND BLOCKS SHALL BE PLACED AGAINST INLET FOR SUPPORT.
2. HARDWARE CLOTH OR 1/2" WIRE MESH SHALL BE PLACED OVER BLOCK OPENINGS TO SUPPORT STONE.
3. USE CLEAN STONE OR GRAVEL 1/2-3/4 INCH IN DIAMETER PLACED 2 INCHES BELOW TOP OF THE BLOCK ON A 2:1 SLOPE OR FLATTER.
4. FOR STONE STRUCTURES ONLY, A 1 FOOT THICK LAYER OF THE FILTER STONE WILL BE PLACED AGAINST THE 3 INCH STONE AS SHOWN ON THE DRAWINGS.

MAXIMUM DRAINAGE AREA 1 ACRE

INLET PROTECTION DETAIL 3

NOT TO SCALE

NOTE: INSTALL ONE OF THE INLET PROTECTION OPTIONS SHOWN PRIOR TO CONSTRUCTION

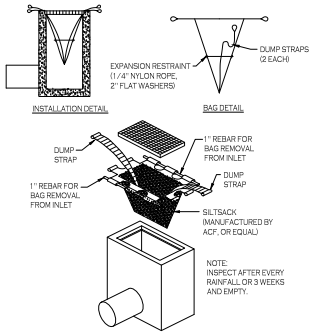


CONSTRUCTION SPECIFICATIONS

1. STONE SIZE - USE 2" 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. FILTER CLOTH - WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE.
6. SURFACE WATER - ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED ACROSS 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 TRACTED 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.

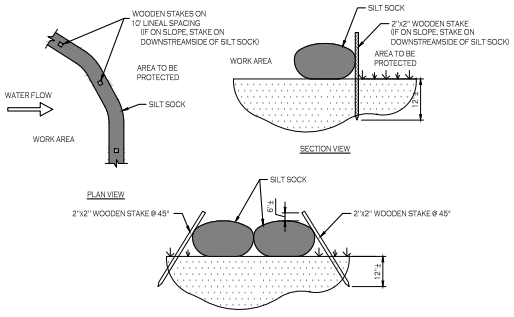
STABILIZED CONSTRUCTION ENTRANCE DETAIL

NOT TO SCALE



SILT SACK DETAIL

NOT TO SCALE



NOTES:

CONTRACTOR SHALL INSPECT AND MAINTAIN SILT SOCK AS NEEDED DURING THE DURATION OF CONSTRUCTION PROJECT.

CONTRACTOR SHALL REMOVE SEDIMENT COLLECTED AT THE BASE OF THE SILT SOCK WHEN IT HAS REACHED ½ OF THE EXPOSED HEIGHT OF THE SILT SOCK. ALTERNATIVELY, RATHER THAN CREATE A SOIL DISTURBING ACTIVITY, THE ENGINEER MAY CALL FOR ADDITIONAL SILT SOCK TO BE ADDED AT AREAS OF HIGH SEDIMENTATION, PLACED IMMEDIATELY ON TOP OF THE EXISTING SEDIMENT LADEN SILT SOCK.

SILT SOCK SHALL BE OVERLAPPED 12" AT JOINTS AND STAKED ON EACH SIDE OF THE SOCK AT A 45° ANGLE

SILT SOCK DETAIL

N.T.S.

TOWN OF AMHERST APPROVAL BOX:

2.a

CARMINA WOOD DESIGN

Single Family Subdivision

REVISIONS:		
No.	Description	Date
	Rev. Per Town Comments	9/19/2024
	Rev. Per Town Comments	10/14/2024

DRAWING NAME: Demolitic Erosion C Details

Date: 10/14/24
Drawn By: C. Wood
Scale: As Noted

DRAWING NO.

PROJECT NO.: 20.247

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge

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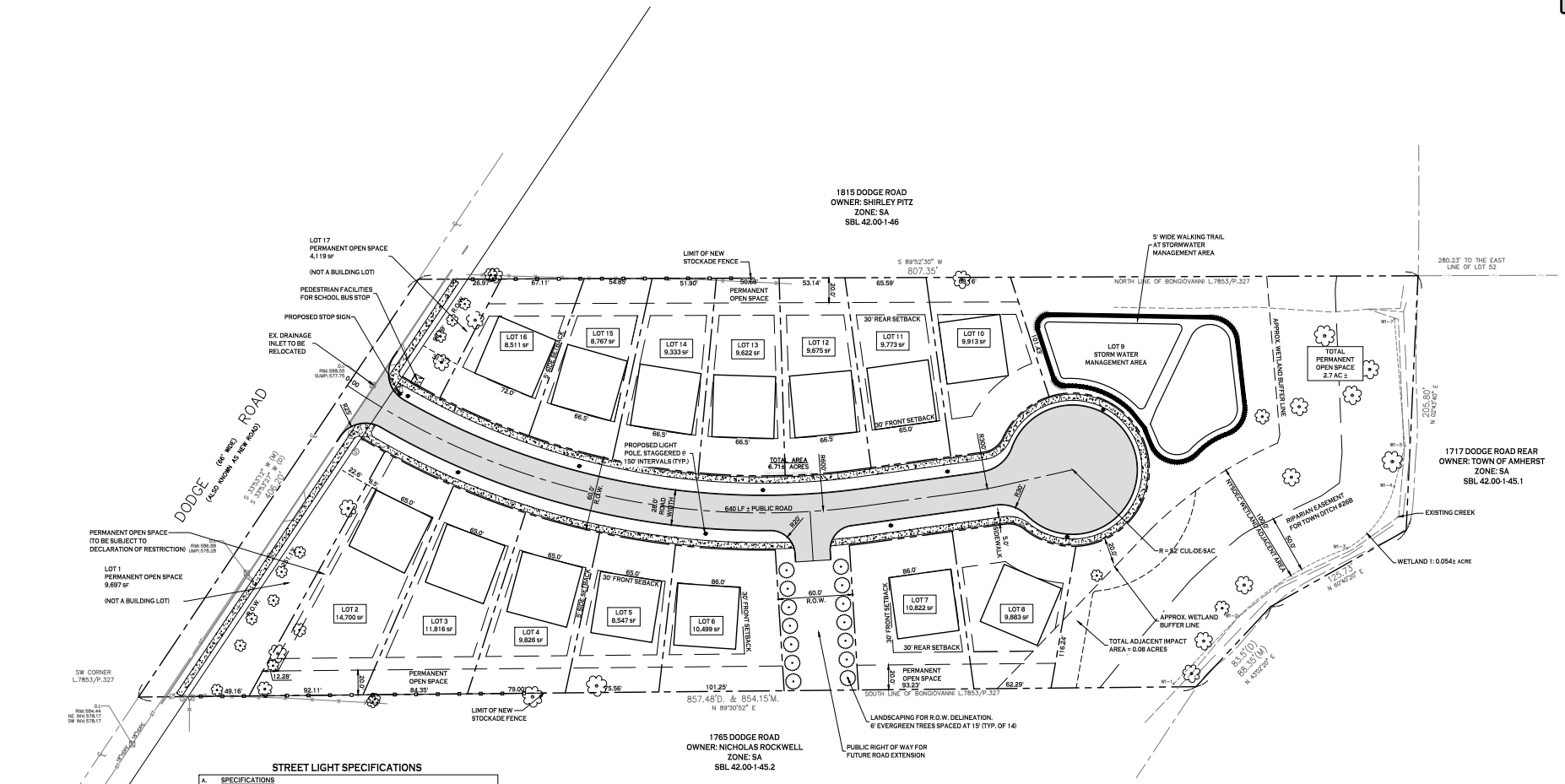

LAYOUT PLAN

SCALE: 1"=40'

STREET LIGHT SPECIFICATIONS

A. SPECIFICATIONS
I. FIXTURE (LUMINAIRE): TOWN STANDARD TRADITIONAL POST TOP - SIGNIFY LED TOWNVIEW
A.A. MODEL NUMBER : TVPR-S3-S-16-G1-7-3W-730-A-N-R7-N-SP1-N-N-N-BKS
II. CORRELATED COLOR TEMPERATURE (CCT): 3,000K
I. FIXTURE HEIGHT: 16'
IV. DISTRIBUTION TYPE: 3 UNLESS LIGHT IS IN MEDIAN OR HAS SIMILAR APPLICATION MAY REQUIRE IN WHICH CASE 5. IF DISTRIBUTION OTHER THAN TYPE 3 IS USED, ADJUSTMENT TO MODEL NUMBER WILL BE REQUIRED.
V. WATTAGE: 35W
VI. NODE TYPE: WIRELESS LIGHTING CONTROL NODE COMPATIBLE WITH TOWN'S SYSTEM (VENDOR - VERIZON), INCLUDING INTEGRATION INTO EXISTING ASSET MANAGEMENT SYSTEM.
VII. POLES LABELED ACCORDING TO NGRID REQUIREMENTS.
VIII. SPACING: TYPICALLY, 150 FEET SPACING STAGGERED, UNLESS ROADWAY ARRANGEMENTS REQUIRE OTHERWISE, SUCH AS INTERSECTIONS OR COL-DES-SACS. POLES SHOULD BE LOCATED CENTERED BETWEEN EDGE OF ROAD AND SIDEWALK OR NO MORE THAN 3FT FROM THE EDGE OF THE ROAD. POLES SHOULD BE NO LESS THAN 10FT AWAY FROM TREES, 5 FT FROM MAILBOXES, AND 3FT FROM THE EDGE OF DRIVEWAYS.
IX. POLE TYPE: 16' NEW DIRECT BURIED TAPERED ALUMINUM POLE WITH ACCESS DOOR IN BASE OF POLE
A.A. MANUFACTURER: HAPCO (RTA16BS) (OR APPROVED EQUAL)

B. ILLUMINATION LEVEL:
I. ALL STREET LIGHTING SHALL BE DESIGNED SO THAT THE LEVEL OF ILLUMINATION, AS MEASURED IN FOOTCANDLES AT ANY ONE POINT, MEETS THE STANDARDS SET BY THE LATEST VERSION OF AMERICAN NATIONAL STANDARD'S ROADWAY LIGHTING ANSI APPROVED SPECIFICATION.
II. MINIMUM AND MAXIMUM LEVELS ARE MEASURED ON THE PAVEMENT WITHIN THE LIGHTED AREA. AVERAGE LEVEL IS THE OVERALL, GENERALIZED AMBIENT LIGHT LEVEL, AND IS MEASURED AS A NOT-TO-EXCEED VALUE. THE AVERAGE LEVEL SHALL BE CALCULATED USING ONLY THE AREA OF THE SITE INTENDED TO RECEIVE ILLUMINATION.
III. STREET LIGHTING SHALL NOT BE ORIENTED SO AS TO DIRECT GLARE OR EXCESSIVE ILLUMINATION ONTO PRIVATE PROPERTY.
IV. SUBMIT PHOTOMETRIC MODELS TO THE TOWN FOR REVIEW AND APPROVAL..

C. REQUIREMENTS:
I. REFER TO NATIONAL GRID UNDERGROUND REQUIREMENTS
II. REFER TO OTHER APPLICABLE TOWN CODES

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.

SITE DATA (REZONED FROM SA TO R-3 ZONING)

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)

SITE LEGEND

PROPERTY LINE
PROPOSED CONCRETE CURB
PROPOSED SIDEWALK / CONCRETE PAD
PROPOSED SIGN
PROPOSED STANDARD DUTY ASPHALT PAVEMENT
PROPOSED LIGHT POLE

NOTE: BOUNDARY AND TOPOGRAPHIC INFORMATION PROVIDED BY OTHERS. CARMINA WOOD DESIGN ASSUMES NO RESPONSIBILITY FOR ITS ACCURACY.

40' 40 0 40 80Ft.

TOWN OF AMHERST APPROVAL BOX:

CARMINAWOOD

Single Family Subdivision

REVISIONS:		
No.	Description	Date
1	Rev. Per Town Comments	9/19/2024
2	Rev. Per Town Comments	10/24/2024

DRAWING NAME: Site Layout

Date: /29/25
Drawn By: C. Wood
Scale: As Noted

DRAWING NO.

PROJECT NO.

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge

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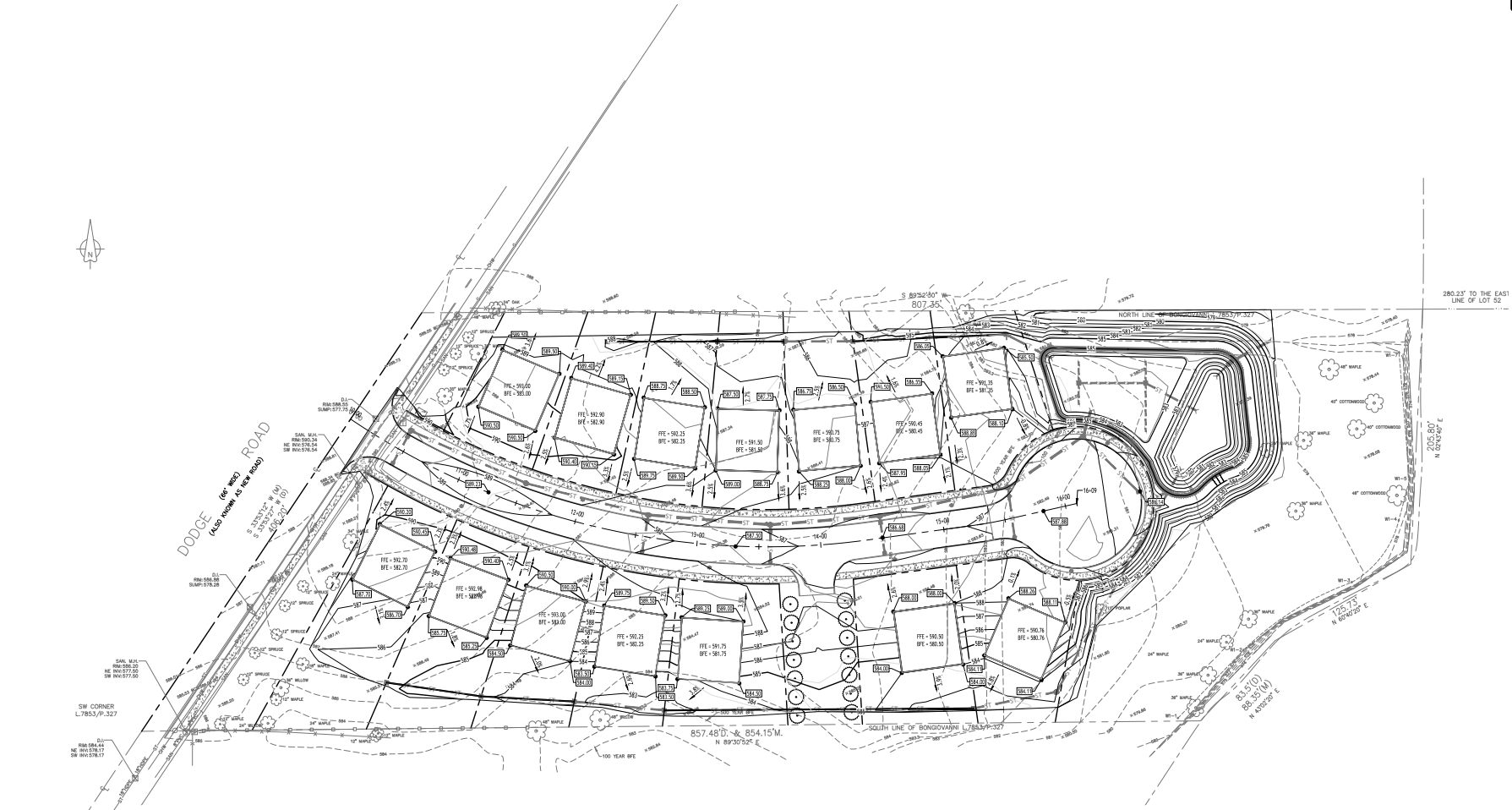

GRADING PLAN

SCALE: 1"=40'

PROPOSED GRADING LEGEND

PROPOSED CONTOUR	101
PROPOSED SPOT ELEVATION	100.80
PROPOSED TOP/BOTTOM OF CURB ELEV.	TC 100.50 BC 100.00
PROPOSED CATCH BASIN	CB
PROPOSED MANHOLE	MH
PAVEMENT/GROUND SLOPE	

NOTE: BOUNDARY AND TOPOGRAPHIC INFORMATION PROVIDED BY OTHERS, CARMINA WOOD DESIGN ASSUMES NO RESPONSIBILITY FOR ITS ACCURACY.

40 0 40 80FT.
40'

TOWN OF AMHERST APPROVAL BOX:

CARMINAWO

Single Family Subdivision

REVISIONS:

No.	Description	Date
1	Rev. Per Town Comments	9/19/2024
2	Rev. Per Town Comments	10/24/2024

DRAWING NA
Grading P

Date: /29/25
Drawn By: C. Wood
Scale: As Noted

DRAWING NO.

PROJECT NO.

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge

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NOTE: BOUNDARY AND TOPOGRAPHIC INFORMATION PROVIDED BY OTHERS. CARMINA WOOD DESIGN, D.P.C. ASSUMES NO RESPONSIBILITY FOR ITS ACCURACY.

HORIZ. 30' 15' 0' 30' 60ft.

VERT. 5' 0' 5' 10ft.

TOWN OF AMHERST APPROVAL BOX:

2.a

CARMINAWOOD

Single Family Subdivision

REVISIONS:		
No.	Description	Date
1	Rev. Per Town Comments	9/19/2024
2	Rev. Per Town Comments	10/24/2024

DRAWING NAME

Road Pro

Date: /29/25
Drawn By: C. Wood
Scale: As Noted

DRAWING NO.

PROJECT NO. 20.247

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge

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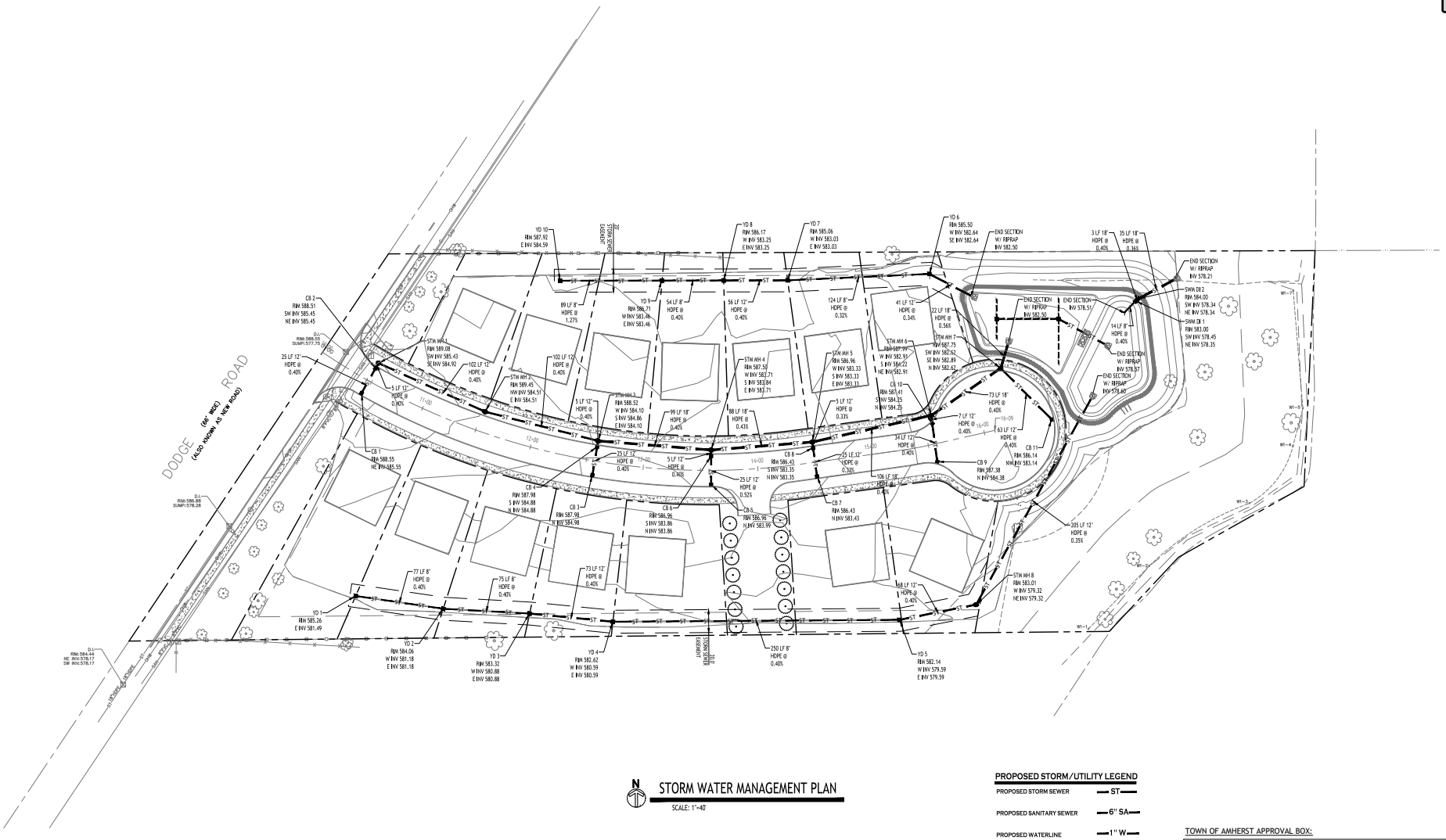

N

STORM WATER MANAGEMENT PLAN

SCALE: 1"=40'

PROPOSED STORM/UTILITY LEGEND

PROPOSED STORM SEWER	ST
PROPOSED SANITARY SEWER	6" SA
PROPOSED WATERLINE	1" W
PROPOSED CATCH BASIN	CB
PROPOSED MANHOLE	MH
PROPOSED GATE VALVE	GV

NOTE: FOR PROPOSED VALVE BOXES, CLEANOUTS, ETC., INSTALL A 3,000 PSI CONCRETE COLLAR AROUND THE ITEM AT GRADE. THE COLLAR SHALL BE A MINIMUM OF 6" WIDER, ON ALL SIDES, THAN THE BOX, CLEANOUT, ETC. THE COLLAR SHALL BE A MINIMUM OF 6" THICK.

NOTE: BOUNDARY AND TOPOGRAPHIC INFORMATION PROVIDED BY OTHERS. CARMINA WOOD DESIGN ASSUMES NO RESPONSIBILITY FOR ITS ACCURACY.

40' 40 0 40 80FT.

TOWN OF AMHERST APPROVAL BOX:

CARMINAWOOD

Single Family Subdivision

REVISIONS:		
No.	Description	Date
1	Rev. Per Town Comments	9/19/2024
2	Rev. Per Town Comments	10/24/2024

DRAWING NAME: Storm Water Management Plan

Date: /29/25
Drawn By: C. Wood
Scale: As Noted

DRAWING NO.

PROJECT NO.: 20.247

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge

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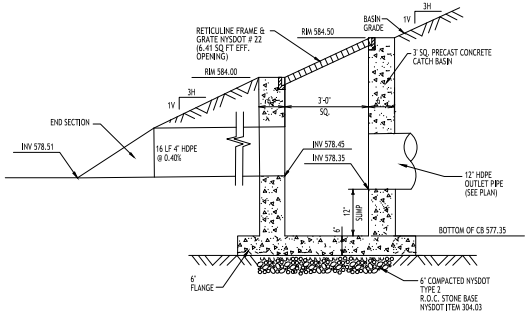
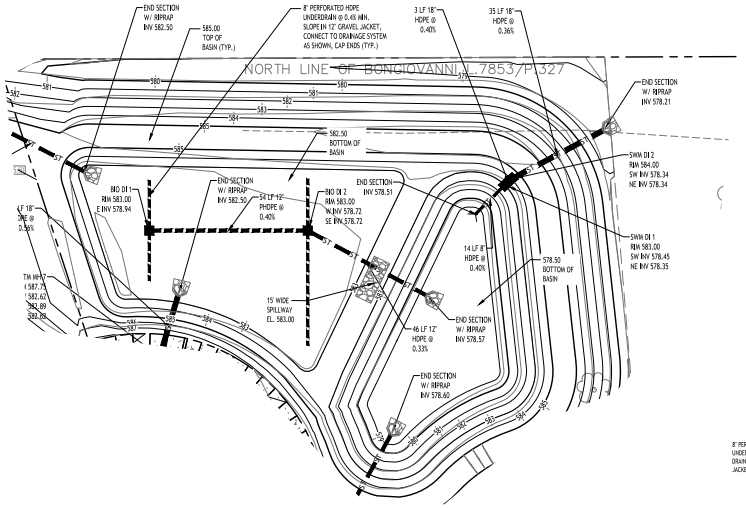


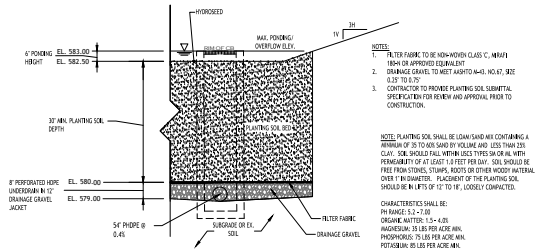
RETENTION BASIN OUTLET STRUCTURE - SWM DI 1

N.T.S.



Detention Basin Plan

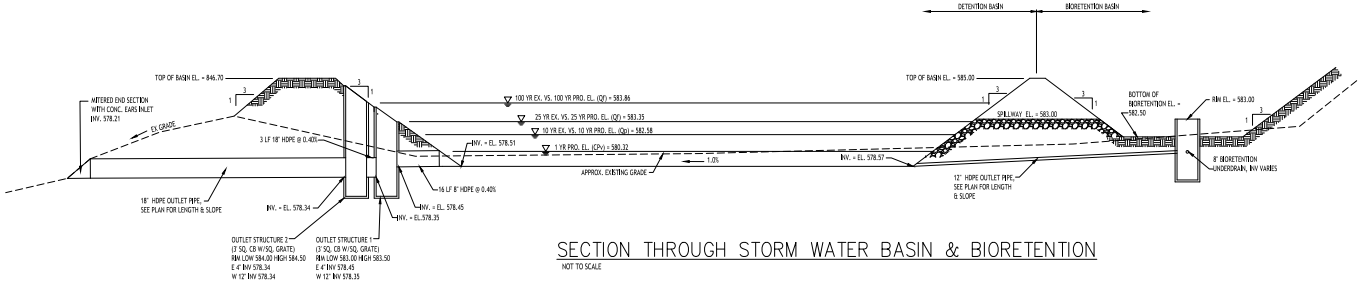
SCALE: 1"=20'



BIORETENTION AREA - TYPICAL SECTION

BIO-RETENTION AREA SEEDING SPEC (Northeast Wetland Grass Seed Mix):

Seed Mixture	Variety	Percent by No. of Seeds
Creeping Bentgrass	Agrostis stolonifera	63.0
Rough Bluegrass	Poa trivialis	17.0
Meadow Foxtail	Alopecurus aranditaceus	11.0
Annual Ryegrass	Lolium multiflorum	4.5
Beerlongue	Panicum clandestinum	4.5



SECTION THROUGH STORM WATER BASIN & BIORETENTION

NOT TO SCALE

NOTE: BOUNDARY AND TOPOGRAPHIC INFORMATION PROVIDED BY OTHERS, CARMINA WOOD MORRIS, D.P.C. ASSUMES NO RESPONSIBILITY FOR ITS ACCURACY.

20' 0 20 40FT.

TOWN OF AMHERST APPROVAL BOX:

2.a

CARMINA WOOD

Single Family Subdivision

REVISIONS:

No.	Description	Date
1	Rev. Per Town Comments	9/19/2024
2	Rev. Per Town Comments	10/24/2024

DRAWING NAME: Detention Plan

Date: /29/25
Drawn By: C. Wood
Scale: As Noted

DRAWING NO.

PROJECT NO.: 20.247

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge

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N

UTILITY PLAN

SCALE: 1"=40'

PROPOSED STORM/UTILITY LEGEND

PROPOSED STORM SEWER	ST
PROPOSED SANITARY SEWER	6" SA
PROPOSED WATERLINE	1" W
PROPOSED CATCH BASIN	CB
PROPOSED MANHOLE	MH
PROPOSED GATE VALVE	GV

NOTE: FOR PROPOSED VALVE BOXES, CLEANOUTS, ETC., INSTALL A 3,000 PSI CONCRETE COLLAR AROUND THE ITEM AT GRADE. THE COLLAR SHALL BE A MINIMUM OF 6" WIDER, ON ALL SIDES, THAN THE BOX, CLEANOUT, ETC. THE COLLAR SHALL BE A MINIMUM OF 6" THICK.

NOTE: BOUNDARY AND TOPOGRAPHIC INFORMATION PROVIDED BY OTHERS, CARMINA WOOD DESIGN ASSUMES NO RESPONSIBILITY FOR ITS ACCURACY.

40' 40 0 40 80Ft.

TOWN OF AMHERST APPROVAL BOX:

CARMINAWO

Single Family Subdivision

No.	Description	Date
1	Rev. Per Town Comments	9/19/2024
2	Rev. Per Town Comments	10/24/2024

REVISIONS:

DRAWING NA

Utility Pl

Date: /29/25
Drawn By: C. Wood
Scale: As Noted

DRAWING NO.

PROJECT NO.

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge

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PROFILE - ROAD A

SCALE: HORIZ. 1"=30'
VERT. 1"=5'

NOTE: BOUNDARY AND TOPOGRAPHIC INFORMATION PROVIDED BY OTHERS, CARMINA WOOD DESIGN, D.P.C. ASSUMES NO RESPONSIBILITY FOR ITS ACCURACY.

HORIZ. 30' 30 0 30 60Ft.

VERT. 5' 5 0 5 10Ft.

TOWN OF AMHERST APPROVAL BOX:

2.a

CARMINAWO

Single Family Subdivision

REVISIONS:

No.	Description	Date
1	Rev. Per Town Comments	9/19/2024
2	Rev. Per Town Comments	10/24/2024

DRAWING NAME:
Utility Ro
Profile

Date: /29/25
Drawn By: C. Wood
Scale: As Noted

DRAWING NO.

PROJECT NO: 20.247

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge

Packet Pg. 360

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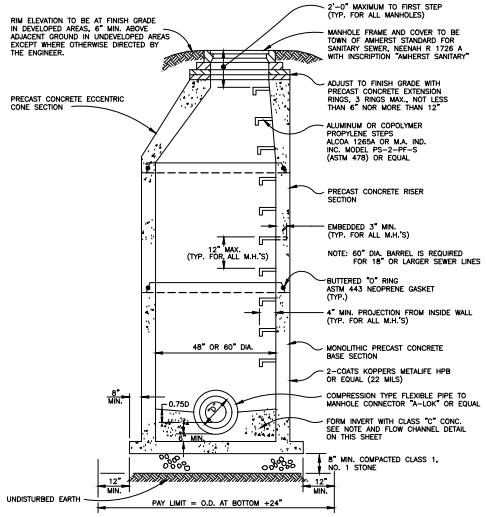
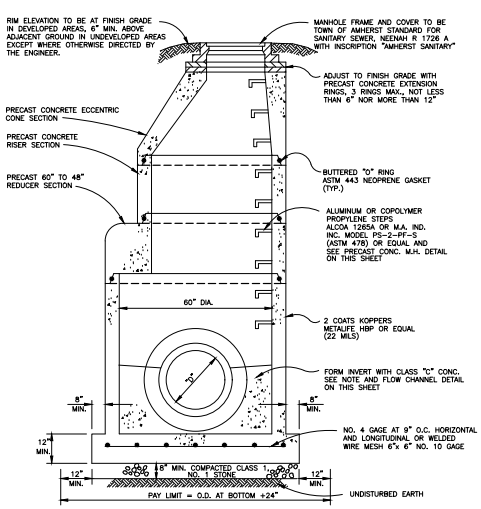
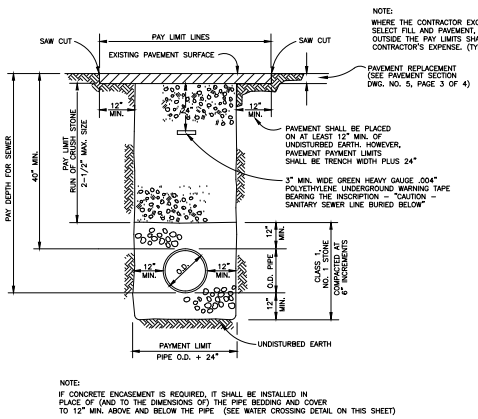


PRECAST CONCRETE MANHOLE
NOT TO SCALE

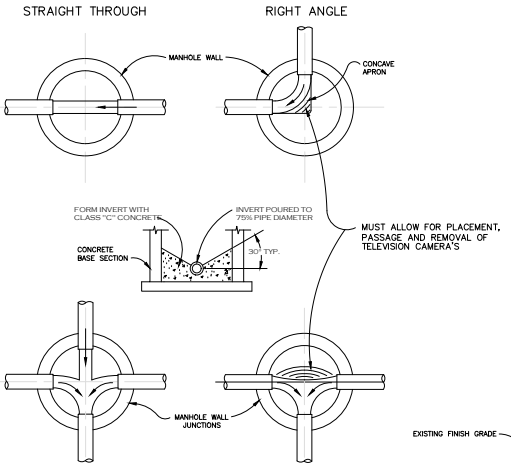


PRECAST CONCRETE MANHOLE
OVER EXISTING SEWER (18"–30" DIA.)
NOT TO SCALE



NOTE:
IF CONCRETE ENCASEMENT IS REQUIRED, IT SHALL BE INSTALLED IN PLACE OF (AND TO THE DIMENSIONS OF) THE PIPE BEDDING AND COVER TO 12" MIN. ABOVE AND BELOW THE PIPE (SEE WATER CROSSING DETAIL ON THIS SHEET)

TYPICAL TRENCH DETAIL – TOWN ROAD CROSSING
FOR MAIN SEWERS
& HOUSE AND BUILDING CONNECTIONS
NOT TO SCALE

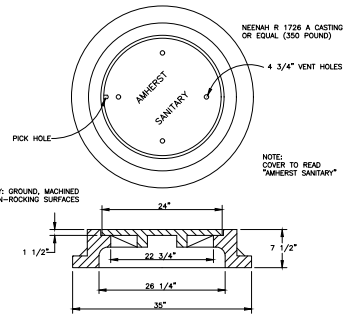


NOTE:
FLOW CHANNELS MUST ALLOW PLACEMENT, REMOVAL AND PASSAGE OF T.V. CAMERAS. THE CAMERA DIMENSIONS ARE APPROXIMATELY 26" LONG x 6 1/2" SQUARE. A BLOCK OF WOOD OF THESE DIMENSIONS MAY BE USED TO SIMULATE THE SIZE OF THE CAMERA. THIS WILL SIMPLIFY THE FORMATION OF FLOW CHANNELS AND INVERTS.

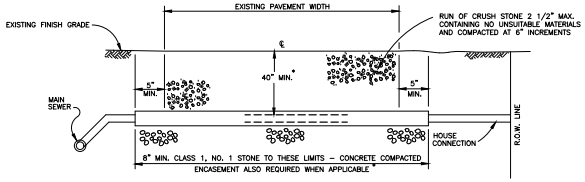
DEPTH OF ALL CHANNELS TO BE 75% OF PIPE DIAMETER.

FINISH ALL CHANNELS AT PROPER GRADE AS TO ALLOW SMOOTH & UN-OBSTRUCTED FLOW ALL INVERTS TO BE FLUSH WITH THE INSIDES.

FLOW CHANNEL DETAIL
SANITARY SEWERS
NOT TO SCALE

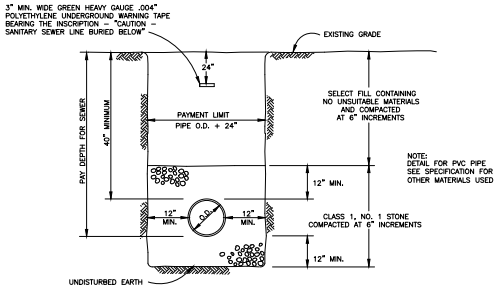


STANDARD MANHOLE FRAME AND COVER
VENTED COVER
NOT TO SCALE

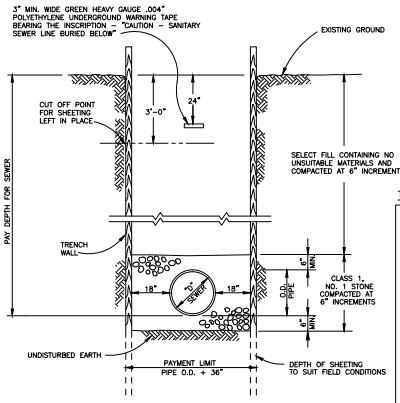


*WHEN DEPTH FROM TOP OF HOUSE CONNECTION PIPE TO SURFACE IS LESS THAN 6.0 FEET, A CONCRETE ENCASEMENT WILL BE REQUIRED TO THE LIMITS SHOWN (SEE WATER CROSSING DETAIL SAN. SEWERS DWG. #4 – PG. #2 OF 4)

SANITARY
TYPICAL PAVEMENT CROSSING
FOR HOUSE CONNECTION
NOT TO SCALE



TYPICAL EARTH TRENCH DETAIL
UNPAVED AND UNTRAVELED AREAS
NOT TO SCALE



SHEETED TRENCH DETAIL
NOT TO SCALE

TOWN OF AMHERST APPROVAL BOX:

2.a

CARMINAWO

Single Family Subdivision

REVISIONS:

No.	Description	Date
2	Rev. Per Town Comments	9/19/2024
1	Rev. Per Town Comments	10/24/2024

DRAWING NAME
Sanitary Details

Date: /29/25
Drawn By: C. Wood
Scale: As Noted

DRAWING NO.

PROJECT NO: 20.247

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge

Packet Pg. 361

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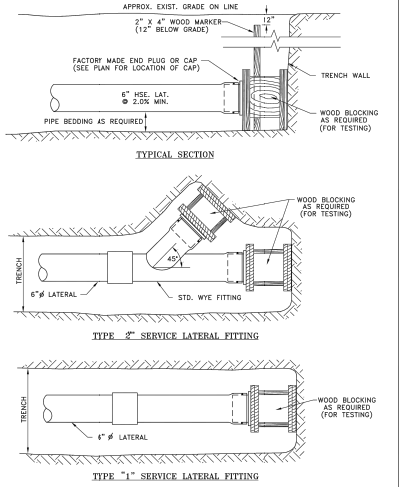
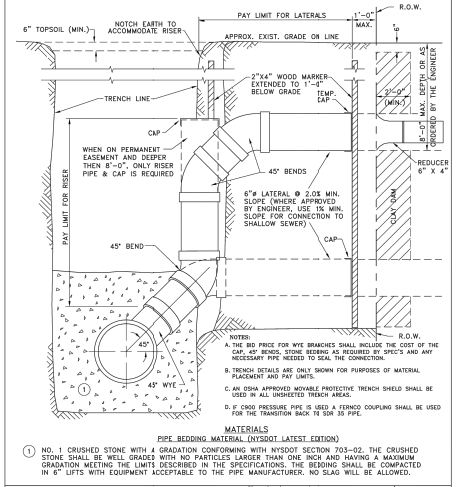
CAP & BLOCKING METHODS FOR AIR TESTING
(NOVEMBER 2023)



ERIE COUNTY
DEPT. OF ENVIRONMENT & PLANNING
DIVISION OF SEWERAGE MANAGEMENT

Rev. 1		STD.DETAIL
Rev. 2		26
File: D-26	Date: 3/1/91	

RISER DETAIL – SDR35
(MAIN LINE LATERAL CONNECTION)
(NOVEMBER 2023)

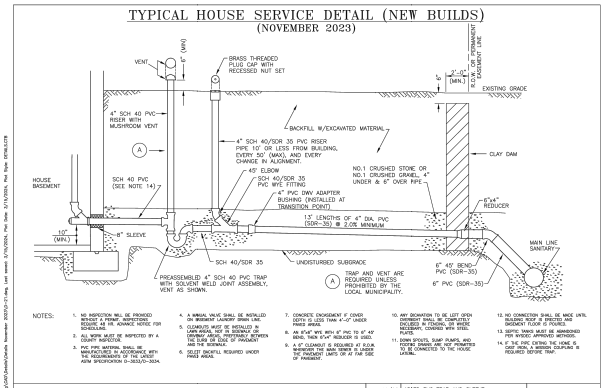


MATERIALS
PIPE BEDDING MATERIAL (NYSDOT LATEST EDITION)
① NO. 1 CRUSHED STONE WITH A GRADATION CONFORMING WITH NYSDOT SECTION 703-02. THE CRUSHED STONE SHALL BE WELL GRADED WITH NO PARTICLES LARGER THAN ONE INCH AND HAVING A MAXIMUM GRADATION MEETING THE LIMITS DESCRIBED IN THE SPECIFICATIONS. THE BEDDING SHALL BE COMPACTED IN 6" LIFTS WITH EQUIPMENT ACCEPTABLE TO THE PIPE MANUFACTURER. NO SLAG WILL BE ALLOWED.

ERIE COUNTY
DEPT. OF ENVIRONMENT & PLANNING
DIVISION OF SEWERAGE MANAGEMENT

Rev. 2 1/97	ADDED 1/8 BELL & SPIGOT LONG SWEEP BEND	STD.DETAIL
Rev. 3 12/01	ADDED NOTE D REGARDING LOCATION OF VENTS AND CLEAN OUTS	27
Rev. 4 5/02	CHANGED LONG SWEEP TO NORMAL 45° ADDED CAPS & CORRECTED PAY LIMITS	
File: D-27	Date: 3/1/91	

TYPICAL HOUSE SERVICE DETAIL (NEW BUILDS)
(NOVEMBER 2023)

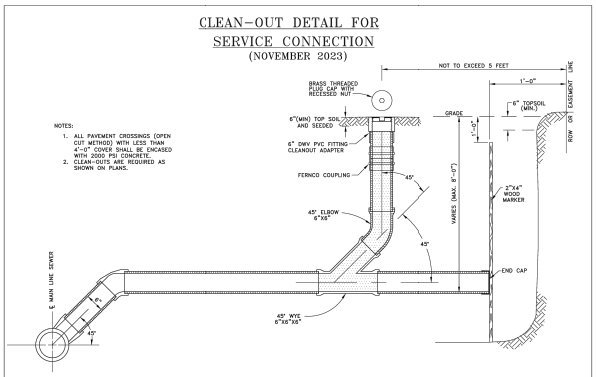


NOTES:
1. NO INSPECTION WILL BE PROVIDED WITHOUT A PRIOR, INSPECTION REQUEST AS PER ADVANCE NOTICE ITEM SECTION 1.
2. ALL WORK MUST BE INSPECTED BY A COUNTY INSPECTOR.
3. PVC PIPE MATERIAL SHALL BE SCHEDULE 40 PVC PIPE AND SHALL MEET THE REQUIREMENTS OF THE LATEST ASTM SPECIFICATION D-1653/D-3034.
4. A MANUAL VALVE SHALL BE INSTALLED ON BASEMENT LAUNDRY SPANN LINE.
5. CLEANOUTS MUST BE INSTALLED IN LAWN AREAS, NOT IN DRIVEWAY OR SIDEWALK AREAS, UNLESS APPROVED BY THE TOWN OR CITY OF THOROUGHWAY AND THE SIDEWALK.
6. SOLID BACKFILL REQUIRED UNDER PAVED AREAS.
7. CONCRETE ENCASEMENT 6" COVER DEPTH IS LESS THAN 4'-0" UNDER PAVED AREAS.
8. AN 6"x4" WYE WITH 6" PVC TO 6" 45° BEND, THEN 6"x4" REDUCER IS USED.
9. A 6" CLEANOUT IS REQUIRED AT R.O.W. OR PERMANENT EASEMENT LINE AND ONE PAVEMENT LAPS, OR AT THE SIDE OF PAVEMENT.
10. ANY DEVIATION TO BE LEFT OPEN OVERNIGHT SHALL BE COMPLETELY BACKFILLED OR COVERED WITH SECURELY FITTED STEEL PLATES.
11. SUMP SPOUTS, SUMP PUMPS, AND FOOTING DRAINS ARE NOT PERMITTED TO BE CONNECTED TO THE HOUSE LATERAL.
12. NO CONNECTION SHALL BE MADE UNTIL BUILDING ROOF IS DIRECTED AND SHINGLED FLOOR IS POURED.
13. SEPTIC TANKS MUST BE ABANDONED AT THE PROPERTY LINE.
14. 4" SCH 40 PVC FITTING TO HOME IS REQUIRED. A PRE-ASSEMBLED COUPLING IS REQUIRED BEFORE TRAP.

ERIE COUNTY
DEPT. OF ENVIRONMENT & PLANNING
DIVISION OF SEWERAGE MANAGEMENT

Rev. 11/08	ADDED PVC TRAP AND SLEEVE	STD. DETAIL
Rev. 01/12	REVISED 4" CAST IRON TRAP	21
Rev. 10/21	REMOVED VENT, RISER, AND TRAP ASSEMBLY	
Rev. 11/23	ADDED VENT, RISER, TRAP ASSEMBLY & ⑭	
Rev. 3/24	CHANGED VENT, RISER, TRAP TO SCH 40	
File: d-21	Date: 3/1/91	

CLEAN-OUT DETAIL FOR SERVICE CONNECTION
(NOVEMBER 2023)



NOTES:
1. ALL PAVEMENT CROSSINGS (OPEN CUT METHOD) WITH LESS THAN 4'-0" COVER SHALL BE ENCASED WITH 2000 PSI CONCRETE.
2. CLEAN-OUTS ARE REQUIRED AS SHOWN ON PLANS.

ERIE COUNTY
DEPT. OF ENVIRONMENT & PLANNING
DIVISION OF SEWERAGE MANAGEMENT

Rev. 11/84	CHANGED DIM LINE FOR MAX. DEPTH	STD. DETAIL
Rev. 2/5/97	ADDED NOTE 7	28
Rev. 3/5/02	CHANGED C.I. CAP TO BRASS	
Rev. 4/5/05	1" MIN. FROM EDGE OF WALK NOTE	
Rev. 5/1/12	CHANGED C.I. TO BRASS NOTES 1 & 3	
Rev. 9/5/24	REVISED NOTES & REMOVED CAST IRON	
File: D-28	Date: 3/1/91	

TOWN OF AMHERST APPROVAL BOX:

CARMINAWOOD

Single Family Subdivision

REVISIONS:

No.	Description	Date
1	Rev. Per Town Comments	9/19/2024
2	Rev. Per Town Comments	10/14/2024

DRAWING NAME
Sanitary Details

Date: /29/25
Drawn By: C. Wood
Scale: As Noted

DRAWING NO.

PROJECT NO: 20.147

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge

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SANITARY SEWER TESTING METHOD NOTES

(A) LEAKAGE TESTS

01. THE TEST PERIOD WHEREIN THE MEASUREMENTS ARE TAKEN SHALL NOT BE LESS THAN 24 HOURS, REGARDLESS OF THE TEST METHOD USED.

02. THE TOTAL LEAKAGE OF ANY SECTION TESTED BY ANY TEST METHOD SHALL NOT EXCEED THE RATE OF 200 GALLONS PER MILE OF PIPE PER 24 HOURS PER INCH OF NOMINAL PIPE DIAMETER.

03. MANHOLES SHALL BE CONSIDERED AS SECTIONS OF 48" DIAMETER PIPE AND THE EQUIVALENT LEAKAGE ALLOWANCE SHALL BE COMPUTED PER NOTE 02 USING THE SUBMERGED HEIGHT OF MANHOLE AS THE LENGTH.

04. WHEN MANHOLES ARE TESTED SEPARATELY, ALL PIPE OPENINGS SHALL BE PLUGGED AND THE TEST PROCEDURES AND CRITERIA SHALL BE APPLIED IN THE SAME MANNER AS FOR TESTS INVOLVING ONLY THE PIPE OR A COMBINATION OF PIPE AND MANHOLES.

(B) INFILTRATION TEST CRITERIA FOR USE

01. THIS TEST METHOD MAY ONLY BE USED WHEN GROUND WATER LEVELS ARE AT LEAST TWO (2) FEET ABOVE THE TOP OF THE PIPE FOR THE ENTIRE LENGTH OF THE SECTION TO BE TESTED DURING THE ENTIRE PERIOD OF THE TESTS.

02. GROUND WATER LEVELS MAY BE MEASURED IN AN OPEN TRENCH OR IN STANDPIPES PREVIOUSLY PLACED IN BACKFILLED TRENCHES DURING BACKFILLING.

03. THE NUMBER OF STANDPIPES REQUIRED AND LOCATION OF THE SAME ARE TO BE AS ORDERED BY THE ENGINEER. STANDPIPES MAY BE OF ANY PIPE MATERIAL BUT MUST BE OF SUCH DIAMETER (2-1/2" MINIMUM) AS TO PERMIT THE INSERTION OF A RULE OR LEVEL ROD. CRUSHED STONE SHALL BE PLACED AROUND THE LOWER OPEN ENDS OF THE STANDPIPES.

04. STANDPIPES ARE TO BE REMOVED AT THE SATISFACTORY COMPLETION OF THE TESTS.

05. IF IN LIEU OF STANDPIPES, THE TRENCH IS TO BE LEFT OPEN FOR GROUND WATER OBSERVATION, THE LENGTH OF UNBACKFILLED TRENCH AT ANY ONE TIME MAY HAVE TO BE LIMITED FOR REASONS OF SAFETY.

(C) EXFILTRATION TEST CRITERIA FOR USE

01. THIS TEST CONSISTS OF FILLING THE PIPE WITH WATER TO PROVIDE A HEAD OF AT LEAST TWO (2) FEET ABOVE THE TOP OF THE PIPE OR ABOVE GROUND WATER WHICHEVER IS HIGHER AT THE HIGHEST POINT OF THE PIPE LINE UNDER TEST, AND THEN MEASURING THE LOSS OF WATER TO MAINTAIN THE ORIGINAL LEVEL.

02. IN THIS TEST THE PIPE LINE MUST BE FILLED WITH WATER AND ALLOWED TO REMAIN SO FILLED FOR AT LEAST 24 HOURS PRIOR TO TAKING MEASUREMENTS.

03. REGARDING GROUND WATER MEASUREMENTS: SEE NOTES 02 THROUGH 05 ABOVE.

04. REGARDING THE TEST STANDPIPE: THERE MUST BE SOME POSITIVE METHOD OF RELEASING ENTRAPPED AIR IN THE SEWER PRIOR TO TAKING MEASUREMENTS.

(D) DEFLECTION TEST FOR PVC SEWER PIPE

01. DEFLECTION TESTS SHALL BE PERFORMED ON ALL FLEXIBLE GRAVITY SEWER PIPE. TESTS SHALL BE CONDUCTED AFTER THE FINAL BACKFILL HAS BEEN IN PLACE FOR AT LEAST 30 DAYS.

02. NO PIPE SHALL EXCEED DEFLECTION OF 5%. DEFLECTION GAGE MAY BE BORROWED FROM THE TOWN ENGINEER FOR 8" AND 10" PIPE. THE DEFLECTION TEST MUST BE EXECUTED AFTER 30 DAYS OF PLACEMENT OF FINAL BACKFILL. THE TEST WILL ALSO BE DONE WITHOUT MECHANICAL PULLING DEVICES.

MANHOLE PLACEMENT AND MAINTENANCE
DURING CONSTRUCTION AND DEVELOPMENT

CONTRACTOR AND/OR DEVELOPERS SHALL CONSTRUCT ALL MANHOLE STRUCTURES IN ACCORDANCE WITH THE TOWN OF AMHERST STANDARD SPECIFICATIONS OR THE SPECIFICATIONS OF THE DESIGN ENGINEER WHEN REQUIRED BY THE TOWN.

ALL MANHOLES ARE TO BE DESIGNED AND FURNISHED WITH RIM ELEVATIONS AT FINAL FINISHED GRADES. THE CONTRACTOR, DEVELOPER, OR HOME BUILDER SHALL BE RESPONSIBLE FOR ALL CORRECTIONS, ADJUSTMENTS, AND MODIFICATIONS NEEDED FOR RAISING, LOWERING, OR REPLACING ANY AND ALL MANHOLES AS PROPOSED FOR THE FACILITY.

ALL AS-BUILT STATIONING, LINE AND GRADE IMPROVEMENTS, INVERT AND RIM ELEVATIONS, "Y" LOCATIONS, INSPECTION REPORTS, ROADWAY OR STREET NAMES, RIGHT-OF-WAY WIDTHS, AND EASEMENT LINES SHALL BE FURNISHED TO THE TOWN ON A SET OF MYLAR DRAWINGS PRIOR TO TAP-IN APPROVAL, PIP ACCEPTANCE, AND/OR RELEASE OF FINAL PAYMENT.

ALL MANHOLE STRUCTURES SHALL BE MADE ACCESSIBLE TO THE TOWN OF AMHERST TELEVISION/MAINTENANCE CREWS. THE CONTRACTOR AND/OR DEVELOPER SHALL PROVIDE A DRY, WELL COMPACTED, STABLE SURFACE FREE FROM SHOW AND OBSTRUCTIONS FOR SAFE AND OPEN ACCESS WITH TOWN VEHICLES. SHOULD THE CONTRACTOR AND/OR DEVELOPER WISH TV INSPECTIONS DURING WET WEATHER/WET SOFT SOIL CONDITIONS, HE SHALL PROVIDE ALL NECESSARY GRANULAR BACKFILL, DISTRIBUTED AND COMPACTED TO SUPPLY ACCESS TO EACH MANHOLE. THE CONTRACTOR AND/OR DEVELOPER SHALL BEAR ALL COSTS OF TOWING, DOWN TIME, CREW TIME, AND DAMAGE ALONG WITH RESTORATION, SHOULD SUCH ACCESSWAYS FAIL.

SANITARY SEWER NOTES:

01. THE CONTRACTOR SHALL COMPLY WITH THE TOWN OF AMHERST STANDARD DRAWINGS AND SPECIFICATIONS.

02. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE PROJECT ENGINEER AND THE TOWN OF AMHERST ENG. DEPT. OF ANY HAZARDOUS SUBSTANCE ENCOUNTERED DURING THE CONSTRUCTION OF THE WORK. HE SHALL AT HIS EXPENSE, CONFORM TO ALL LAWS, RULES, REGULATIONS AND DIRECTIONS AS PROMULGATED BY THE UNITED STATES DEPARTMENT OF LABOR, OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION, THE NEW YORK STATE DEPARTMENT OF HEALTH AND ANY SUCH LOCAL RULES, ORDINANCES AND LAWS WHEN ENCOUNTERING OR WORKING WITH ANY SUCH HAZARDOUS SUBSTANCE.

03. THE CONTRACTOR SHALL COMPLY IN ALL RESPECTS TO THE INDUSTRIAL CODE PART (RULE NO.) 53 RELATING TO CONSTRUCTION, EXCAVATION AND DEMOLITION OPERATIONS AT OR NEAR UNDERGROUND FACILITIES, AS ISSUED BY THE STATE OF NEW YORK DEPARTMENT OF LABOR, BOARD OF STANDARD AND APPEALS.

04. SINCE THE ERIE COUNTY WATER AUTHORITY OPERATES AND MAINTAINS THE EXISTING WATER LINES, THEY ARE TO BE NOTIFIED AT LEAST 48 HOURS IN ADVANCE OF THE START OF CONSTRUCTION. ALL EXISTING VALVES ARE TO BE OPERATED BY THE ERIE COUNTY WATER AUTHORITY PERSONNEL.

05. THE CONTRACTOR SHALL EXPOSE EXISTING UTILITIES AHEAD OF THE PIPE LAYING OPERATION, SO THAT, IF MINOR ADJUSTMENTS MUST BE MADE IN ELEVATION AND/OR ALIGNMENT DUE TO INTERFERENCE FROM THESE UTILITIES, SAID CHANGES CAN BE MADE IN ADVANCE OF THE WORK.

06. WHERE SUCH FACILITIES ARE UNDER THE SUPERVISION OF A PROFESSIONAL ENGINEER, HE SHALL CERTIFY TO THE ENGINEERING DEPARTMENT OF THE TOWN OF AMHERST THAT SAID FACILITIES AS CONSTRUCTED WERE SUPERVISED BY HIMSELF (HERSELF) AND THAT THE WORKS HAVE BEEN FULLY COMPLETED IN ACCORDANCE WITH THE APPROVED ENGINEERING REPORTS, PLANS, SPECIFICATIONS, CONTRACT DOCUMENTS AND ANY AND ALL ADDENDA TO SAME.

07. THE CONSTRUCTION OF THE FACILITIES SHALL BE UNDER THE SUPERVISION OF A PERSON OR FIRM QUALIFIED TO PRACTICE PROFESSIONAL ENGINEERING IN NEW YORK STATE UNDER THE EDUCATION LAW OF THE STATE, WHENEVER ENGINEERING SERVICES ARE REQUIRED BY SUCH LAW FOR SUCH PURPOSES.

08. A WRITTEN CERTIFICATE OF CONSTRUCTION COMPLIANCE, INCLUDING THE RESULTS OF HYDROSTATIC LEAKAGE TESTS, MADE BY THE PROFESSIONAL ENGINEER SUPERVISING THE CONSTRUCTION, SHALL BE SUBMITTED TO THE ERIE COUNTY DEPART. OF ENVIRONMENT PLANNING AND NEW YORK DEPARTMENT OF ENVIRONMENTAL CONSERVATION WITHIN THIRTY (30) DAYS AFTER CONSTRUCTION COMPLETION.

09. UNSUITABLE MATERIALS SUCH AS FROZEN ORGANIC AND/OR VEGETABLE MATERIAL, DEBRIS, TREES, LUMBER, LARGE STONES OR CLODS (6.0" OR LARGER), MUCK, PEAT, ORGANIC SILT WILL NOT BE ACCEPTABLE FILL AND CERTAIN MAN-MADE DEPOSITS OF INDUSTRIAL WASTE, SLUDGE OR LANDFILL MAY ALSO BE DETERMINED AS UNSUITABLE HAZARDOUS MATERIAL.

10. THE COMPACTION OF ALL MATERIALS WILL OCCUR AT 6" INCREMENTS.

11. VERIFICATION OF ALL EXISTING EASEMENTS IS THE RESPONSIBILITY OF THE DESIGN ENGINEER AND THEY MUST BE SHOWN ALONG WITH ALL PROPOSED EASEMENTS ON PLAN DRAWINGS.

12. SHOULD A FLUID CONDITION BE ENCOUNTERED AT THE TRENCH BOTTOM, THE CONTRACTOR IS TO INSTALL ADDITIONAL STONE CRADLE AS ORDERED BY THE ENGINEER.

13. ALL PIPE CROSSING UNDER PAVED AREAS ARE TO BE BACKFILLED TO SUBGRADE WITH COMPACTED SELECT MATERIAL TO FIVE (5) FEET OUTSIDE THE PAVEMENT EDGES.

14. THE CONTRACTOR SHALL RETAIN THE SERVICES OF A QUALIFIED TREE EXPERT TO REMOVE, WHERE NECESSARY, BRANCHES WHICH INTERFERE WITH THE CONSTRUCTION OPERATION, OR REPAIR TREES HAVING SUFFERED DAMAGE BY CONSTRUCTION ACTIVITIES. THE COST INVOLVED IN THE ABOVE IS TO BE INCLUDED IN THE VARIOUS ITEMS OF THE CONTRACT.

15. SEWERS SHALL BE LAID AT LEAST TEN (10) FEET HORIZONTALLY FROM ANY EXISTING OR PROPOSED WATERMAIN. THE DISTANCE SHALL BE MEASURED EDGE TO EDGE. IN CASES WHERE IT IS NOT PRACTICAL TO MAINTAIN A TEN FOOT SEPARATION, THE APPROPRIATE REVIEWING AGENCY MAY ALLOW DEVIATION ON A CASE-BY-CASE BASIS, IF SUPPORTED BY DATA FROM THE DESIGN ENGINEER. SUCH DEVIATION MAY ALLOW INSTALLATION OF THE SEWER CLOSER TO A WATERMAIN, PROVIDED THAT THE WATERMAIN IS IN A SEPARATE TRENCH OR ON AN UNDISTURBED EARTH SHELF LOCATED ON ONE SIDE OF THE SEWER AND AT AN ELEVATION SO THE BOTTOM OF THE WATERMAIN IS AT LEAST 18" (46CM) ABOVE THE TOP OF THE SEWER.

16. SEWERS CROSSING WATERMAINS SHALL BE LAID TO PROVIDE MINIMUM VERTICAL DISTANCE OF 18" (46CM) BETWEEN THE OUTSIDE OF A WATERMAIN AND THE OUTSIDE OF THE SEWER. THIS SHALL BE THE CASE WHERE THE WATERMAIN IS EITHER ABOVE OR BELOW THE SEWER. THE CROSSING SHALL BE ARRANGED SO THAT THE SEWER JOINTS WILL BE EQUIDISTANT AND AS FAR AS POSSIBLE FROM THE WATERMAIN JOINTS. WHERE A WATERMAIN CROSSES UNDER A SEWER, ADEQUATE STRUCTURAL SUPPORT SHALL BE PROVIDED FOR THE SEWER, TO PREVENT DAMAGE TO THE WATERMAIN.

17. WHEN IT IS IMPOSSIBLE TO OBTAIN PROPER HORIZONTAL AND VERTICAL SEPARATION AS STIPULATED ABOVE, THE SEWER SHALL BE DESIGNED AND CONSTRUCTED EQUAL TO WATER PIPE AND SHALL BE PRESSURE TESTED AS TO ASSURE WATERTIGHTNESS PRIOR TO BACKFILLING.

18. THE PIPE SHALL BE P.V.C. SEWER PIPE CONFORMING TO THE LATEST REVISIONS OF ASTM DESIGNATION D-3034, SDR-35, INSTALLED IN ACCORDANCE WITH ASTM.

19. THE MANHOLE COVERS ARE TO BEAR THE INSCRIPTION "AMHERST SANITARY".

TOWN OF AMHERST APPROVAL BOX:

2.a

CARMINA WOOD DESIGN

Single Family Subdivision

REVISIONS:

No.	Description	Date
1	Rev. Per Town Comments	9/19/2024
2	Rev. Per Town Comments	10/24/2024

DRAWING NAME: Sanitary Notes

Date: /29/25
Drawn By: C. Wood
Scale: As Noted

DRAWING NO.

PROJECT NO.

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge

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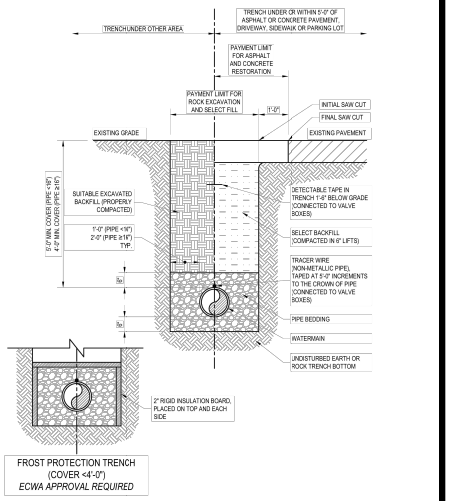
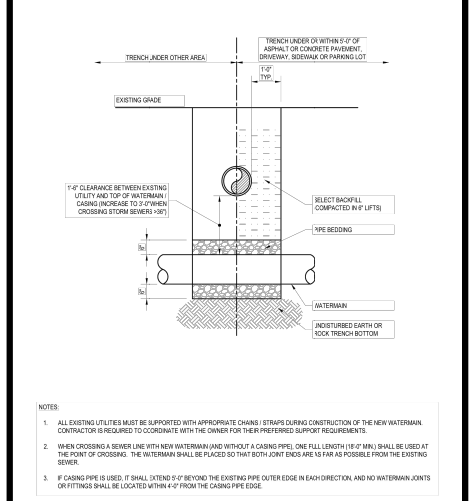


TYPICAL TRENCH DETAIL
SCALE: NTS

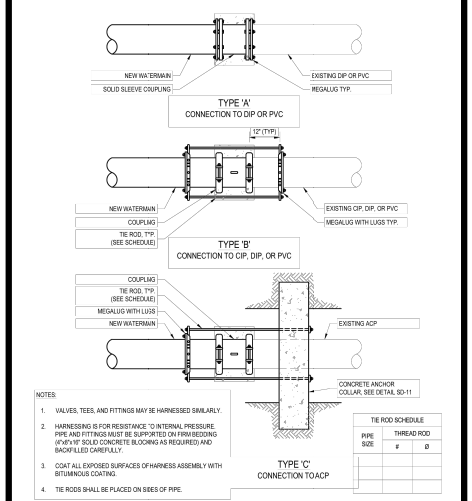
Revision: 2024-01
Detail: SD-01



NOTES:
1. ALL EXISTING UTILITIES MUST BE SUPPORTED WITH APPROPRIATE CHAINS / STRAPS DURING CONSTRUCTION OF THE NEW WATERMAIN. CONTRACTOR IS REQUIRED TO COORDINATE WITH THE OWNER FOR THEIR PREFERRED SUPPORT REQUIREMENTS.
2. WHEN CROSSING A SEWER LINE WITH NEW WATERMAIN (AND WITHOUT A CASING PIPE), ONE FULL LENGTH (18'-0" MIN.) SHALL BE USED AT THE POINT OF CROSSING. THE WATERMAIN SHALL BE PLACED SO THAT BOTH JOINT ENDS ARE AS FAR AS POSSIBLE FROM THE EXISTING SEWER.
3. IF CASING PIPE IS USED, IT SHALL EXTEND 5'-0" BEYOND THE EXISTING PIPE OUTER EDGE IN EACH DIRECTION, AND NO WATERMAIN JOINTS OR FITTINGS SHALL BE LOCATED WITHIN 4'-0" FROM THE CASING PIPE EDGE

PIPE CROSSING DETAIL
SCALE: NTS

Revision: 2024-01
Detail: SD-02



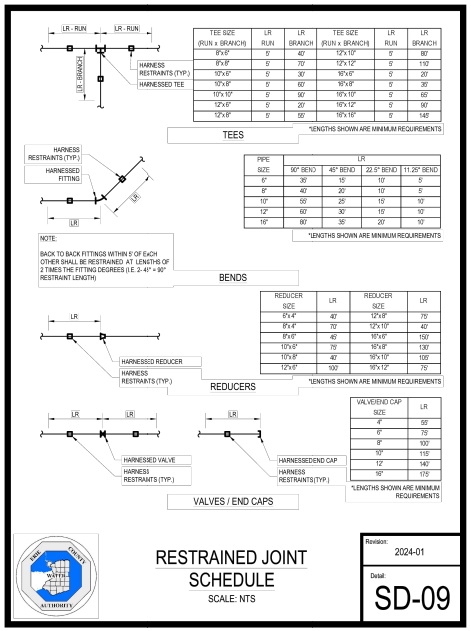
NOTES:
1. VALVES, TEES, AND FITTINGS MAY BE HARNESSED SIMILARLY.
2. HARNESSING IS FOR RESISTANCE TO INTERNAL PRESSURE. PIPE AND FITTINGS MUST BE SUPPORTED ON FIRM BEDDING (4"x8"x16" SOLID CONCRETE BLOCKING AS REQUIRED) AND BACKFILLED CAREFULLY.
3. COAT ALL EXPOSED SURFACES OF HARNESS ASSEMBLY WITH BITUMINOUS COATING.
4. TIE RODS SHALL BE PLACED ON SIDES OF PIPE.

TIE ROD SCHEDULE

PIPE SIZE	THREAD ROD	
	#	Ø

TYPICAL CONNECTION TO EXISTING WATERMAIN
SCALE: NTS

Revision: 2024-01
Detail: SD-08



TEE SIZE (RUN x BRANCH)	LR RUN	LR BRANCH	TEE SIZE (RUN x BRANCH)	LR RUN	LR BRANCH
8"x8"	5'	40'	12"x12"	5'	80'
8"x6"	5'	70'	12"x12"	5'	110'
10"x6"	5'	30'	16"x16"	5'	20'
10"x8"	5'	60'	16"x8"	5'	35'
10"x10"	5'	90'	16"x10"	5'	65'
12"x6"	5'	20'	16"x12"	5'	90'
12"x8"	5'	55'	16"x16"	5'	145'

*LENGTHS SHOWN ARE MINIMUM REQUIREMENTS

TEES

PIPE SIZE	LR 90° BEND	45° BEND	22.5° BEND	11.25° BEND
6"	30'	15'	10'	5'
8"	40'	20'	10'	5'
10"	50'	25'	15'	10'
12"	60'	30'	15'	10'
16"	80'	35'	20'	10'

*LENGTHS SHOWN ARE MINIMUM REQUIREMENTS

NOTE:
BACK TO BACK FITTINGS WITHIN 5' OF EACH OTHER SHALL BE RESTRAINED AT LENGTHS OF 2 TIMES THE FITTING DEGREES (I.E. 2x 45° = 90° RESTRAINT LENGTH)

BENDS

REDUCER SIZE	LR	REDUCER SIZE	LR
6"x 4"	40'	12"x8"	75'
8"x 4"	70'	12"x 10"	40'
8"x6"	40'	16"x6"	150'
10"x 6"	75'	16"x8"	130'
10"x 8"	40'	16"x 10"	105'
12"x6"	100'	16"x 12"	75'

*LENGTHS SHOWN ARE MINIMUM REQUIREMENTS

REDUCERS

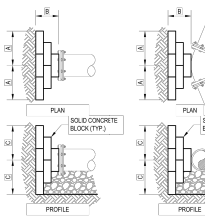
VALVE/END CAP SIZE	LR
4"	55'
6"	75'
8"	100'
10"	115'
12"	140'
16"	175'

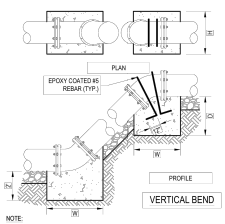
*LENGTHS SHOWN ARE MINIMUM REQUIREMENTS

VALVES / END CAPS

RESTRAINED JOINT SCHEDULE
SCALE: NTS

Revision: 2024-01
Detail: SD-09





PIPE SIZE	90° BEND, TEE, OR DEAD END A	B	C	45° BEND A	B	C
6"	1.5'	1.0'	0.9'	0.75'	1.0'	0.5'
8"	1.5'	1.0'	0.75'	1.5'	1.0'	0.5'
10"	1.5'	1.5'	1.0'	1.5'	1.5'	0.75'
12"	2.0'	2.0'	1.0'	1.75'	1.75'	0.75'

PIPE SIZE	22.5° BEND A	B	C	11.25° BEND A	B	C
6"	0.5'	1.0'	0.5	0.5'	1.0'	0.5
8"	0.75'	1.0'	0.5'	0.5'	1.0'	0.5'
10"	1.0'	1.5'	0.75'	1.0'	1.0'	0.75'
12"	1.25'	1.75'	0.75'	1.25'	1.25'	0.75'

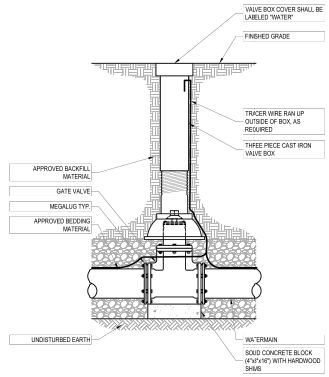
PIPE SIZE	VERTICAL BEND UP D	H	W	VERTICAL BEND DOWN D	H	W
6"	2.0'	5.0'	3.0'	3.5'	3.5'	3.0'
8"	2.0'	6.0'	4.0'	4.5'	4.5'	4.0'
10"	2.0'	6.25'	4.5'	4.75'	4.75'	4.5'
12"	2.0'	6.5'	5.0'	5.0'	5.0'	5.0'

*LENGTHS SHOWN ARE MINIMUM REQUIREMENTS

NOTE:
FULL CONCRETE THRUST BLOCKS AS SHOWN ARE REQUIRED WHEN THRUST RESTRAINT IS NOT PROVIDED BY OTHER MEANS SUCH AS MJ RESTRAINTS

THRUST BLOCKS
SCALE: NTS

Revision: 2024-01
Detail: SD-10



NOTES:
1. VALVE SHALL NOT SUPPORT VALVE BOX.
2. GATE VALVE SHALL BE INSTALLED LEVEL AND VERTICALLY PLUMB.
3. VALVE BOX SHALL BE PLUMB TO GRADE, WITH OPERATING NUT CENTERED IN BOX.

GATE VALVE SETTING
SCALE: NTS

Revision: 2024-01
Detail: SD-12

TOWN OF AMHERST APPROVAL BOX:

CARMINAWO
Single Family Subdivision

REVISIONS:

No.	Description	Date
1	Rev. Per Town Comments	9/19/2024
2	Rev. Per Town Comments	10/24/2024

DRAWING NA
Water De

Date: /29/25
Drawn By: C. Wood
Scale: As Noted
DRAWING NO.

PROJECT NO.: 20.147

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge

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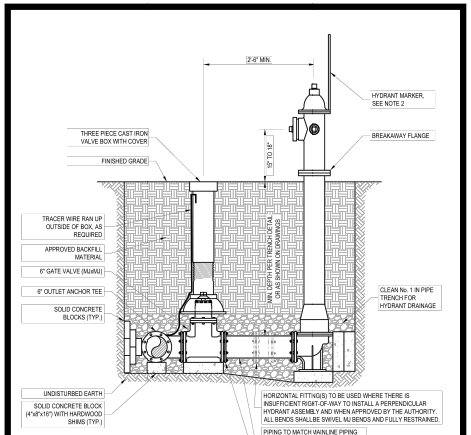
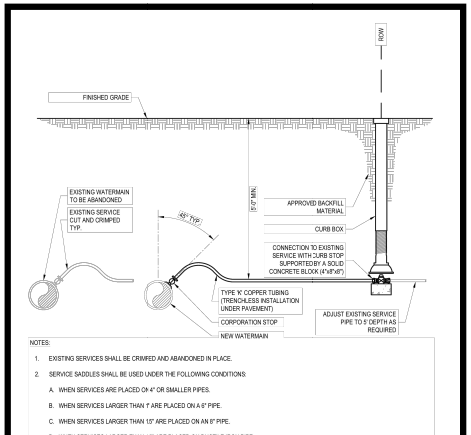


NOTES:

1. HYDRANT RISER SHALL BE INSTALLED PLUMB
2. FOR WATERMAIN REPLACEMENT PROJECTS, RELOCATE EXISTING MARKERS TO NEW HYDRANTS. MUNICIPALITY SHALL BE RESPONSIBLE TO PROVIDE ANY NEW HYDRANT MARKERS AS NEEDED. CONTRACTOR TO COORDINATE WITH ALL MUNICIPALITIES AND FIRE DISTRICTS.
3. HYDRANT FACE TO BE A MINIMUM OF 3'-0" FROM THE BACK FACE OF ALL CURBS OR A MINIMUM OF 5'-0" FROM ALL EDGE OF PAVEMENT.

HYDRANT ASSEMBLY INSTALLATION
SCALE: NTS

Revision: 2024-01
Detail: SD-16

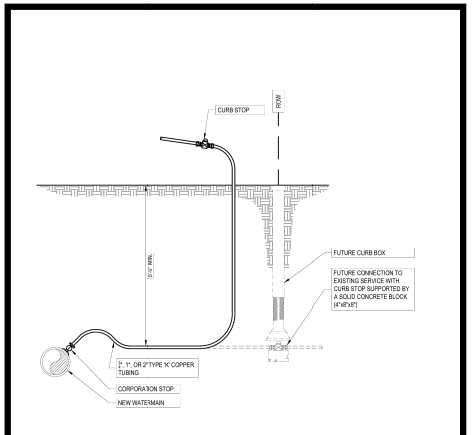


NOTES:

1. EXISTING SERVICES SHALL BE CRIMPED AND ABANDONED IN PLACE.
2. SERVICE SADDLES SHALL BE USED UNDER THE FOLLOWING CONDITIONS:
   A. WHEN SERVICES ARE PLACED ON 4" OR SMALLER PIPES.
   B. WHEN SERVICES LARGER THAN 1" ARE PLACED ON A 6" PIPE.
   C. WHEN SERVICES LARGER THAN 1.5" ARE PLACED ON AN 8" PIPE.
   D. WHEN SERVICES LARGER THAN 1.5" ARE PLACED ON DUCTILE IRON PIPE.
   E. WHEN TAPPING ALL NON-METALLIC PIPE (ACP, PVC, OR HDPE)
3. CURB BOXES SHALL NOT BE PLACED IN SIDEWALKS, DRIVEWAYS, OR CURB RAMPS.
4. USE POLYETHYLENE TUBING FOR ¾" AND 1" SERVICES GREATER THAN 100' IN LENGTH AND FOR 1.5" AND 2" SERVICES GREATER THAN 60' IN LENGTH. ALL POLYETHYLENE SERVICES SHALL INCLUDE A TRACER WIRE FOR DETECTION BY ECWA FORCES.
5. UNIONS ON COPPER TUBING ARE NOT ALLOWED UNLESS APPROVED BY ECWA PRIOR TO INSTALLATION.

SERVICE REPLACEMENT / INSTALLATION
SCALE: NTS

Revision: 2024-01
Detail: SD-20



NOTES:

1. AFTER COMPLETION OF TESTING, THE SAMPLE POINT SHALL BE UTILIZED FOR A SERVICE CONNECTION. IF UNABLE TO UTILIZE FOR A SERVICE REPLACE THE CORPORATION STOP IN PIPE WITH A THREADED BRASS PLUG.

TEMPORARY BLOW-OFF / SAMPLING POINT
SCALE: NTS

Revision: 2024-01
Detail: SD-30

TOWN OF AMHERST APPROVAL BOX:

CARMINAWO

Single Family Subdivision

REVISIONS:

No.	Description	Date
1	Rev. Per Town Comments	9/19/2024
2	Rev. Per Town Comments	10/24/2024

DRAWING NA
Water De

Date: /29/25
Drawn By: C. Wood
Scale: As Noted
DRAWING NO.

PROJECT NO. 20.247

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge

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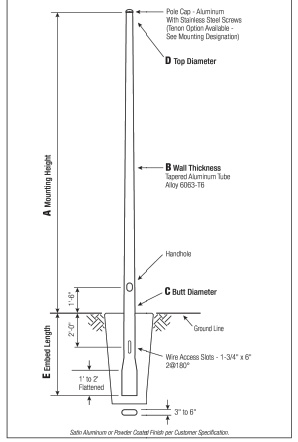
RTA

Round Tapered Aluminum Pole
No Arm — Direct Buried



Satin Aluminum or Powder Coated Finish per Customer Specification.

C Butt Dia.	D Top Dia.	E Embed
5	3	3'
6	4.5	4'
7	4.5	5'
8	4.5	5'
9	4.5	6'
10	6	6'

C and D Dimensions in Inches

Pole

The pole shaft will be constructed of seamless extruded tube of 6063 Aluminum Alloy per the requirements of ASTM B221. The shaft assembly shall be full-length heat treated to produce a T6 temper.

Handhole

5" Butt Diameter - 2-1/2" x 5" Handhole with curved Lip Style Aluminum Door and two (2) SS Self-Tapping Attaching Screws. A Grounding Provision is provided as part of the handhole.

6" Butt Diameter - Reinforced, 3" x 5" curved Cast Aluminum Frame (Alloy 356-T6) with Aluminum Door and two (2) SS Hex Head Screws. A Grounding Provision in accordance with the NEC is provided opposite the Handhole.

7"+ Butt Diameters - Reinforced, 4" x 6" curved Cast Aluminum Frame (Alloy 356-T6) with Aluminum Door and two (2) SS Hex Head Screws. Reinforced Frame will contain a tapped 3/8"- 16NC Grounding Provision.

Embed Detail

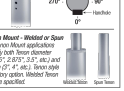
Direct Buried Pole
bottom section on
6"+ butt diameter
poles will be partially
flattened into an anti-
rotational, oval cross
section. Wire access
will be provided 24"
below ground line.
Soil conditions vary
by site. Foundation
requirements should
be determined by a
qualified Structural
Engineer with
knowledge of site/
soil conditions.

Vibration Damper

When determined necessary by Hapco, a Vibration Damper will be factory-installed inside the pole shaft. Customer specification of the damper is available.

Mounting Designation

Side Drill Mount
For Side Mount applications specify luminaire type, quantity and orientation. A luminaire drilling template must be supplied at time of order.



Tenon Mount - Welded or Spun
For Tenon Mount applications specify both Tenon diameter (O.D.[1] *2.875", 3.5", etc.) and height (7", 4", etc.). Tenon style is factory option. Welded Tenon can be specified.*

hapco www.hapco.com

WARNING: *Do not install light pole without luminaire.*

A Rtg. Ref.	B Wall Thickness	C Butt Diameter	Total Load Weight	Maximum EPA 90	100	110	120	Qty. per Master Gen. Number	Catalog Number
10	0.125"	5	100	16.6	13.0	12.2	10.0	8.2	67907-031SK**	RTA10B5AE-**
12	0.125"	5	100	12.6	10.0	9.2	7.4	6.0	67907-031SK	RTA12B5AE-**
14	0.125"	5	90	10.0	7.6	7.0	5.6	4.4	67907-031AK	RTA14B5AE-**
16	0.125"	5	80	8.0	6.0	5.6	4.2	3.2	67907-031BK	RTA16B5AE-**
18	0.125"	5	35	6.4	4.6	4.2	3.0	2.2	67907-031BX	RTA18B5AE-**
18	0.156"	5	80	8.2	6.2	5.8	4.2	3.2		RTA18C5AE-**
20	0.125"	5	30	4.8	3.4	3.0	2.0	1.4		RTA20B5AE-**
20	0.125"	6	100	12.0	9.2	8.4	6.8	5.6	50-001	RTA20B6BE-**
20	0.156"	6	100	16.0	12.2	11.2	9.2	7.6	50-003	RTA20C6BE-**
20	0.188"	6	100	20.0	15.4	14.0	11.6	9.6	50-003	RTA20D6BE-**
20	0.156"	7	100	24.0	18.8	17.4	14.2	12.0	50-004	RTA20C7BE-**
20	0.188"	7	100	29.4	22.2	21.4	17.8	15.0	50-005	RTA20D7BE-**
20	0.190"	8	100	30.0	26.2	24.2	20.2	17.0	50-006	RTA20D8BE-**
20	0.188"	8	100	40.4	32.0	29.8	24.8	21.0	50-007	RTA20E8BE-**
22	0.125"	5	25	3.6	2.4	2.0	1.2			RTA22B5AE-**
25	0.190"	6	80	10.0	7.2	6.6	5.2	4.2	50-062	RTA25D6BE-**
25	0.188"	6	100	12.8	9.6	8.8	7.0	5.8	50-063	RTA25D6BE-**
25	0.156"	7	100	16.0	11.2	11.2	9.0	7.4	50-064	RTA25C7BE-**
25	0.188"	7	100	20.2	13.6	14.2	11.6	9.6	50-065	RTA25D7BE-**
25	0.156"	8	100	22.8	11.8	16.4	13.4	11.2	50-066	RTA25C8BE-**
25	0.188"	8	100	28.4	23.4	20.6	17.0	14.2	50-067	RTA25D8BE-**
25	0.218"	8	100	33.6	30.6	24.6	20.4	17.2	50-068	RTA25E8BE-**
30	0.250"	8	100	38.8	36.8	28.4	23.6	19.8	50-069	RTA25F8BE-**
30	0.156"	7	85	10.6	7.6	6.8	5.2	4.2	50-124	RTA30C7BE-**
30	0.188"	7	100	13.8	10.2	9.2	7.4	6.0	50-125	RTA30D7BE-**
30	0.156"	8	100	16.0	12.0	11.0	8.8	7.2	50-126	RTA30C8BE-**
30	0.188"	8	100	20.4	15.8	14.4	11.8	9.6	50-127	RTA30D8BE-**
30	0.218"	8	100	24.6	19.6	17.6	14.4	12.0	50-128	RTA30E8BE-**
30	0.250"	8	100	28.6	23.4	20.6	17.0	14.2	50-129	RTA30F8BE-**
30	0.188"	9	100	28.0	27.8	20.4	16.8	14.0	50-131	RTA30D9BE-**
30	0.250"	9	100	38.8	36.6	28.4	23.6	19.8	50-133	RTA30F9BE-**
30	0.188"	10	100	36.6	29.2	27.2	22.6	19.0	50-139	RTA30D10BE-**
35	0.156"	8	85	11.0	7.8	7.0	5.4	4.4	50-186	RTA35C8BE-**
35	0.188"	8	100	14.6	10.8	9.8	7.8	6.2	50-187	RTA35D8BE-**
35	0.219"	8	100	18.0	13.6	12.4	10.0	8.2	50-188	RTA35E8BE-**
35	0.250"	8	100	21.4	16.4	15.0	12.0	10.0	50-189	RTA35F8BE-**
35	0.188"	9	100	20.8	15.8	14.6	11.8	9.8	50-191	RTA35D9BE-**
35	0.250"	9	100	29.6	22.2	21.4	17.6	14.6	50-193	RTA35F9BE-**
35	0.188"	10	100	28.0	21.0	20.6	16.8	14.0	50-199	RTA35D10E-**
35	0.218"	10	100	33.6	29.6	24.8	20.4	17.0	50-200	RTA35E10E-**
35	0.250"	10	100	39.0	31.2	29.0	24.0	20.0	50-201	RTA35F10E-**
35	0.312"	10	100	49.2	39.8	37.0	30.8	25.6	50-202	RTA35G10E-**
40	0.188"	8	70	10.2	7.0	6.4	4.8	3.6	50-247	RTA40D8BE-**
40	0.219"	8	100	12.8	9.2	8.4	6.4	5.2	50-248	RTA40E8BE-**
40	0.250"	8	100	15.8	11.6	10.4	8.2	6.6	50-249	RTA40F8BE-**
40	0.188"	9	100	15.0	11.2	10.2	8.2	6.6	50-251	RTA40D9BE-**
40	0.250"	9	100	22.6	17.4	16.0	13.0	10.6	50-253	RTA40F9BE-**
40	0.188"	10	100	21.2	16.6	15.4	12.6	10.2	50-259	RTA40D10E-**
40	0.218"	10	100	26.0	20.4	19.0	15.6	12.8	50-260	RTA40E10E-**
40	0.250"	10	100	30.6	31.2	22.4	18.6	15.4	50-261	RTA40F10E-**
40	0.312"	10	100	39.8	31.4	29.4	24.2	20.2	50-262	RTA40G10E-**

Catalog Number System

The catalog number for Hapco poles utilizes the following identification system.

MOUNTING HEIGHT | BUTT DIA. | BASE STYLE | FINISH | WALL THICK. | TOP DIA.

RTA | | | | | | | |

SHAFT ASSEMBLY

Catalog Number Example -

RTA 30 D 8 B E – 01

Round Tapered Aluminum, 30' Mounting Height, .188" Wall Thickness, 8" Butt Diameter, 4.5" Top Diameter, Direct Buried, Satin Aluminum Finish.

Wall Thickness
B = .125"
C = .156"
D = .188"
E = .219"
F = .250"
G = .312"

Butt Diameter
5 = 5"
6 = 6"
7 = 7"
8 = 8"
9 = 9"
1 = 10"

Top Diameter
A = 3"
B = 4.5"
C = 6"

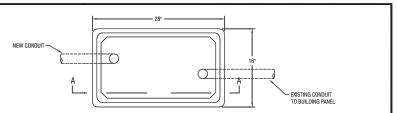
Base Style
E = Direct Buried

Finish
01 = Satin Aluminum
BA = Black Powder Coat
BH = White Powder Coat
BM = Dark Bronze Powder Coat
BV = Dark Green Powder Coat
GC = Gray Powder Coat
★★ = Specify Finish

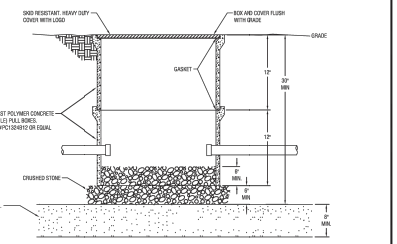
EPA Notes:

Effective Projected Area (EPA) in square feet. EPA's calculated using wind velocity (mph) indicated in accordance with 2006 AASHTO LTS-5 using a 25 year design life. Maximum EPA is based on the luminaire weight shown. Increased luminaire weight may reduce the maximum EPA. If weight is exceeded, or if other design life or code is required, please consult the factory.

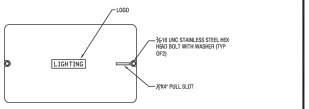
www.hapco.com hapco 21



PLAN VIEW



SECTION A-A



wendel
www.wendelcompanies.com

Town of Amherst LED Street Lighting Retrofit

Underground Pull Box Detail

Proj. No.: 261343
Date: 04.20.2021
Ref. Dwg.
No.

Add smart, full-featured controls to your street lights.

Data sheet

Light Sense node for Intelligent Lighting

Light Sense node is designed to convert LED fixtures into intelligent local centers, providing actionable insights that go far beyond illumination and mere granular lighting control. Our Smart Communities solutions and cloud-based IoT services are now at your fingertips.

Main features.

- Cellular connectivity enables gateway-free installation
- Advanced 4G LTE CAT-M IoT technology
- Auto-commissioning with integrated GPS
- Simple plug-and-twist mounting to luminaires via existing National Electrical Manufacturers Association (NEMA) 5- or 7-pin photo-control socket in accordance with American National Standards Institute (ANSI) C136.41
- Advanced lighting control with on-board photocell and (voltage) 0-10V dimming
- Utility-grade energy measurement with metering Class1.0 accuracy
- Measures and reports electrical and sensor data to NetSense® Lighting Application

Advanced 4G LTE IoT CAT-M IoT connectivity
No additional networking equipment is needed to deploy with 4G LTE connectivity. Fast, reliable, and nationwide 4G LTE connectivity from Verizon Wireless allows for gateway-free deployment.

Lighting control
Light Sense node is connected to incoming AC mains and the LED driver/standard ballast. This direct connection provides on/off control and performance monitoring of the luminaire. Luminaire dimming control follows the 0-10VDC dimming standard.

Onboard sensors
Light Sense node sensors include: GPS, photocell, utility-grade power metering and temperature.

Security
Light Sense node connects to the network using highly secure, certificate-based authentication and encryption for each device.

Certifications
Underwriters Laboratories (UL), Federal Communications Commission (FCC)

verizon

Data sheet

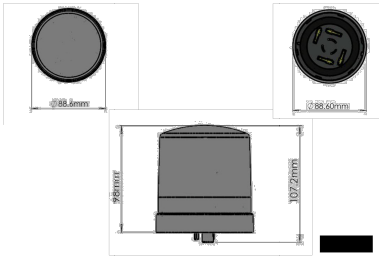
Product specifi ations

Ordercode	S80-000123
Communication	
Communication	Cellular (4G-LTE) Lightweight machine-to-machine (LwM2M) protocol
LTE frequency bands	LTE bands 4 and 13
Cellular data rate	LTE CAT-M
Security	
Encryption	DTLS1.2 PSK with 256-bit AES encryption
Power and electrical	
AC input voltage	120-277V/60Hz
Node power consumption	1.0W typical (1.2W max)
Surge rating	6KV/3KA ANSI C136.2
Energy measurement	Metering accuracy ANSI C12.20 Class 0.5 (relevant sections), IR Pulse LED Support for energy measurement
On-board sensors	Photocell, GPS, power metering, temperature
GPS accuracy	3m (clear open sky)
LED Luminaire Control	
Ballast rating	If Ballast and Standard/HID Ballast* rating of 5A max at 120V/277V 60Hz
Dimming control output	0-10 VDC
Photocell	
Operating levels	ANSI C136.10 Turn-on typical at 1d Lux, turn-off typical at 2d Lux, (On:Off ratio of 1:1.5)
Physical	
Mounting	Twist-lock National Electrical Manufacturers Association (NEMA) photo-receptacle (ANSI C136.41) 3-wire/7-wire receptacle
Weight	0.4 lbs
Color	Light gray
Dimensions	107.2mm height x 88.4mm diameter
Environmental and compliance	
Water ingress	IP66, UL773 wet rated
Vibration	3G vibration per ANSI C136.31 2010
Operating temperature	-40C to 55C
Relative humidity operating range	5% to 93% non-condensing
Certifications	UL, FCC
Region of certification and LTE operation	USA

** For 3 Standard/HID Luminaires support the luminaire must have modn AC entry SPD rated at ANSI C136.2-2018 20kV/10kA*

Data sheet

Mechanical dimensions



Ordering information

Ordercode	Description
S80-000123	Light Sense node, 4G LTE, 0-10V, NEMA, 120-277V

Network details & coverage maps at vzw.com. © 2019 Verizon. DSsoc0619

TOWN OF AMHERST APPROVAL BOX:

2.a

CARMINAWO

Single Family Subdivision

REVISIONS: No.	Description	Date
1	Rev. Per Town Comments	9/19/2024
2	Rev. Per Town Comments	10/24/2024

DRAWING NAME
Lighting

Date: /29/25
Drawn By: C. Wood
Scale: As Noted

DRAWING NO.

PROJECT NO: 20.247

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge

Packet Pg. 366

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HADCO by ⊜ignify

Urban

TownView

TVPC/TVPR

Post-top / pole-top and arm mounted luminaires

The Hadco **TownView LED post top luminaires** were designed to eliminate the compromises of performance, comfort, style options and value when choosing the right lighting solution for residential street and pedestrian areas. The horizontal lens option reduces glare to enhance a sense of security with increased visual comfort. TownView offers design flexibility with a variety of style options, lumen packages, a range of control options and more at exceptional value.

Project:
Location:
Cat.No:
Type:
Lamps: Qty:
Notes:

Ordering guide: Luminaire

example: TVPC-S3-3-33-G1-7-30-730-A-N-R7-N-SP1-T-N-N-BK6

Series	Mounting	Roof option	LED module	Generation	Drive current	Distribution	Color temp.	Voltage	Integral Controls [1]
TVPC Townview with vertical closed panels TVPR Townview with vertical raised panels	3 Arm Mt L4 Large Post Top Fitter 4" (look like entry) L3 Large Post Top Fitter 3" (look like entry) S3 Small Post Fitter 3 1/8" S4 Small Post Fitter 4"	S Square Roof C Curved Roof	15 16 LEDs 32 32 LEDs 48 48 LEDs	G1 Gen 1 G1 Gen 1 G1 Gen 1	5 530 mA 7 700 mA 9 900 mA 1 1050 mA 5 530 mA 7 700 mA 7 700 mA	25 Type 2 Short 3S Type 3 Short 3W Type 3 Wide 5 Type 5 2H Type 2 House-side shield 3SH Type 3 Short House-side shield 3WH Type 3 Wide House-side shield	730 3000K (70 CRI) 740 4000K (70 CRI) 827* 2700K (80 CRI)	A 120-277 Volt J 480V K 347V	DA* 4 Hrs 25% Reduction DB* 4 Hrs 50% Reduction DC* 4 Hrs 75% Reduction DD* 8 Hrs 25% Reduction DE* 8 Hrs 50% Reduction DF* 8 Hrs 75% Reduction DL* DALI (default: logarithmic) SBD* SF Driver CLO* Constant light output AUT* Adjustable startup time OTL* Overthe-life (default: L70 hrs) S* FAWS Field adjustable wattage selector SRD Sensor ready driver (standard configuration) SRDI Sensor ready driver (alternative configuration) N None

Ordering guide (continued)

Receptacle	Sensor Receptacle *	Surge Protection	Term Block	Decorative Option	Bird Guard	Finish *
R7 7 Pin locking - rotatable-standard - no photocell PH6 * 7 Pin locking - rotatable-standard - with photocell PH0 7 Pin locking - rotatable-standard - with shorting cap PH0C * 7 Pin locking - rotatable-standard - with long life photocell	N None	SP1 Parallel (1kV standard) SP2 Parallel 2.5kV	T Terminal Block N None	L* Ladder Rail: N None	N None	BK6 Black Smooth WH6 White Smooth BZ6 Bronze Smooth GN6 Green Smooth BK Black Texture WH White Texture BZ Bronze Texture GN Green Texture

Footnotes see page 2.

TVPC/TVPR TownView

Post top and arm mount luminaire

Ordering Guide: Arm mount

Must be ordered as a separate line item (if Arm Mount option is chosen for fixture).

Code	Mount	Width	Options	Finish
TV TownView	A Arm Mount	55 55.5" wide	S Decorative Scroll	BK6 Black Smooth WH6 White Smooth BZ6 Bronze Smooth GN6 Green Smooth BK Black Texture WH White Texture BZ Bronze Texture GN Green Texture

Only available with Square roof

Footnotes

1. Only 6 Square roof available with A Arm Mount
2. Consult factory for information and lead time
3. Only pick one option from the Control list - for multiple control options consult the factory
4. This option requires more information contact factory
5. Only available with **120-277 V**
6. Ladder rest option not available with Arm Mount
7. Not available with **347V**
8. Order a **TVLN** (no panel version if you want the SR Receptacle option) Or consult factory to review sensor compatibility with panels.
9. When any finish other than **BK6** or **BK** is selected cupola will be metal and painted to match finish. Cupola supplied with **BK6** or **BK** finish option may be used with Intersect City Astro-Clock node. If using Intersect City with other finishes, cupola must be removed and Astro-Clock node is not required.
10. Position 10 is open for receptacle control, must use one or the other not BOTH.
11. **SR** Receptacle only available with 32 LED (receptacle is mounted in the middle of the board) and **SRD** Driver is required if you choose this receptacle

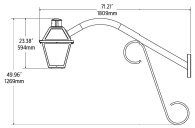
Dimensions: Arm mount

TVPx-A-S

Arm: Made of aluminum tubing

Decorative Element: Bent aluminum decorative channel scroll mechanically assembled.

Mounting Plate: Made of aluminum, mechanically fastened to the pole.



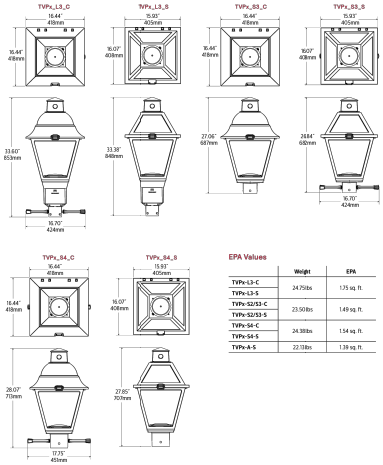
EPA Values

	Weight	EPA
TVPx-A-S	14 lbs	1.98 ft²

TVPC/TVPR TownView

Post top and arm mount luminaire

Dimensions: Luminaire



EPA Values

	Weight	EPA
TVPx-L3-C	24.75lbs	1.75 sq. ft.
TVPx-L3-S TVPx-S2/S3-C	23.50lbs	1.69 sq. ft.
TVPx-S4-C TVPx-S4-S	24.38lbs	1.54 sq. ft.
TVPx-A-S	22.13lbs	1.38 sq. ft.

TVPC/TVPR TownView

Post top and arm mount luminaire

Predicted Lumen Depreciation Data

Predicted performance derived from LED manufacturer's data and engineering design estimates, based on IESNA LM-80 methodology. Actual experience may vary due to field application conditions.L_{70} is the predicted time when LED performance depreciates to 70% of initial lumen output. Delivered Lumens (DLM) = TM-21 Published L_{70} hours limited to 6 times tested LED test hours.

Ambient Temperature °C	Driver mA	Calculated L_{70} Hours	L_{70} per TM-21	Lumen Maintenance % at 60,000 hrs
25°C	up to 1050 mA	>100,000 hours	>54,000 hours	>96%

Field Adjustable Wattage (FAWS) Multiplier Chart

FAWS Position	Typical Delivered Lumens Multiplier	Typical System wattage
1	0.31	0.28
2	0.53	0.50
3	0.62	0.58
4	0.70	0.67
5	0.78	0.75
6	0.83	0.81
7	0.89	0.87
8	0.92	0.91
9	0.96	0.95
10	1.00	1.00

Note: Typical value accuracy +/- 15%

LED Lumen values – TVPC (Visual Comfort Panels)

Ordering Code	LED qty.	System Current (mA)	Color Temp.	Avg. System Wattage (W)	Type 2S Lumen Output	Type 2S Efficacy (LPW)	Type 2S BUG Rating	Type 3S Lumen Output	Type 3S Efficacy (LPW)	Type 3S BUG Rating	Type 3W Lumen Output	Type 3W Efficacy (LPW)	Type 3W BUG Rating	Type 5 Lumen Output	Type 5 Efficacy (LPW)	Type 5 BUG Rating
TVPC-16-G1-5-730	16	530	3000	29	2,788	96	B1-U2-G1	2,859	98	B1-U2-G1	2,910	101	B1-U2-G1	1,056	107	B2-U3-G1
TVPC-16-G1-7-730	16	700	3000	38	3,116	87	B1-U2-G1	3,527	99	B1-U3-G1	3,116	92	B1-U3-G1	3,707	97	B1-U3-G2
TVPC-16-G2-9-730	16	900	3000	49	4,069	83	B1-U2-G1	4,328	88	B1-U3-G1	4,134	86	B1-U3-G1	4,546	93	B1-U3-G1
TVPC-16-G1-7-740	16	700	4000	37	4,366	118	B1-U2-G1	4,676	126	B1-U3-G1	4,842	131	B1-U3-G1	5,105	138	B1-U3-G2
TVPC-32-G1-5-730	32	530	3000	53	5,103	96	B1-U2-G1	5,340	100	B1-U3-G2	5,390	101	B2-U3-G2	5,697	105	B1-U3-G2
TVPC-32-G1-7-730	32	700	3000	70	6,443	92	B2-U3-G2	6,744	96	B2-U3-G2	6,905	97	B2-U3-G2	7,095	101	B2-U3-G2
TVPC-32-G1-9-730	32	900	3000	90	7,710	89	B1-U3-G2	7,505	90	B1-U3-G2	7,972	94	B1-U3-G2	7,892	98	B1-U3-G2
TVPC-32-G1-7-730	32	1050	3000	108	9,006	85	B2-U3-G2	9,427	87	B2-U3-G2	9,512	88	B2-U3-G2	9,913	91	B1-U3-G2
TVPC-48-G1-5-730	48	530	3000	81	7,780	96	B2-U3-G2	8,144	101	B1-U3-G2	9,217	102	B2-U3-G2	8,564	106	B1-U3-G2
TVPC-48-G1-7-730	48	700	3000	105	9,766	93	B2-U3-G2	10,223	98	B2-U3-G2	10,105	96	B2-U3-G2	10,750	103	B2-U3-G2
TVPC-16-G1-5-740	16	530	4000	29	2,852	99	B1-U2-G1	3,066	105	B1-U2-G1	3,106	105	B1-U2-G1	3,221	110	B1-U2-G1
TVPC-16-G1-7-740	16	700	4000	39	3,648	95	B1-U2-G1	3,878	101	B1-U3-G1	3,885	100	B1-U3-G1	4,075	105	B1-U3-G1
TVPC-16-G1-9-740	16	900	4000	49	4,473	90	B1-U2-G1	4,758	96	B1-U3-G1	4,761	96	B1-U3-G1	5,001	101	B1-U3-G1
TVPC-16-G1-7-740	16	1050	4000	58	5,042	86	B1-U2-G1	5,361	91	B1-U3-G1	5,341	91	B1-U3-G1	5,636	96	B1-U3-G1
TVPC-32-G1-7-740	32	530	4000	54	5,811	104	B1-U3-G1	5,973	109	B1-U3-G1	5,826	110	B2-U3-G2	6,176	114	B1-U3-G2
TVPC-32-G1-7-740	32	700	4000	71	7,060	100	B2-U3-G2	7,661	104	B2-U3-G2	7,518	105	B2-U3-G2	7,797	110	B1-U3-G2
TVPC-32-G1-9-740	32	900	4000	91	7,883	87	B1-U3-G2	8,293	92	B1-U3-G2	8,326	92	B1-U3-G2	8,677	97	B1-U3-G2
TVPC-48-G1-5-740	48	530	4000	82	8,902	98	B2-U3-G2	10,165	95	B2-U3-G2	11,068	96	B2-U3-G2	10,898	99	B2-U3-G2
TVPC-48-G1-7-740	48	700	4000	108	10,738	101	B2-U3-G2	11,940	106	B2-U3-G2	11,141	107	B2-U3-G2	11,819	112	B2-U3-G2

Actual performance may vary due to installation variables including optics, mounting/ceiling height, dirt depreciation, light loss factor, etc.; Highly recommended to confirm performance with a layout - contact Applications at outdoorlighting.applications@philips.com. Consult DLC QPL to confirm your specific fixture selection is DLC approved.
Note: Some data may be scaled based on tests of similar but not identical luminaires.

TVPC/TVPR TownView

Post top and arm mount luminaire

LED Lumen values – TVPC (Visual Comfort Panels and House-side shield)

Ordering Code	LED qty.	System Current (mA)	Color Temp.	Avg. System Wattage (W)	Type 2SH Lumen Output	Type 2SH Efficacy (LPW)	Type 2SH BUG Rating	Type 3SH Lumen Output	Type 3SH Efficacy (LPW)	Type 3SH BUG Rating	Type 3WSH Lumen Output	Type 3WSH Efficacy (LPW)	Type 3WSH BUG Rating
TVPC-16-G1-5-730	16	530	3000	29	2,084	72	B0-U2-G1	2,322	80	B0-U2-G1	2,255	75	B1-U2-G1
TVPC-16-G1-7-730	16	700	3000	38	2,440	70	B1-U2-G1	2,934	77	B1-U2-G1	2,726	72	B1-U3-G1
TVPC-16-G1-9-730	16	900	3000	49	3,251	66	B1-U2-G1	3,805	74	B1-U3-G1	3,345	68	B1-U3-G1
TVPC-16-G1-7-730	16	1050	3000	57	3,666	64	B1-U2-G1	4,060	71	B1-U2-G2	3,730	66	B1-U3-G1
TVPC-32-G1-5-730	32	530	3000	53	4,018	75	B1-U3-G2	4,362	82	B1-U3-G2	4,228	80	B1-U3-G2
TVPC-32-G1-7-730	32	700	3000	71	5,073	72	B1-U3-G1	5,507	78	B1-U3-G2	5,417	77	B1-U3-G2
TVPC-32-G1-9-730	32	900	3000	90	5,945	70	B1-U3-G1	6,128	76	B1-U3-G2	6,028	75	B1-U3-G2
TVPC-32-G1-7-730	32	1050	3000	108	7,091	65	B1-U3-G1	7,668	71	B1-U3-G2	7,572	70	B1-U3-G2
TVPC-48-G1-5-730	48	530	3000	81	6,126	76	B1-U3-G1	6,850	82	B1-U3-G2	6,545	81	B1-U3-G2
TVPC-48-G1-7-730	48	700	3000	113	7,690	73	B1-U3-G2	8,348	80	B1-U3-G2	8,211	78	B1-U3-G2
TVPC-16-G1-5-740	16	530	4000	29	2,302	79	B0-U2-G2	2,553	87	B0-U2-G1	2,569	81	B1-U2-G1
TVPC-16-G1-7-740	16	700	4000	37	2,813	76	B1-U2-G1	3,230	84	B1-U2-G1	2,997	78	B1-U3-G1
TVPC-16-G1-9-740	16	900	4000	48	3,574	72	B1-U2-G1	3,963	80	B1-U3-G1	3,678	74	B1-U3-G1
TVPC-16-G1-5-740	16	1050	4000	55	4,028	70	B1-U2-G2	4,468	78	B1-U2-G2	4,345	72	B1-U3-G1
TVPC-32-G1-5-740	32	530	4000	54	4,418	82	B1-U3-G1	4,798	89	B1-U3-G2	4,718	87	B1-U3-G2
TVPC-32-G1-7-740	32	700	4000	71	5,577	79	B1-U3-G1	6,055	85	B1-U3-G2	5,965	84	B1-U3-G2
TVPC-32-G1-9-740	32	900	4000	91	6,257	75	B1-U3-G1	6,778	83	B1-U3-G2	6,628	82	B1-U3-G1
TVPC-32-G1-7-740	32	1050	4000	113	7,796	71	B1-U3-G1	8,464	77	B1-U3-G2	8,325	76	B1-U3-G2
TVPC-48-G1-5-740	48	530	4000	82	6,735	82	B1-U3-G1	7,312	89	B1-U3-G2	7,192	88	B1-U3-G2
TVPC-48-G1-7-740	48	700	4000	116	8,454	80	B1-U3-G2	9,176	87	B1-U3-G2	9,028	85	B1-U3-G2

LED Lumen values – TVPR (Vertical Ribbed Panels)

Ordering Code	LED qty.	System Current (mA)	Color Temp.	Avg. System Wattage (W)	Type 2S Lumen Output	Type 2S Efficacy (LPW)	Type 2S BUG Rating	Type 3S Lumen Output	Type 3S Efficacy (LPW)	Type 3S BUG Rating	Type 3W Lumen Output	Type 3W Efficacy (LPW)	Type 3W BUG Rating	Type 5 Lumen Output	Type 5 Efficacy (LPW)	Type 5 BUG Rating
TVPR-16-G1-5-730	16	530	3000	29	2,751	95	B1-U2-G1	2,940	102	B1-U2-G1	2,921	101	B1-U3-G1	1,056	107	B2-U3-G1
TVPR-16-G1-7-730	16	700	3000	38	3,679	91	B1-U2-G1	3,719	98	B1-U2-G1	3,614	97	B1-U3-G1	3,957	103	B2-U3-G1
TVPR-16-G1-9-730	16	900	3000	49	4,269	87	B1-U3-G1	4,564	93	B1-U3-G1	4,433	93	B1-U3-G1	4,806	98	B1-U3-G1
TVPR-16-G1-7-730	16	1050	3000	57	4,811	84	B1-U3-G1	5,148	90	B1-U3-G1	5,018	88	B1-U3-G1	5,351	93	B1-U3-G1
TVPR-32-G1-5-730	32	530	3000	53	5,380	101	B1-U3-G1	5,602	105	B1-U3-G1	5,811	105	B1-U3-G1	5,804	110	B2-U3-G2
TVPR-32-G1-7-730	32	700	3000	70	6,792	97	B2-U3-G2	7,015	101	B2-U3-G2	7,183	101	B2-U3-G2	7,428	106	B2-U3-G2
TVPR-32-G1-9-730	32	900	3000	90	7,558	94	B2-U3-G2	7,869	98	B2-U3-G2	7,982	98	B2-U3-G2	8,266	103	B2-U3-G2
TVPR-32-G1-7-730	32	1050	3000	108	9,494	88	B2-U3-G2	9,885	91	B2-U3-G2	9,931	91	B2-U3-G2	10,393	96	B4-U3-G2
TVPR-48-G1-5-730	48	530	3000	81	8,202	102	B2-U3-G2	8,539	106	B2-U3-G2	8,853	106	B2-U3-G2	8,970	111	B4-U3-G2
TVPR-48-G1-7-730	48	700	3000	105	10,296	98	B2-U3-G2	10,720	102	B2-U3-G2	10,737	102	B2-U3-G2	11,250	107	B4-U3-G2
TVPR-16-G1-5-740	16	530	4000	29	3,023	103	B1-U2-G1	3,232	111	B1-U2-G1	3,210	110	B1-U2-G1	3,404	116	B2-U3-G1
TVPR-16-G1-7-740	16	700	4000	39	3,825	98	B1-U2-G1	4,089	106	B1-U2-G1	4,052	105	B1-U2-G1	4,306	112	B2-U3-G1
TVPR-16-G1-9-740	16	900	4000	49	4,693	95	B1-U3-G1	5,018	101	B1-U3-G1	4,884	101	B1-U3-G1	5,284	107	B1-U3-G1
TVPR-16-G1-7-740	16	1050	4000	58	5,290	92	B1-U3-G1	5,655	98	B1-U3-G1	5,517	96	B1-U3-G1	5,835	104	B1-U3-G1
TVPR-32-G1-5-740	32	530	4000	54	5,915	110	B1-U3-G1	6,159	114	B1-U3-G1	6,418	114	B1-U3-G1	6,469	120	B3-U3-G2
TVPR-32-G1-7-740	32	700	4000	71	7,467	105	B2-U3-G2	7,775	110	B2-U3-G2	7,787	110	B2-U3-G2	8,196	115	B3-U3-G2
TVPR-32-G1-9-740	32	900	4000	91	8,310	103	B2-U3-G2	8,652	106	B2-U3-G2	8,686	107	B2-U3-G2	9,088	112	B3-U3-G2
TVPR-32-G1-7-740	32	1050	4000	110	10,438	95	B2-U3-G2	10,868	99	B2-U3-G2	10,816	99	B2-U3-G2	11,416	104	B4-U3-G2
TVPR-48-G1-5-740	48	530	4000	82	9,017	112	B2-U3-G2	9,388	115	B2-U3-G2	9,654	115	B2-U3-G2	9,862	121	B4-U3-G2
TVPR-48-G1-7-740	48	700	4000	106	11,319	107	B2-U3-G2	11,766	111	B2-U3-G2	11,615	111	B2-U3-G2	12,379	117	B4-U3-G2

Actual performance may vary due to installation variables including optics, mounting/ceiling height, dirt depreciation, light loss factor, etc.; highly recommended to confirm performance with a layout - contact Applications at outdoorlighting.applications@philips.com. Consult DLC QPL to confirm your specific fixture selection is DLC approved.
Note: Some data may be scaled based on tests of similar but not identical luminaires.

TVPC/TVPR TownView

Post top and arm mount luminaire

LED Lumen values – TVPR (Vertical Ribbed Panels and House-side shield)

Ordering Code	LED qty.	System Current (mA)	Color Temp.	Avg. System Wattage (W)	Type 2SH Lumen Output	Type 2SH Efficacy (LPW)	Type 2SH BUG Rating	Type 3SH Lumen Output	Type 3SH Efficacy (LPW)	Type 3SH BUG Rating	Type 3WSH Lumen Output	Type 3WSH Efficacy (LPW)	Type 3WSH BUG Rating
TVPR-16-G1-5-730	16	530	3000	29	2,290	78	B1-U2-G1	2,457	85	B2-U2-G1	2,265	76	B1-U3-G1
TVPR-16-G1-7-730	16	700	3000	38	2,794	73	B1-U2-G1	3,108	81	B2-U2-G1	2,965	78	B1-U3-G1
TVPR-16-G1-9-730	16	900	3000	49	3,431	70	B1-U3-G1	3,884	79	B1-U3-G1	3,516	72	B1-U3-G2
TVPR-16-G1-7-730	16	1050	3000	57	3,906	68	B1-U3-G1	4,228	74	B1-U3-G1	3,903	70	B2-U3-G2
TVPR-32-G1-5-730	32	530	3000	53	4,265	80	B1-U3-G1	4,610	86	B1-U3-G2	4,476	84	B1-U3-G2
TVPR-32-G1-7-730	32	700	3000	70	5,391	77	B1-U3-G1	5,820	83	B1-U3-G2	5,651	80	B1-U3-G2
TVPR-32-G1-9-730	32	900	3000	90	5,992	75	B1-U3-G1	6,476	81	B1-U3-G2	6,268	78	B1-U3-G2
TVPR-32-G1-7-730	32	1050	3000	108	7,537	69	B2-U3-G2	8,135	71	B2-U3-G2	7,899	73	B2-U3-G2
TVPR-48-G1-5-730	48	530	3000	81	6,502	80	B1-U3-G2	7,028	87	B1-U3-G2	6,824	84	B1-U3-G2
TVPR-48-G1-7-730	48	700	3000	105	8,162	78	B1-U3-G2	8,822	84	B2-U3-G2	8,546	82	B2-U3-G2
TVPR-16-G1-5-740	16	530	4000	29	2,430	83	B1-U2-G1	2,701	92	B1-U2-G1	2,490	85	B1-U3-G1
TVPR-16-G1-7-740	16	700	4000	38	3,026	80	B1-U3-G1	3,416	89	B1-U3-G1	3,261	86	B1-U3-G1
TVPR-16-G1-9-740	16	900	4000	49	3,772	76	B1-U3-G1	4,183	85	B1-U3-G1	3,866	79	B1-U3-G2
TVPR-16-G1-5-740	16	1050	4000	58	4,251	74	B1-U3-G1	4,723	81	B1-U3-G1	4,307	76	B1-U3-G2
TVPR-32-G1-5-740	32	530	4000	54	4,690	87	B1-U3-G1	5,068	94	B1-U3-G1	4,921	92	B1-U3-G2
TVPR-32-G1-7-740	32	700	4000	71	5,929	83	B1-U3-G1	6,398	91	B1-U3-G1	6,211	88	B1-U3-G2
TVPR-32-G1-9-740	32	900	4000	91	6,588	81	B1-U3-G1	7,120	88	B1-U3-G1	6,894	85	B1-U3-G2
TVPR-32-G1-7-740	32	1050	4000	110	8,275	75	B2-U3-G2	8,944	81	B2-U3-G2	8,685	79	B2-U3-G2
TVPR-48-G1-5-740	48	530	4000	82	7,149	88	B1-U3-G2	7,727	96	B1-U3-G2	7,502	92	B1-U3-G2
TVPR-48-G1-7-740	48	700	4000	106	8,974	85	B2-U3-G2	9,858	92	B2-U3-G2	9,618	89	B2-U3-G2

Actual performance may vary due to installation variables including optics, mounting/ceiling height, dirt depreciation, light loss factor, etc.; highly recommended to confirm performance with a layout - contact Applications at outdoorlighting.applications@philips.com. Consult DLC QPL to confirm your specific fixture selection is DLC approved.
Note: Some data may be scaled based on tests of similar but not identical luminaires.

TVPC/TVPR TownView

Post top and arm mount luminaire

Specifications

Housing

Roof and Cage: Two Style options
C: Curved Roof and **S:** Square Roof. Tool-less latch made of stainless steel allows for quick access inside of the hinged roof to locate the driver, surge protector and optional FAWs (field adjustable wattage solution). Roof and Cage made of 360 low-copper die-cast, aluminum alloy. Decorative Cupola on top of roof covers the 7 pin NEMA socket.
Panels: Two panel options made of UV. Stabilized Acrylic.
C: Visual Comfort panels help to eliminate glare and pixelization and give a soft glow at night
R: Vertical Ribbed panels, for a clear look during the day and performance at night
All panels have tool-less removal for ease of cleaning or replacement. (exception for arm mount)
Fitter: Two fitter options. **L:** Large Utility Fitter with tool-less door to access the terminal block and wiring. Available in 3" or 4"
Or **S:** Small Fitter. Small fitter available in 2" 3/8, 3" or 4". Large 4" fitter uses a secondary adaptor to achieve 4" opening.

Light Engine

Composed of 4 main components: **LED Module / Optical System / Heat Sink / Driver.**
Electrical components are RoHS compliant. IP66 sealed light engine LEDs tested by ISO 17025-2005 accredited lab in accordance with IESNA LM-80 guidelines, extrapolations in accordance with IESNA TM-21. Metal core board ensures greater heat transfer and longer lifespan.

LED Module

Composed of high-performance white LEDs. Color temperature as per ANSI/NEMA bin 2700 Kelvin nominal (2725 +145K) CRI 80 min, 3000 Kelvin nominal (3045K +/- 175K) or 4000 Kelvin nominal (3985K +/- 275K). CRI 70 Min. 75 Typical. Other CCT/CRI also available, consult factory.

Heat Sink

Made of die cast aluminum optimizing the LEDs efficiency and life. Product does not use any cooling device with moving parts (only passive cooling device). Entire luminaire is rated for operation in ambient temperature of -40°C / -40°F up to +40°C / +104°F.

Optical System

Composed of high performance UV stabilized optical grade polymer refractor lenses to achieve desired distribution optimized to get maximum spacing, target lumens and a superior lighting uniformity. System is rated IP66. Performance shall be tested per LM-63, LM-79 and TM-15 (IESNA) certifying its photometric performance. Type **2S, 3S, 3W** and **Type 5** Street side indicated. House-side shield optional (can be field installed) **2SH**: Type 2 with House Side Shield, **3SH:** Type 3 short with house side shield, **3WH:** Type 3 Wide with House side shield

TOWN OF AMHERST APPROVAL BOX:

2.a

CARMINAWO

Single Family Subdivision

REVISIONS:			
No.	Description	Date	
1	Rev. Per Town Comments	9/19/2024	
2	Rev. Per Town Comments	10/24/2024	

DRAWING NAME: Lighting

Date: /29/25
Drawn By: C. Wood
Scale: As Noted

DRAWING NO.

PROJECT NO.: 20.247

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge

Packet Pg. 367

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TVPC/TVPR TownView

Post top and arm mount luminaire

Specifications (continued)

Driver:

Driver comes standard with 0-10V dimming capability. High power factor of 95%. Electronic driver, operating range 50/60 Hz. Auto adjusting universal voltage input from 120 to 277, 347 and 480 VAC rated for both application line to line or line to neutral, Class1, THD of 20% max. Maximum ambient operating temperature from 40°F (4°C) to 130°F (55°C). Certified in compliance to UL1310 cULus requirement (dry and damp location). | The current supplying the LEDs will be reduced by the driver if the driver experiences internal overheating as a protection to the LEDs and the electrical components. Output is protected from short circuits, voltage overload and current overload. Automatic recovery after correction. Standard built in driver surge protection of 2.5kV (min).

Integrated Features

R7*: Tool less rotatable receptacle with 7 pins enabling dimming and additional functionality (to be determined), can be used with a twist lock Interact City node or photoelectric cell or a shorting cap.
SP1: Surge protection device tested in accordance with ANSI/IEEE C62.45 per ANSI/IEEE C62.41.2 Scenario I Category C High Exposure 10kV/10kA waveforms for Line-Ground, Line-Neutral and Neutral-Ground, and in accordance with DOE MSSLC Model Specification for LED Roadway Luminaires Appendix D Electrical Immunity High test level. 10kV/10kA.
SP2: Optional 20kV / 10kA surge protection device that provides extra protection beyond the SP1 10kV/10kA level.
NEMA Labels: Installed NEMA label, ANSI C136.15-2015 compliant. Consult factory for other labeling needs.
Please note that these integrated features always come with the luminaire.
** Use of photoelectric cell or shorting cap is required to ensure proper illumination.*

Driver and Luminaire Options

Dimming Options:
DA: 4 Hrs 25% reduction
DB: 4 Hrs 50% reduction
DC: 4 Hrs 75% reduction
DD: 6 Hrs 25% reduction
DE: 6 Hrs 50% reduction
DF: 6 Hrs 75% reduction
DG: 8 Hrs 25% reduction
DH: 8 Hrs 50% reduction
DJ: 8 Hrs 75% reduction
DL: Pre-set driver compatible with the DALI control system. Logarithmic standard
SRD: Sensor Ready Driver including SR communication (used for dimming and other functionalities), 24V auxiliary supply and a logical signal input (LSI) connected to the top NEMA twist lock receptacle and bottom **TLRSR** receptacle, if this option included/ chosen. This configuration is compatible with Interact City controllers.
AST: Pre-set driver for progressive start-up of the LED module(s) to optimize energy management and enhance visual comfort at start-up.
CLO: Pre-set driver to manage the lumen depreciation by adjusting the power given to the LEDs offering the same lighting intensity during the entire lifespan of the LED module.
OTL: Pre-set driver to signal end of life of the LED module(s) for better fixture management.
FAWS: Field Adjustable Wattage Selector, pre-set to the highest position, can be easily switched in the field to the required position. This reduces total luminaire wattage consumption and reduces the light level – see the FAWS multiplier chart for more details. Note: it is not recommended to use FAWS with other dimming or controls; if you do, set the switch to position 10 (maximum output) to enable the other dimming or controls. Switching FAWS to any position other than 10 will disable the other dimming or controls.
DALI: Pre-set driver compatible with DALI control system.
SRD: Sensor Ready Driver including SR communication (used for dimming and other functionalities), 24V auxiliary supply and a logical signal input (LSI) connected to the top NEMA twist lock receptacle. SRD1: Sensor Ready Driver including SR communication (used for dimming and other functionalities) but with 24V auxiliary supply and a logical signal input (LSI) not connected to the top NEMA twist lock.

PH8: 7 Pin Tooless rotatable standard – with photocell. Photocell has dimensional limits: 3" dia x 2" tall (for non black finishes only)

PH9: 7 Pin Tooless rotatable standard – with shorting cap

PH1: 7 Pin Tooless rotatable standard – with long life photocell. Photocell has dimensional limits: 3" dia x 2" tall (for non black finishes only)

SR: Sensor ready receptacle located on the heat sink between two LED boards. Cannot be combined With 16 or 48 LED's or horizontal lens. Contact factory for use with panel **TVP** options.

L: Decorative Ladder Rest. Ships in the box, install on site.

2H, 3SH, 3WH: House side shield option

TVPC/TVPR TownView

Post top and arm mount luminaire

Specifications (continued)

Luminaire Useful Life

Refer to IES files for energy consumption and delivered lumens for each option. Based on ISTMT in situ thermal testing in accordance with UL1598 and UL8750. System Reliability Tool, Philips Advance data and LED manufacturer LM-80/TM-21 data, expected to reach 100,000 + hours (72W/3LED and 108W/4BLED at 700mA) or 94,500 hours (108W/3LED and 162W/4BLED at 1050mA) with >L70 lumen maintenance @ 25°C. Luminaire Useful Life accounts for LED lumen maintenance AND all of these additional factors including: LED life, driver life, PCB substrate, solder joints, on/off cycles, burning hours and corrosion.

Wiring

18AWG wire, 6" (15mm) minimum extending from luminaire.

Optional Terminal block

Terminal block connector 600V, 85A for use with #14-2 AWG wires from the primary circuit, located inside the housing. Due to the inrush current that occurs with electronic drivers, recommend using a 10Amp time-delay fuse to avoid unwanted fuse blowing (false tripping) that can occur with normal or fast acting fuses. Fuses and holders by others or consult factory

Hardware

All non-ferrous fasteners prevent corrosion and ensure longer life. All seals and sealing devices are made and/or lined with EPDM silicone rubber.

Finish

Color in accordance with the AAMA 2603 standard. Application of polyester powder coat paint (4 mils/100 microns) with 1 mils,/ 24 microns of tolerance. The Thermosetting resins provides a discoloration resistant finish in accordance with the ASTM D2244 standard, as well as luster retention in keeping with the ASTM D523 standard and humidity proof in accordance with the ASTM D2247 standard. The surface treatment achieves a minimum of 2000 hours for salt spray resistant finish in accordance with testing performed and per ASTM B117 standard.

BKS: Black Smooth
WHS: White Smooth
BZS: Bronze Smooth
GNS: Green Smooth
BK: Black Texture
WH: White Texture
BZ: Bronze Texture
GN: Green Texture

LED products manufacturing standard

The electronic components sensitive to electrostatic discharge (ESD) such as light emitting diodes (LEDs) are assembled in compliance with IEC61340-5-1 and ANSI/ESD S20.20 standards to eliminate ESD events that could decrease the useful life of the product.

Vibration Resistance

S2, S3, S4 Fitter and A Arm Mount Meets the ANSI C136.31, American National Standard for Roadway Luminaire Vibration specifications for Bridge/overpass applications (Tested for 3G over 100,000 cycles).

Certifications and Compliance

cETL listed to Canadian safety standards for wet locations. Manufactured to ISO 9001:2008 Standards. UL8750 and UL1598 compliant, ETL listed to U.S. safety standards for wet locations. cETL listed to Canadian safety standards for wet locations. LM80 & LM79 tested. Listed on the DesignLights TM Consortium (DLC) Qualified Products List (QPL),ANSI C136 standards: 2, 3, 10, 14, 15, 22, 25, 31, 37, 41.

Service Tag

Each individual Luminaire is uniquely identifiable, thanks to the Service tag application. With a simple scan of a QR code, placed on the inside of the mast door, you gain instant access to the luminaire configuration, making installation and maintenance operations faster and easier, no matter what stage of the luminaire's lifetime. Just download the APP and register your product right away.
For more details visit: **philips.com/servicetag**

Limited Warranty

5 year standard warranty. Options available for extended warranties – contact factory.
See **signify.com/warranties** for details and restrictions.

Brackets and Poles

Visit the website for pole and post top bracket options.

signify

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2.a

TOWN OF AMHERST APPROVAL BOX:

CARMINA WOOD DESIGN

Single Family Subdivision

REVISIONS:

No.	Description	Date
1	Rev. Per Town Comments	9/19/2024
2	Rev. Per Town Comments	10/24/2024

DRAWING NAME:
Lighting Plan

Date: /29/25
Drawn By: C. Wood
Scale: As Noted

DRAWING NO.

PROJECT NO: 20.247

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge

Packet Pg. 368

Appendix H

Soils Information

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

Hydrologic Soil Group—Erie County, New York

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

MAP LEGEND

Area of Interest (AOI)

- Area of Interest (AOI)

Soils

Soil Rating Polygons

- A
- A/D
- B
- B/D
- C
- C/D
- D
- Not rated or not available

Soil Rating Lines

- A
- A/D
- B
- B/D
- C
- C/D
- D
- Not rated or not available

Soil Rating Points

- A
- A/D
- B
- B/D
- C
- C/D
- D
- Not rated or not available

Water Features

- Streams and Canals

Transportation

- Rails
- Interstate Highways
- US Routes
- Major Roads
- Local Roads

Background

- Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:15,800.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL:
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Erie County, New York
Survey Area Data: Version 20, Jun 11, 2020

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Jul 4, 2020—Jul 10, 2020

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

Hydrologic Soil Group

Map unit symbol	Map unit name	Rating	Acres in AOI	Percent of AOI
Ch	Cheektowaga fine sandy loam	C/D	1.3	19.7%
ElB	Elnora loamy fine sand, 3 to 8 percent slopes	A/D	3.4	52.7%
Wd	Wayland soils complex, 0 to 3 percent slopes, frequently flooded	B/D	1.8	27.6%
Totals for Area of Interest			**6.4**	**100.0%**

Description

Hydrologic soil groups are based on estimates of runoff potential. Soils are assigned to one of four groups according to the rate of water infiltration when the soils are not protected by vegetation, are thoroughly wet, and receive precipitation from long-duration storms.

The soils in the United States are assigned to four groups (A, B, C, and D) and three dual classes (A/D, B/D, and C/D). The groups are defined as follows:

Group A. Soils having a high infiltration rate (low runoff potential) when thoroughly wet. These consist mainly of deep, well drained to excessively drained sands or gravelly sands. These soils have a high rate of water transmission.

Group B. Soils having a moderate infiltration rate when thoroughly wet. These consist chiefly of moderately deep or deep, moderately well drained or well drained soils that have moderately fine texture to moderately coarse texture. These soils have a moderate rate of water transmission.

Group C. Soils having a slow infiltration rate when thoroughly wet. These consist chiefly of soils having a layer that impedes the downward movement of water or soils of moderately fine texture or fine texture. These soils have a slow rate of water transmission.

Group D. Soils having a very slow infiltration rate (high runoff potential) when thoroughly wet. These consist chiefly of clays that have a high shrink-swell potential, soils that have a high water table, soils that have a claypan or clay layer at or near the surface, and soils that are shallow over nearly impervious material. These soils have a very slow rate of water transmission.

If a soil is assigned to a dual hydrologic group (A/D, B/D, or C/D), the first letter is for drained areas and the second is for undrained areas. Only the soils that in their natural condition are in group D are assigned to dual classes.

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

Soil Map—Erie County, New York

Map Scale: 1:1,710 if printed on A landscape (11" x 8.5") sheet.

N

Meters: 0 25 50 100 150

Feet: 0 50 100 200 300

Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 17N WGS84

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

MAP LEGEND

Area of Interest (AOI)
- Area of Interest (AOI)

Soils
- Soil Map Unit Polygons
- Soil Map Unit Lines
- Soil Map Unit Points

Special Point Features
- Blowout
- Borrow Pit
- Clay Spot
- Closed Depression
- Gravel Pit
- Gravelly Spot
- Landfill
- Lava Flow
- Marsh or swamp
- Mine or Quarry
- Miscellaneous Water
- Perennial Water
- Rock Outcrop
- Saline Spot
- Sandy Spot
- Severely Eroded Spot
- Sinkhole
- Slide or Slip
- Sodic Spot
- Spoil Area
- Stony Spot
- Very Stony Spot
- Wet Spot
- Other
- Special Line Features

Water Features
- Streams and Canals

Transportation
- Rails
- Interstate Highways
- US Routes
- Major Roads
- Local Roads

Background
- Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:15,800.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL:
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Erie County, New York
Survey Area Data: Version 20, Jun 11, 2020

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Jul 4, 2020—Jul 10, 2020

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
Ch	Cheektowaga fine sandy loam	1.3	19.7%
ElB	Elnora loamy fine sand, 3 to 8 percent slopes	3.4	52.7%
Wd	Wayland soils complex, 0 to 3 percent slopes, frequently flooded	1.8	27.6%
Totals for Area of Interest		**6.4**	**100.0%**

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

Drainage Class—Erie County, New York

Map Scale: 1:1,710 if printed on A landscape (11" x 8.5") sheet.

N

Meters: 0 25 50 100 150

Feet: 0 50 100 200 300

Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 17N WGS84

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

MAP LEGEND

Area of Interest (AOI)

- Area of Interest (AOI)

Soils

Soil Rating Polygons

- Excessively drained
- Somewhat excessively drained
- Well drained
- Moderately well drained
- Somewhat poorly drained
- Poorly drained
- Very poorly drained
- Subaqueous
- Not rated or not available

Soil Rating Lines

- Excessively drained
- Somewhat excessively drained
- Well drained
- Moderately well drained
- Somewhat poorly drained
- Poorly drained
- Very poorly drained
- Subaqueous
- Not rated or not available

Soil Rating Points

- Excessively drained
- Somewhat excessively drained
- Well drained
- Moderately well drained
- Somewhat poorly drained
- Poorly drained
- Very poorly drained
- Subaqueous
- Not rated or not available

Water Features

- Streams and Canals

Transportation

- Rails
- Interstate Highways
- US Routes
- Major Roads
- Local Roads

Background

- Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:15,800.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL:
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Erie County, New York
Survey Area Data: Version 20, Jun 11, 2020

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Jul 4, 2020—Jul 10, 2020

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

Drainage Class

Map unit symbol	Map unit name	Rating	Acres in AOI	Percent of AOI
Ch	Cheektowaga fine sandy loam	Very poorly drained	1.3	19.7%
ElB	Elnora loamy fine sand, 3 to 8 percent slopes	Moderately well drained	3.4	52.7%
Wd	Wayland soils complex, 0 to 3 percent slopes, frequently flooded	Poorly drained	1.8	27.6%
Totals for Area of Interest			**6.4**	**100.0%**

Description

"Drainage class (natural)" refers to the frequency and duration of wet periods under conditions similar to those under which the soil formed. Alterations of the water regime by human activities, either through drainage or irrigation, are not a consideration unless they have significantly changed the morphology of the soil. Seven classes of natural soil drainage are recognized-excessively drained, somewhat excessively drained, well drained, moderately well drained, somewhat poorly drained, poorly drained, and very poorly drained. These classes are defined in the "Soil Survey Manual."

Rating Options

Aggregation Method: Dominant Condition

Component Percent Cutoff: None Specified

Tie-break Rule: Higher

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

Rating Options

Aggregation Method: Dominant Condition

Component Percent Cutoff: None Specified

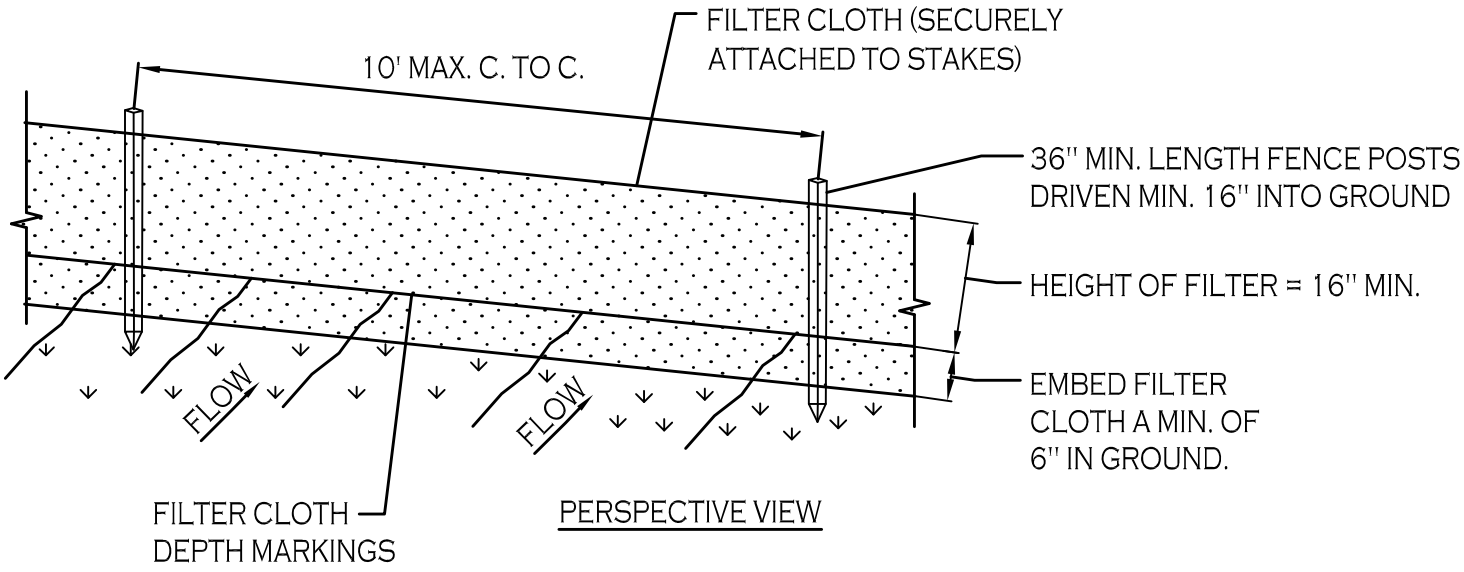
Tie-break Rule: Higher

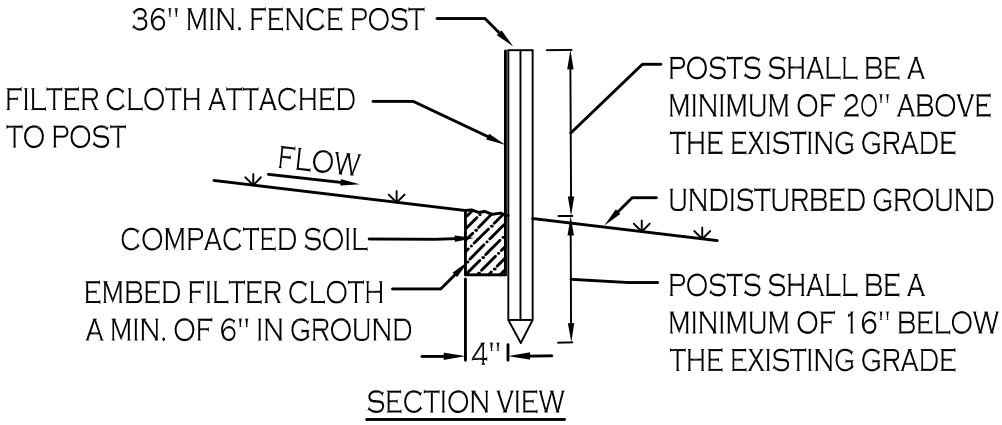
Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

Appendix J

Standard Erosion Control Details

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)





CONSTRUCTION SPECIFICATIONS

1. WOVEN FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES. POSTS SHALL BE STEEL EITHER "T" OR "U" TYPE OR HARDWOOD.

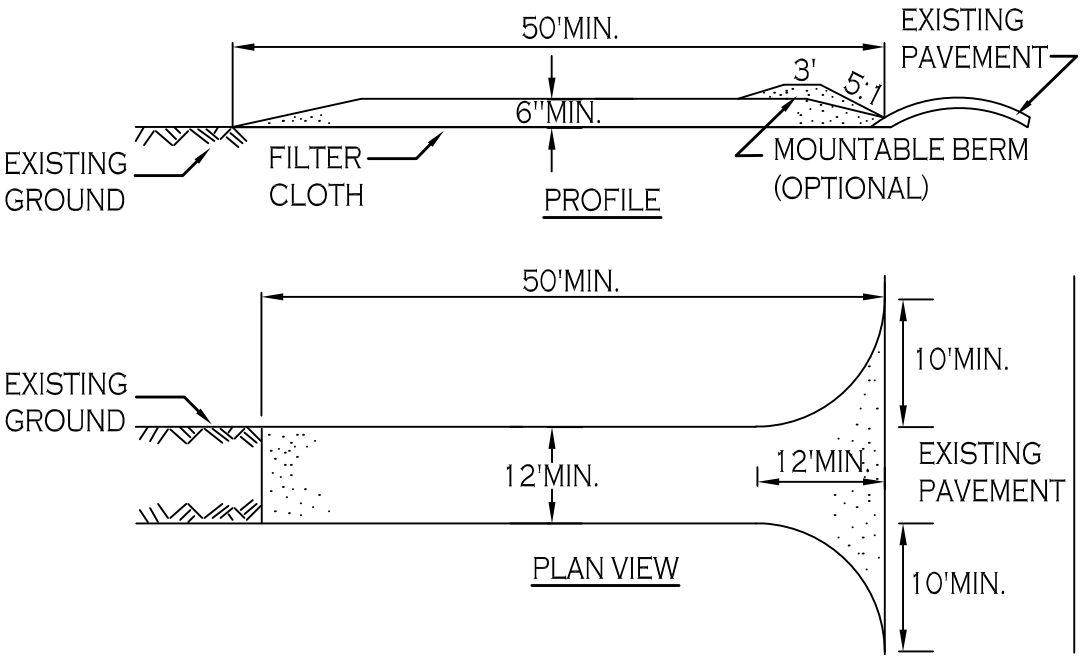
2. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVER-LAPPED BY SIX INCHES AND FOLDED. FILTER CLOTH SHALL BE EITHER FILTER X, MIRAFI 100X, STABILINKA T140N, OR APPROVED EQUIVALENT.

3. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.

SILT FENCE DETAIL

NOT TO SCALE

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)



CONSTRUCTION SPECIFICATIONS

1. STONE SIZE - USE 2" 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. FILTER CLOTH - WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE.

6. SURFACE WATER - ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED ACROSS 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 TRACTED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY.

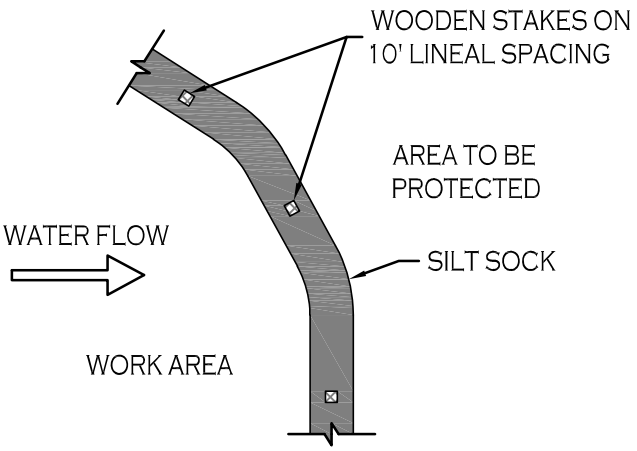
8. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON A AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.

9. PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.

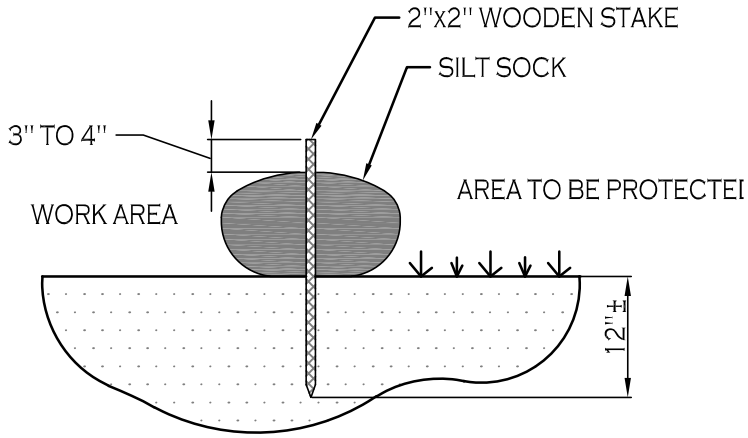
STABILIZED CONSTRUCTION ENTRANCE DETAIL

NOT TO SCALE

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)



PLAN VIEW



SECTION VIEW

NOTES:

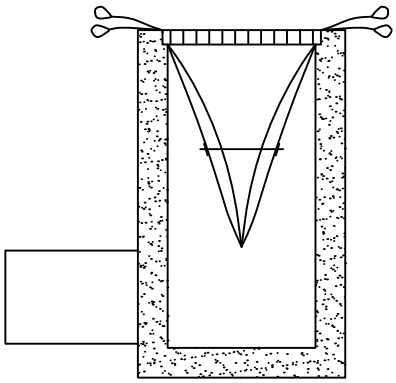
CONTRACTOR SHALL INSPECT AND MAINTAIN SILT SOCK AS NEEDED DURING THE DURATION OF CONSTRUCTION PROJECT.

CONTRACTOR SHALL REMOVE SEDIMENT COLLECTED AT THE BASE OF THE SILT SOCK WHEN IT HAS REACHED $\frac{1}{2}$ OF THE EXPOSED HEIGHT OF THE SILT SOCK. ALTERNATIVELY, RATHER THAN CREATE A SOIL DISTURBING ACTIVITY, THE ENGINEER MAY CALL FOR ADDITIONAL SILT SOCK TO BE ADDED AT AREAS OF HIGH SEDIMENTATION, PLACED IMMEDIATELY ON TOP OF THE EXISTING SEDIMENT LADEN SILT SOCK.

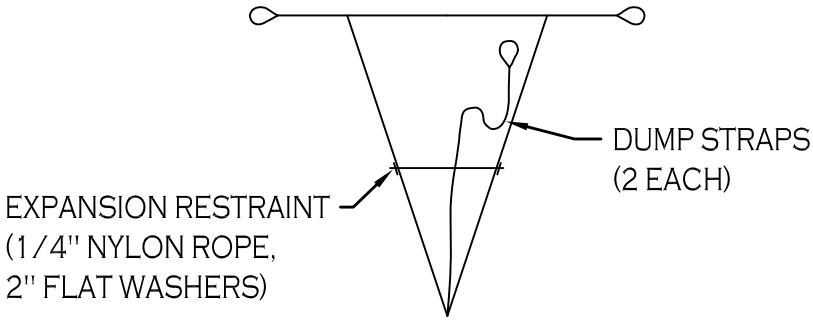
SILT SOCK DETAIL

NOT TO SCALE

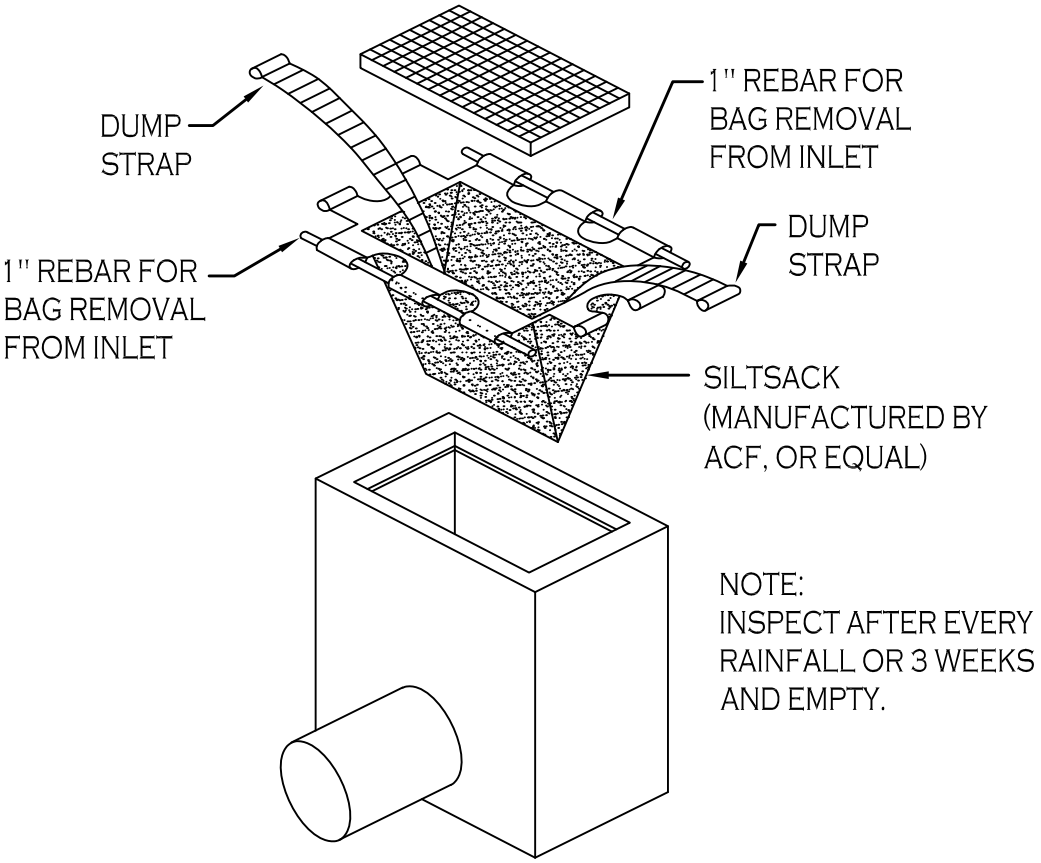
Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)



INSTALLATION DETAIL



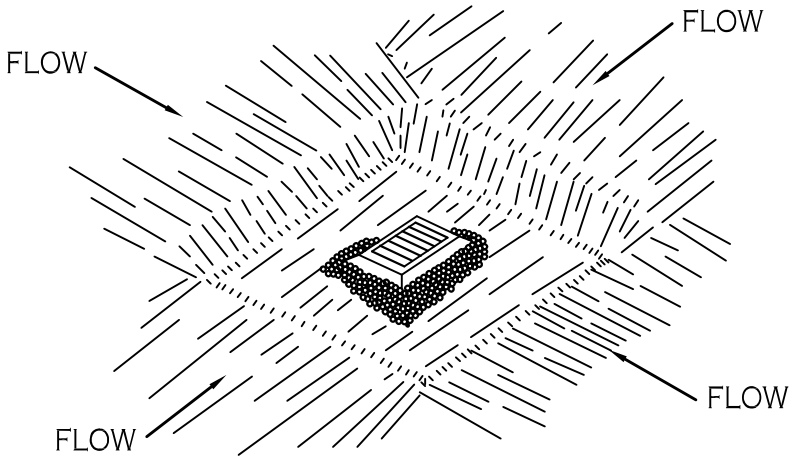
BAG DETAIL

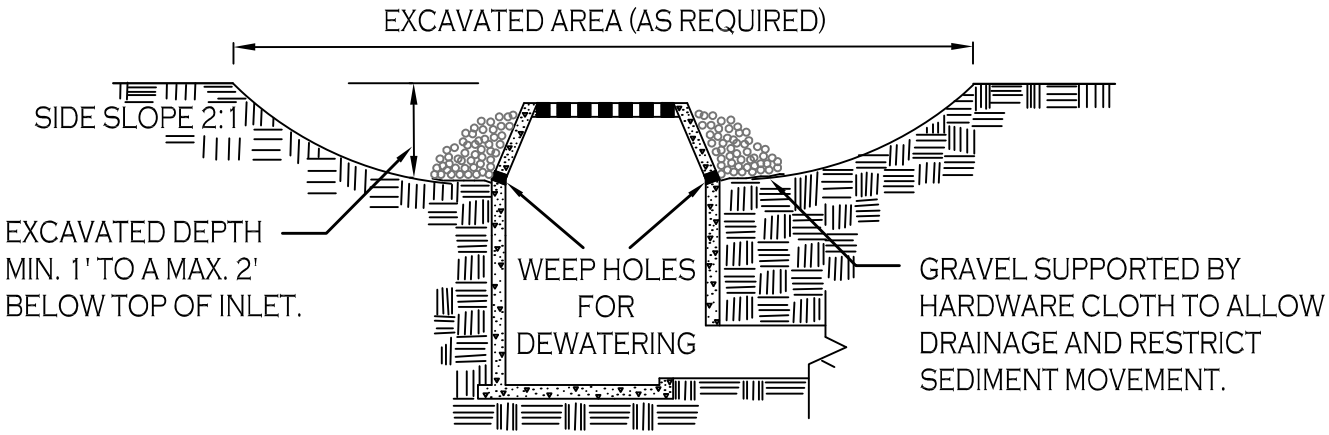


SILT SACK DETAIL

NOT TO SCALE

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)





CONSTRUCTION SPECIFICATIONS

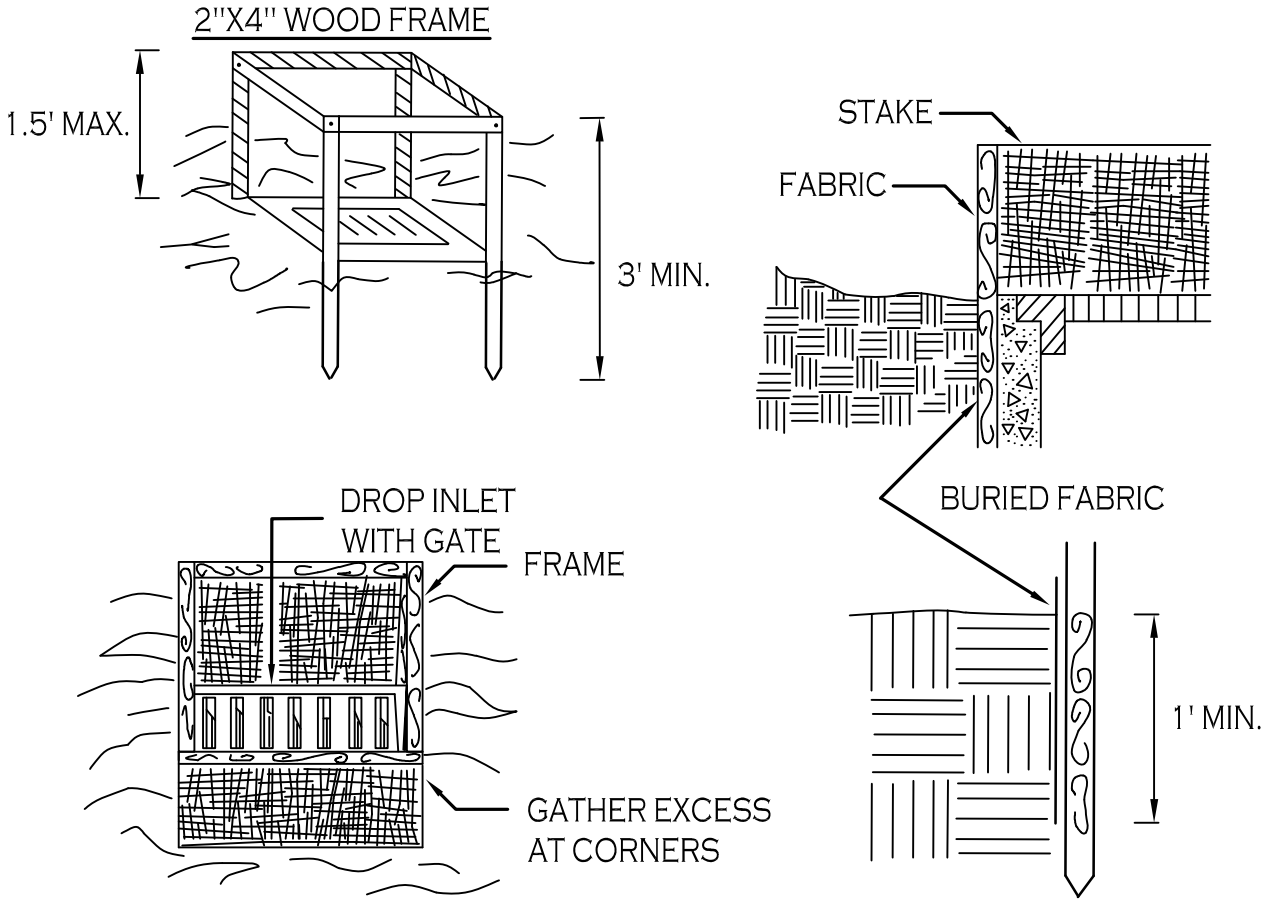
1. CLEAR THE AREA OF ALL DEBRIS THAT WILL HINDER EXCAVATION.
2. GRADE APPROACH TO THE INLET UNIFORMLY AROUND THE BASIN.
3. WEEP HOLES SHALL BE PROTECTED BY GRAVEL.
4. UPON STABILIZATION OF CONTRIBUTING DRAINAGE AREA, SEAL WEEP HOLES, FILL BASIN WITH STABLE SOIL TO FINAL GRADE, COMPACT IT PROPERLY AND STABILIZE WITH PERMANENT SEEDING.

MAXIMUM DRAINAGE AREA 1 ACRE

INLET PROTECTION DETAIL 1

NOT TO SCALE

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)



CONSTRUCTION SPECIFICATIONS

1. FILTER FABRIC SHALL HAVE AN EOS OF 40-85. BURLAP MAY BE USED FOR SHORT TERM APPLICATIONS.

2. CUT FABRIC FROM A CONTINUOUS ROLL TO ELIMINATE JOINTS. IF JOINTS ARE NEEDED THEY WILL BE OVERLAPPED TO THE NEXT STAKE.

3. STAKE MATERIALS WILL BE STANDARD 2" x 4" WOOD OR EQUIVALENT. METAL WITH A MINIMUM LENGTH OF 3 FEET.

4. SPACE STAKES EVENLY AROUND INLET 3 FEET APART AND DRIVE A MINIMUM 18 INCHES DEEP. SPANS GREATER THAN 3 FEET MAY BE BRIDGED WITH THE USE OF WIRE MESH BEHIND THE FILTER FABRIC FOR SUPPORT.

5. FABRIC SHALL BE EMBEDDED 1 FOOT MINIMUM BELOW GROUND AND BACKFILLED. IT SHALL BE SECURELY FASTENED TO THE STAKES AND FRAME.

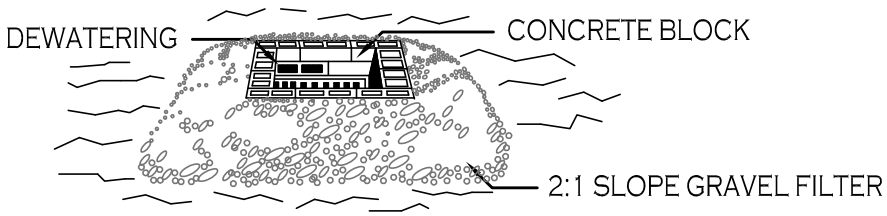
6. A 2" x 4" WOOD FRAME SHALL BE COMPLETED AROUND THE CREST OF THE FABRIC FOR OVER FLOW STABILITY.

MAXIMUN DRAINAGE AREA 1 ACRE

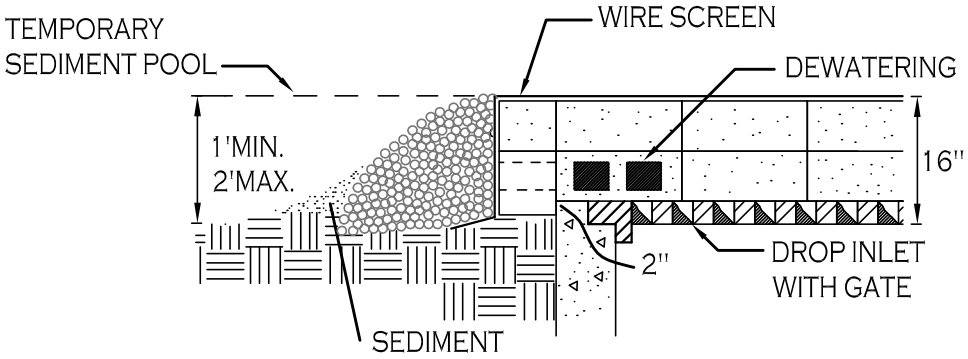
INLET PROTECTION DETAIL 2

NOT TO SCALE

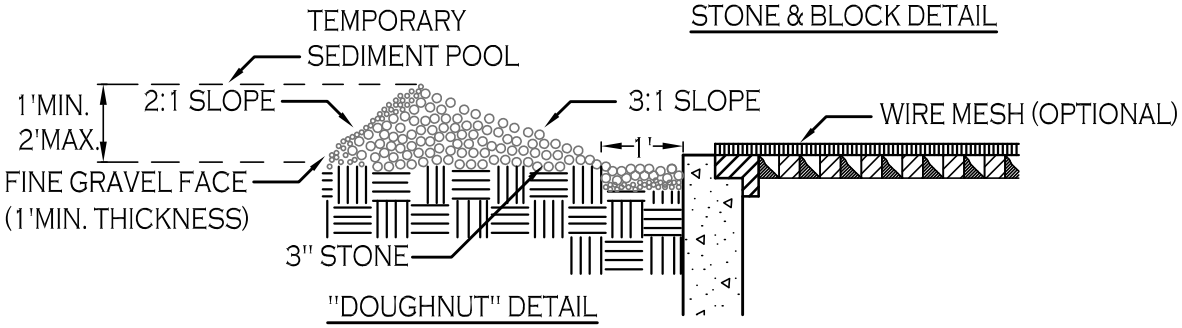
Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)



STONE & BLOCK PLAN VIEW



STONE & BLOCK DETAIL



"DOUGHNUT" DETAIL

CONSTRUCTION SPECIFICATIONS

1. LAY ONE BLOCK ON EACH SIDE OF THE STRUCTURE ON ITS SIDE FOR DEWATERING. FOUNDATION SHALL BE 2 INCHES MINIMUM BELOW REST OF INLET AND BLOCKS SHALL BE PLACED AGAINST INLET FOR SUPPORT.

2. HARDWARE CLOTH OR 1/2" WIRE MESH SHALL BE PLACED OVER BLOCK OPENINGS TO SUPPORT STONE.

3. USE CLEAN STONE OR GRAVEL 1/2-3/4 INCH IN DIAMETER PLACED 2 INCHES BELOW TOP OF THE BLOCK ON A 2:1 SLOPE OR FLATTER.

4. FOR STONE STRUCTURES ONLY, A 1 FOOT THICK LAYER OF THE FILTER STONE WILL BE PLACED AGAINST THE 3 INCH STONE AS SHOWN ON THE DRAWINGS.

MAXIMUM DRAINAGE AREA 1 ACRE

INLET PROTECTION DETAIL 3

NOT TO SCALE

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

EXISTING TREE PROTECTION FENCE

MATERIALS

MATERIALS FOR TEMPORARY PLASTIC BARRIER FENCES SHALL MEET THE FOLLOWING REQUIREMENTS:

- FENCE: HIGH-DENSITY POLYETHYLENE MESH, ULTRAVIOLET-STABILIZED MIN. 2 YEARS; MINIMUM HEIGHT 4.0 FEET. COLOR: HIGH-VISIBILITY ORANGE OR GREEN. WHEN USED TO PROTECT TREES OR OTHER VEGETATION, COLOR SHALL BE HIGH-VISIBILITY ORANGE.
- POSTS: RIGID METAL OR WOOD POSTS, MINIMUM LENGTH 6.0 FEET.
- TIES: STEEL WIRE, #14 GAUGE OR NYLON CABLE TIES.
- WARNING SIGNS: SHEET METAL, PLASTIC OR OTHER RIGID, WATERPROOF MATERIAL, 1.5 FEET BY 2.0 FEET WITH 4 INCH BLACK LETTERS ON A WHITE BACKGROUND. TEXT SHALL BE: "PROTECTED SITE - KEEP OUT" UNLESS OTHERWISE SPECIFIED.

DETAILS

FENCES SHALL BE ERECTED PRIOR TO MOVING CONSTRUCTION EQUIPMENT ONTO ANY AREA DESIGNATED FOR PROTECTION.

THE LINE OF FENCES SHALL BE STAKED OR MARKED OUT ON THE GROUND BY THE CONTRACTOR AND APPROVED BY THE ENGINEER/OWNER BEFORE ANY FENCE IS INSTALLED. WHERE USED FOR PROTECTION OF INDIVIDUAL TREES, FENCE SHALL BE PLACED AT THE DRIP LINE (EXTENT OF CANOPY). IF NOT POSSIBLE, PLACEMENT SHALL BE AS CLOSE TO THE DRIP LINE AS POSSIBLE AND IN NO CASE LESS THAN 5.0 FEET AWAY FROM THE TREE TRUNK.

ON APPROVAL OF THE STAKEOUT, POSTS SHALL BE SECURELY DRIVEN ON 6.0 FOOT-MAXIMUM CENTERS, NORMAL TO THE GROUND, TO A DEPTH 1/3 OF THE TOTAL POST LENGTH. PLASTIC BARRIER FENCE SHALL BE PLACED ALONG THE SIDE OF ALL POSTS. ENDS OF FENCING SEGMENTS SHALL OVERLAP A DISTANCE OF AT LEAST ONE HALF THE FENCE HEIGHT.

FENCING SHALL BE SECURED TO POSTS WITH WIRE OR CABLE TIES AT TOP, MIDDLE AND BOTTOM OF POST. FASTENER SHALL BE TIGHT ENOUGH TO PREVENT THE FENCING FROM SLIPPING DOWN. OVERLAPS SHALL ALSO BE SECURELY FASTENED.

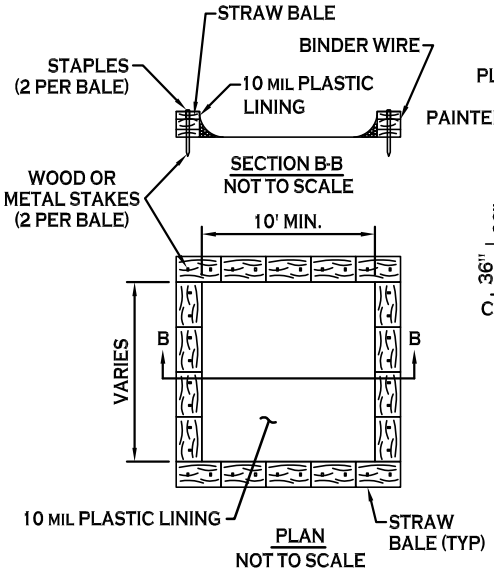
BARRIER FENCE WHICH IS NOT ORANGE IN COLOR SHALL BE FLAGGED AT 6.0 FOOT INTERVALS WITH RED OR ORANGE FLORESCENT TAPE. WARNING SIGNS SHALL BE MOUNTED ON THE FENCE AT NO MORE THAN 100 FOOT INTERVALS.

MAINTENANCE SHALL COMMENCE IMMEDIATELY AFTER ERECTION OF THE FENCE AND CONTINUE UNTIL ONE WEEK PRIOR TO ACCEPTANCE OF THE CONTRACT, AND SHALL CONSIST OF: REPLACING DAMAGED POST(S) AND FENCING; RE-FASTENING AND TIGHTENING FENCING; AND RESTORING FENCE TO ITS INTENDED HEIGHT.

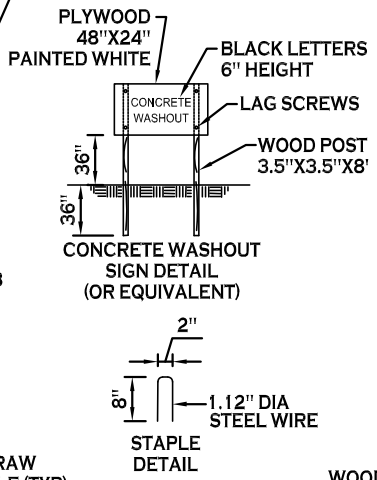
FENCING USED FOR TREE OR OTHER VEGETATION PROTECTION SHALL NOT BE TEMPORARILY REMOVED TO ALLOW EQUIPMENT ACCESS OVER A PROTECTED AREA, EXCEPT AS REQUIRED FOR ITEMS OF WORK SPECIFICALLY SHOWN ON THE PLANS AND APPROVED BY THE ENGINEER IN WRITING.

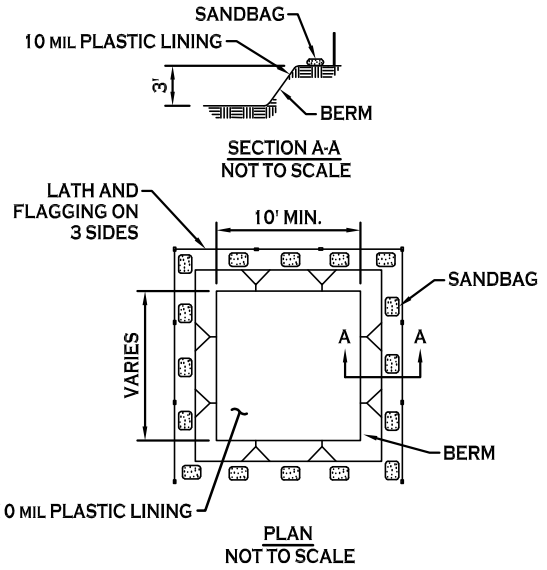
Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

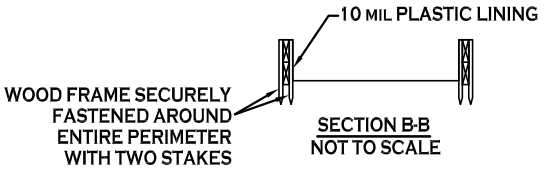


TYPE "ABOVE GRADE" WITH STRAW BALES



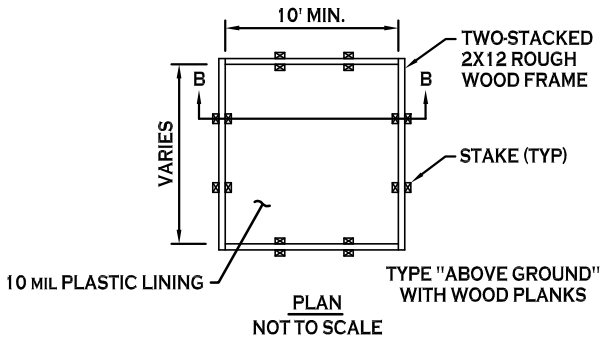


TYPE "BELOW GRADE"



NOTES

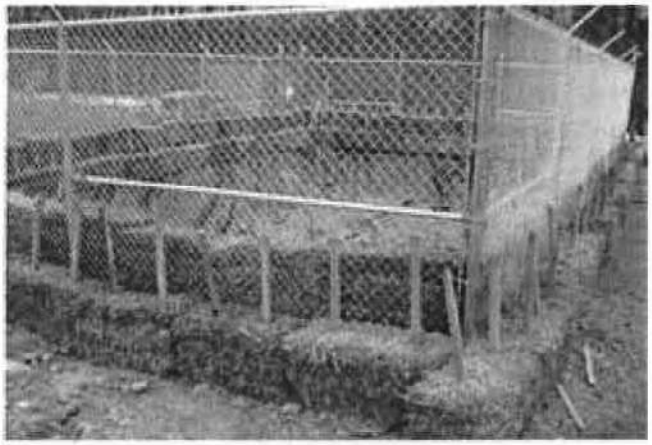
1. ACTUAL LAYOUT TO BE DETERMINED IN THE FIELD.
2. A CONCRETE WASHOUT SIGN SHALL BE INSTALLED WITHIN 30' OF THE TEMPORARY CONCRETE WASHOUT FACILITY.
3. MATERIALS USED TO CONSTRUCT TEMPORARY CONCRETE WASHOUT FACILITIES SHALL BE REMOVED FROM THE SITE OF THE WORK AND DISPOSED OF OR RECYCLED.
4. HOLES, DEPRESSIONS OR OTHER GROUND DISTURBANCE CAUSED BY THE REMOVAL OF THE TEMPORARY CONCRETE WASHOUT FACILITIES SHALL BE BACKFILLED, REPAIRED, AND STABILIZED TO PREVENT EROSION.



CONCRETE WASHOUT DETAIL

NOT TO SCALE

STANDARD AND SPECIFICATIONS FOR CONCRETE TRUCK WASHOUT



Definition & Scope

A temporary excavated or above ground lined constructed pit where concrete truck mixers and equipment can be washed after their loads have been discharged, to prevent highly alkaline runoff from entering storm drainage systems or leaching into soil.

Conditions Where Practice Applies

Washout facilities shall be provided for every project where concrete will be poured or otherwise formed on the site. This facility will receive highly alkaline wash water from the cleaning of chutes, mixers, hoppers, vibrators, placing equipment, trowels, and screeds. Under no circumstances will wash water from these operations be allowed to infiltrate into the soil or enter surface waters.

Design Criteria

Capacity: The washout facility should be sized to contain solids, wash water, and rainfall and sized to allow for the evaporation of the wash water and rainfall. Wash water shall be estimated at 7 gallons per chute and 50 gallons per hopper of the concrete pump truck and/or discharging drum. The minimum size shall be 8 feet by 8 feet at the bottom and 2 feet deep. If excavated, the side slopes shall be 2 horizontal to 1 vertical.

Location: Locate the facility a minimum of 100 feet from drainage swales, storm drain inlets, wetlands, streams and other surface waters. Prevent surface water from entering the structure except for the access road. Provide appropriate access with a gravel access road sloped down to the structure. Signs shall be placed to direct drivers to the facility after their load is discharged.

Liner: All washout facilities will be lined to prevent leaching of liquids into the ground. The liner shall be plastic sheeting with a minimum thickness of 10 mils with no holes or tears, and anchored beyond the top of the pit with an earthen berm, sand bags, stone, or other structural appurtenance except at the access point.

If pre-fabricated washouts are used they must ensure the capture and containment of the concrete wash and be sized based on the expected frequency of concrete pours. They shall be sited as noted in the location criteria.

Maintenance

- All concrete washout facilities shall be inspected daily. Damaged or leaking facilities shall be deactivated and repaired or replaced immediately. Excess rainwater that has accumulated over hardened concrete should be pumped to a stabilized area, such as a grass filter strip.
- 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 of the hardened material off-site in a construction/demolition landfill. On-site disposal may be allowed if this has been approved and accepted as part of the projects SWPPP. In that case, the material should be recycled as specified, or buried and covered with a minimum of 2 feet of clean compacted earthfill that is permanently stabilized to prevent erosion.
- The plastic liner shall be replaced with each cleaning of the washout facility.
- Inspect the project site frequently to ensure that no concrete discharges are taking place in non-designated areas.

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

Appendix K

Wetland Delineation Report

by Earth Dimensions Inc. Dated 12/21/2020

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

Wetland and Waterbodies Delineation Report

for

1789 DODGE ROAD

Town of Amherst

Erie County, New York

for

Joe Rubino

December 21, 2020
EDI Project Code: **W20J20a**

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 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_PP application 062625 (30512 : SUB-2024-02_PP, 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_PP application 062625 (30512 : SUB-2024-02_PP, 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_PP application 062625 (30512 : SUB-2024-02_PP, 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)	Jurisdictiona Determinatio
Stream 1	UNT to Ransom Creek/ Town of Amherst Ditch 26B	C	436.3 feet	20 to 25	Intermittent	Organic, silt	R4SB6	Jurisdictiona

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 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_PP application 062625 (30512 : SUB-2024-02_PP, 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_PP application 062625 (30512 : SUB-2024-02_PP, 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_PP application 062625 (30512 : SUB-2024-02_PP, 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_PP application 062625 (30512 : SUB-2024-02_PP, 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_PP application 062625 (30512 : SUB-2024-02_PP, 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_PP application 062625 (30512 : SUB-2024-02_PP, 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_PP application 062625 (30512 : SUB-2024-02_PP, 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_PP application 062625 (30512 : SUB-2024-02_PP, 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_PP application 062625 (30512 : SUB-2024-02_PP, 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_PP application 062625 (30512 : SUB-2024-02_PP, 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_PP application 062625 (30512 : SUB-2024-02_PP, 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_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

1789 DODGE ROAD

APPENDIX A - FIGURES

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

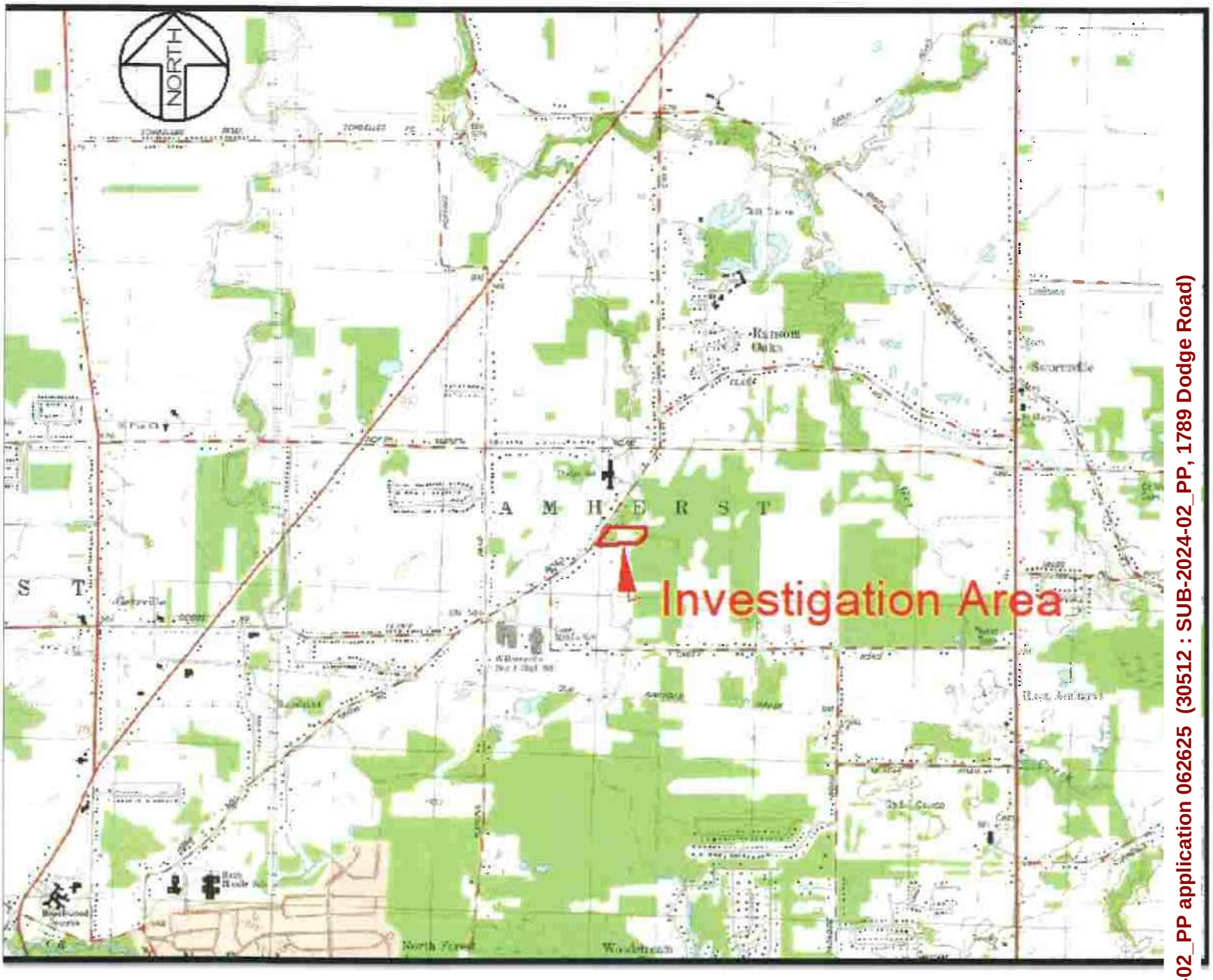


FIGURE 1: USGS 7.5 MINUTE TOPOGRAPHICAL MAP

Clarence Center Quadrangle / 2002 DeLorme

1789 Dodge Road

Town of Amherst, Erie County, New York

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 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_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

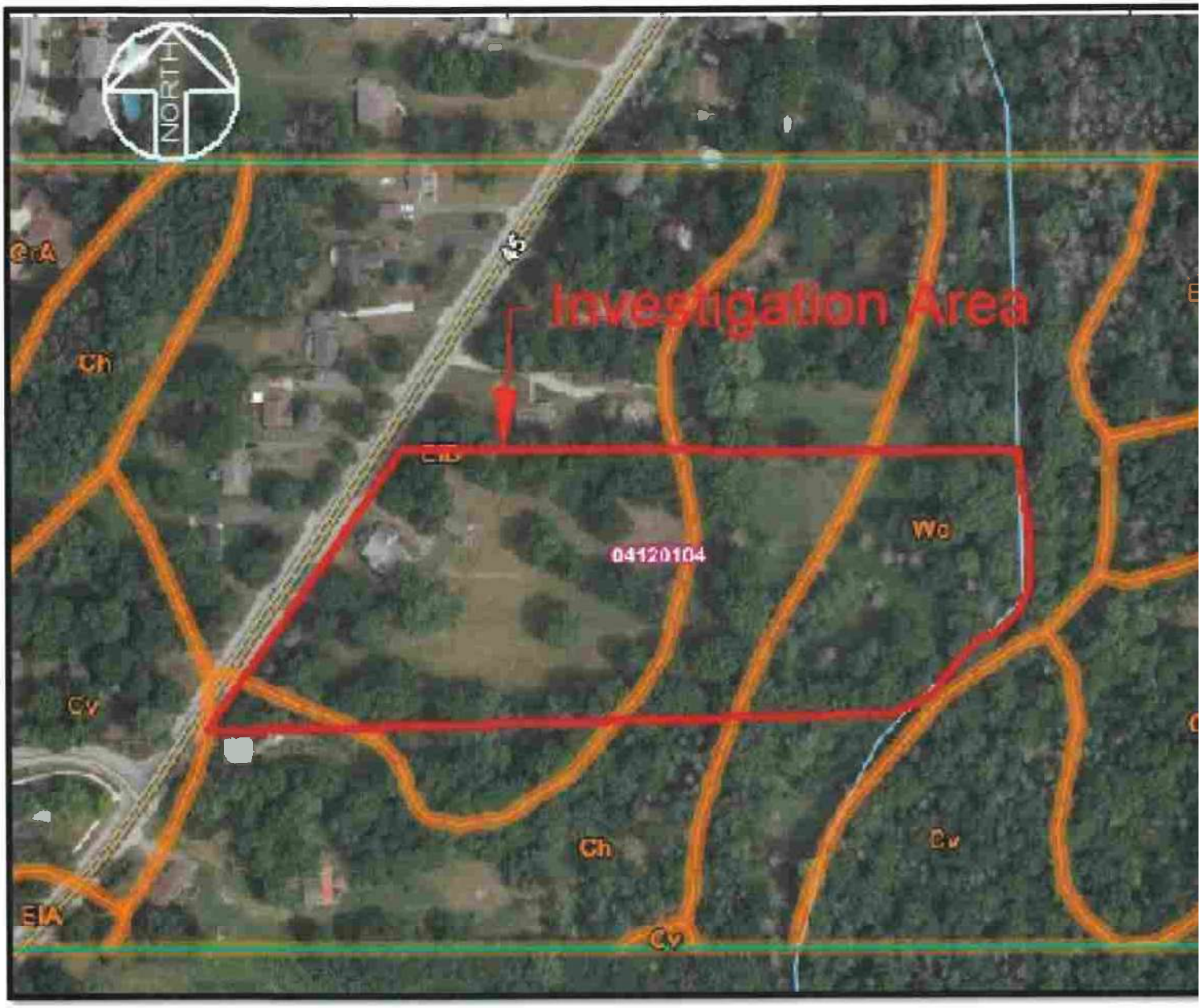


FIGURE 3: NRCS ERIE COUNTY SOIL SURVEY MAP

http://websoilsurvey.sc.egov.usda.gov/App/WebSoilSurvey.aspx (Visited 12/21/20)

1789 Dodge Road

Town of Amherst, Erie County, New York

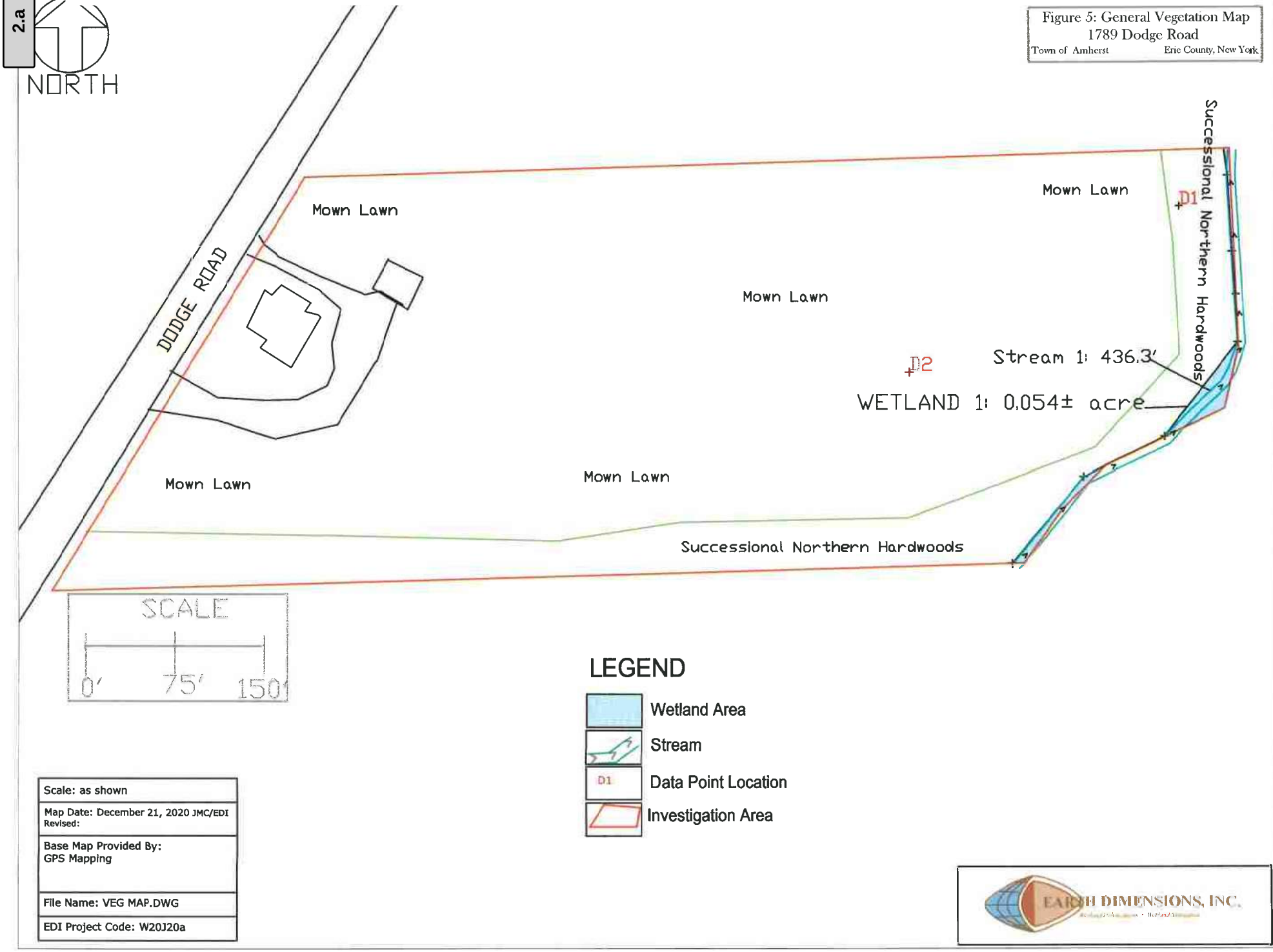
Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

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_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 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.

Figure 6: Wetland Delineation Map
1789 Dodge Road
Town of Amherst Erie County, New York

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

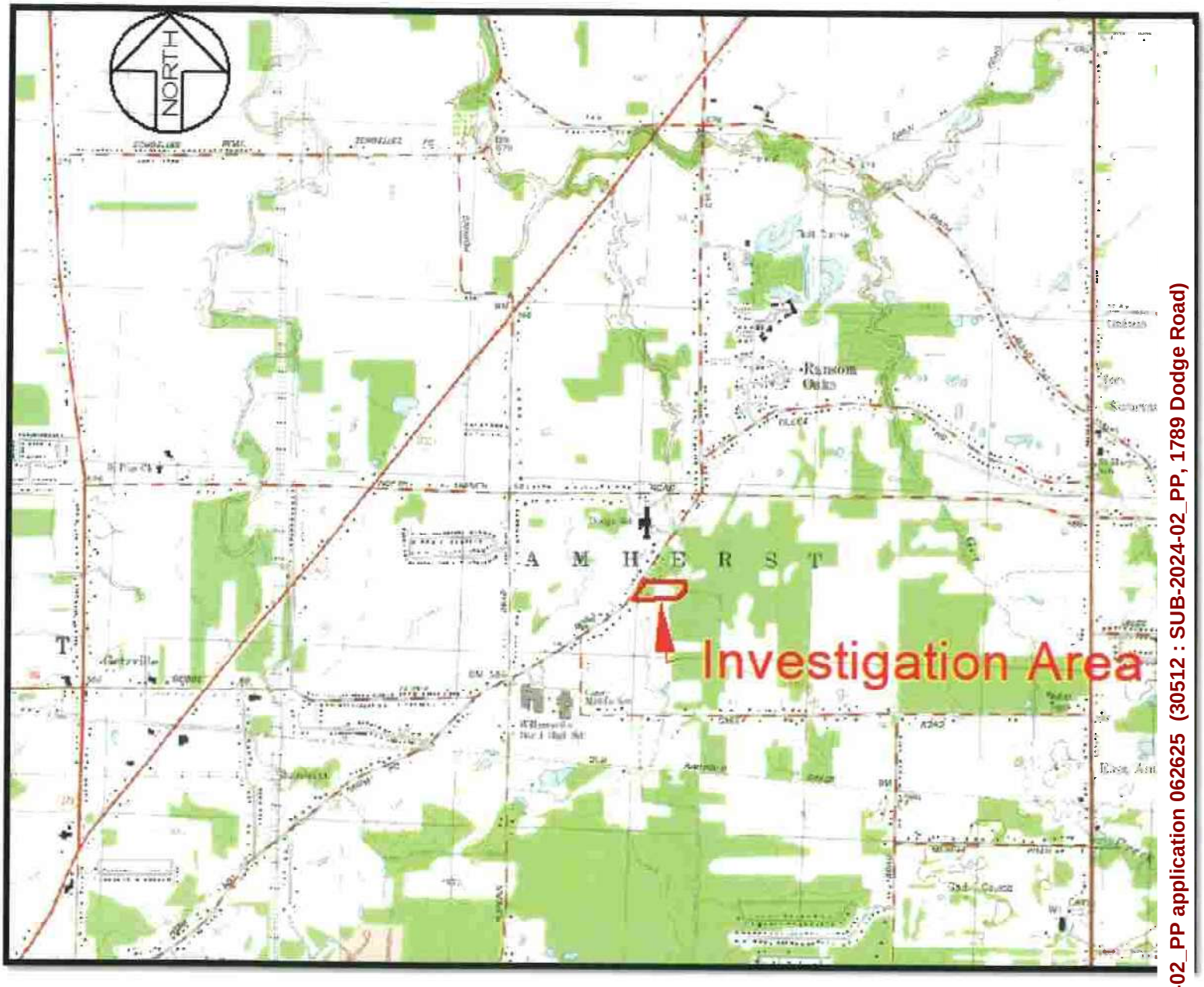


FIGURE 7: DRAINAGE MAP

Clarence Center Quadrangle / 2002 DeLorme

1789 Dodge Road

Town of Amherst, Erie County, New York

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 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_PP application 062625 (30512 : SUB-2024-02_PP, 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: DP1

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_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

Project Code: W20J20a

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_PP application 062625 (30512 : SUB-2024-02_PP, 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_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

Project Code: W20J20a

2.a

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: A2

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 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 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_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

Project Code: W20J20a

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_PP application 062625 (30512 : SUB-2024-02_PP, 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_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

1789 Dodge Road

Appendix C - Site Photographs

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 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_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

1789 Dodge Road

Appendix D - References

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

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Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

1789 Dodge Road

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

Appendix E - Wetland Investigation Personnel

Soils and Hydrology Sampling
Scott Livingstone, Senior Soil Scientist
Earth Dimensions, Inc.
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Elma, New York 14059
(716) 655-1717

Vegetation Sampling
Jody Celeste, Ecologist
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Report Preparation
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Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

Appendix L

Town of Amherst Stormwater Maintenance Agreement

Checklists

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

Bioretetion Areas (F-5)

Description: Shallow stormwater basin or landscaped area which utilizes engineered soils and vegetation to capture and treat runoff. The practice is often located in parking lot islands, and can also be used to treat residential areas.

KEY CONSIDERATIONS

CONVEYANCE

- Provide overflow for the 10-year storm to the conveyance system.
- Conveyance to the system is typically overland flow delivered to the surface of the system, typically through curb cuts or over a concrete lip.

PRETREATMENT

- Pretreatment consists of a grass channel or grass filter strip, a gravel diaphragm, and a mulch layer, sized based on the methodologies described in Section 6.4.2.

TREATMENT

- Treatment area should have a four foot deep planting soil bed, a surface mulch layer, and a 6" ponding layer.
- Size the treatment area using equations provided in Chapter 6.

LANDSCAPING

- Detailed landscaping plan required.

MAINTENANCE

- Inspect and repair/replace treatment area components
- Stone drop (at least 6") provided at the inlet
- Remulch annually

STORMWATER MANAGEMENT SUITABILITY

- [X] Water Quality
- [ ] Channel Protection
- [ ] Overbank Flood Protection
- [ ] Extreme Flood Protection

Accepts Hotspot Runoff: *Yes*
(requires impermeable liner)

IMPLEMENTATION CONSIDERATIONS

- [M] Capital Cost
- [M] Maintenance Burden

Residential
Subdivision Use: *Yes*

High Density/Ultra-Urban: *Yes*

Drainage Area: *5 acres max.*

Soils: *Planting soils must meet specified criteria; No restrictions on surrounding soils*

Other Considerations:

- *Use of native plants is recommended*

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

	Key: L=Low **M**=Medium **H**=High **POLLUTANT REMOVAL** **G** Phosphorus **G** Nitrogen **G** Metals - Cadmium, Copper, Lead, and Zinc removal **F** Pathogens – Coliform, Streptococci, E.Coli removal **Key**: **G**=Good **F**=Fair **P**=Poor

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

Bioretention Construction Inspection Checklist

Project:
Location:
Site Status:

Date:

Time:

Inspector:

CONSTRUCTION SEQUENCE	SATISFACTORY/ UNSATISFACTORY	COMMENTS
1. Pre-Construction		
Pre-construction meeting		
Runoff diverted		
Facility area cleared		
If designed as exfilter, soil testing for permeability		
Facility location staked out		
2. Excavation		
Size and location		
Lateral slopes completely level		
If designed as exfilter, ensure that excavation does not compact susoils.		
Longitudinal slopes within design range		

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

CONSTRUCTION SEQUENCE	SATISFACTORY / UNSATISFACTORY	COMMENTS
3. Structural Components		
Stone diaphragm installed correctly		
Outlets installed correctly		
Underdrain		
Pretreatment devices installed		
Soil bed composition and texture		
4. Vegetation		
Complies with planting specs		
Topsoil adequate in composition and placement		
Adequate erosion control measures in place		
5. Final Inspection		
Dimensions		
Proper stone diaphragm		
Proper outlet		
Soil/ filter bed permeability testing		
Effective stand of vegetation and stabilization		
Construction generated sediments removed		
Contributing watershed stabilized before flow is diverted to the practice		

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

Comments:

Actions to be Taken:

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

Bioretention Operation, Maintenance and Management Inspection Checklist

Project:
Location:
Site Status:

Date:

Time:

Inspector:

MAINTENANCE ITEM	SATISFACTORY / UNSATISFACTORY	COMMENTS
1. Debris Cleanout (Monthly)		
Bioretention and contributing areas clean of debris		
No dumping of yard wastes into practice		
Litter (branches, etc.) have been removed		
2. Vegetation (Monthly)		
Plant height not less than design water depth		
Fertilized per specifications		
Plant composition according to approved plans		
No placement of inappropriate plants		
Grass height not greater than 6 inches		
No evidence of erosion		
3. Check Dams/Energy Dissipaters/Sumps (Annual, After Major Storms)		
No evidence of sediment buildup		

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

MAINTENANCE ITEM	SATISFACTORY / UNSATISFACTORY	COMMENTS
Sumps should not be more than 50% full of sediment		
No evidence of erosion at downstream toe of drop structure		
4. Dewatering (Monthly)		
Dewaters between storms		
No evidence of standing water		
5. Sediment Deposition (Annual)		
Swale clean of sediments		
Sediments should not be > 20% of swale design depth		
6. Outlet/Overflow Spillway (Annual, After Major Storms)		
Good condition, no need for repair		
No evidence of erosion		
No evidence of any blockages		
7. Integrity of Filter Bed (Annual)		
Filter bed has not been blocked or filled inappropriately		

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

Comments:

Actions to be Taken:

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

Stormwater Ponds

Description: Constructed stormwater retention basin that has a permanent pool (or micropool). Runoff from each rain event is detained and treated in the pool through settling and biological uptake mechanisms.

Design Options: Micropool Extended Detention (P-1), Wet Pond (P-2), Wet Extended Detention (P-3), Multiple Pond (P-4), Pocket Pond (P-5)

KEY CONSIDERATIONS

FEASIBILITY

- Contributing drainage area greater than 10 acres for P-1, 25 acres for P-2 to P-4.
- Follow DEC Guidelines for Design of Dams.
- Provide a minimum 2' separation from the groundwater in sole source aquifers.
- Do not locate ponds in jurisdictional wetlands.
- Avoid directing hotspot runoff to design P-5.

CONVEYANCE

- Forebay at each inlet, unless the inlet contributes less than 10% of the total inflow, 4' to 6' deep.
- Stabilize the channel below the pond to prevent erosion.
- Stilling basin at the outlet to reduce velocities.

PREATREATMENT

- Forebay volume at least 10% of the WQ_v
- Forebay shall be designed with non-erosive outlet conditions.
- Provide direct access to the forebay for maintenance equipment
- In sole source aquifers, provide 100% pretreatment for hotspot runoff.

TREATMENT

- Provide the water quality volume in a combination of permanent pool and extended detention (Table 6.1 in manual provides limitations on storage breakdown)
- Minimum length to width ratio of 1.5:1
- Minimum surface area to drainage area ratio of 1:100

LANDSCAPING

STORMWATER MANAGEMENT SUITABILITY

X	Water Quality
X	Channel Protection
X	Overbank Flood Protection
X	Extreme Flood Protection

Accepts Hotspot Runoff: *Yes*

(2 feet minimum separation distance required to water table)

FEASIBILITY CONSIDERATIONS

L	Cost
L	Maintenance Burden

Key: L=Low **M**=Moderate **H**=High

Residential Subdivision Use: Yes

High Density/Ultra-Urban: *No*

Soils: *Hydrologic group 'A' soils may require pond liner*

Hydrologic group 'D' soils may have compaction constraints

Other Considerations:

- *Thermal effects*

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

- Provide a minimum 10’ and preferably 15’ safety bench extending from the high water mark, with a maximum slope of 6%.
- Provide an aquatic bench extending 15 feet outward from the shoreline, and a maximum depth of 18" below normal water elevation.
- Develop a landscaping plan.
- Provide a 25’pond buffer.
- No woody vegetation within 15 feet of the toe of the embankment, or 25 feet from the principal spillway.

MAINTENANCE REQUIREMENTS

- Legally binding maintenance agreement
- Sediment removal from forebay every five to six years or when 50% full.
- Provide a maintenance easement and right-of-way.
- Removable trash rack on the principal spillway.
- Non-clogging low flow orifice
- Riser in the embankment.
- Pond drain required, capable of drawing down the pond in 24 hours.
- Notification required for pond drainage.
- Provide an adjustable gate valve on both the WQ_v-ED pipe, and the pond drain.
- Side Slopes less than 3:1, and terminate at a safety bench.
- Principal spillway shall not permit access by small children, and endwalls above pipes greater than 48” in diameter shall be fenced.

- *Outlet clogging*
- *Safety bench*

POLLUTANT REMOVAL

G	Phosphorus
G	Nitrogen
G	Metals - Cadmium, Copper,Lead, and Zinc removal
G	Pathogens Coliform, E.Coli, Streptococci removal

Key: G=Good **F**=Fair **P**=Poor

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

Stormwater/Wetland Pond Construction Inspection Checklist

Project:
Location:
Site Status:

Date:

Time:

Inspector:

CONSTRUCTION SEQUENCE	SATISFACTORY/ UNSATISFACTORY	COMMENTS
Pre-Construction/Materials and Equipment		
Pre-construction meeting		
Pipe and appurtenances on-site prior to construction and dimensions checked		
1. Material (including protective coating, if specified)		
2. Diameter		
3. Dimensions of metal riser or pre-cast concrete outlet structure		
4. Required dimensions between water control structures (orifices, weirs, etc.) are in accordance with approved plans		
5. Barrel stub for prefabricated pipe structures at proper angle for design barrel slope		
6. Number and dimensions of prefabricated anti-seep collars		
7. Watertight connectors and gaskets		
8. Outlet drain valve		
Project benchmark near pond site		
Equipment for temporary de-watering		

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

CONSTRUCTION SEQUENCE	SATISFACTORY/ UNSATISFACTORY	COMMENTS
2. Subgrade Preparation		
Area beneath embankment stripped of all vegetation, topsoil, and organic matter		
3. Pipe Spillway Installation		
Method of installation detailed on plans		
A. Bed preparation		
Installation trench excavated with specified side slopes		
Stable, uniform, dry subgrade of relatively impervious material (If subgrade is wet, contractor shall have defined steps before proceeding with installation)		
Invert at proper elevation and grade		
B. Pipe placement		
Metal / plastic pipe		
1. Watertight connectors and gaskets properly installed		
2. Anti-seep collars properly spaced and having watertight connections to pipe		
3. Backfill placed and tamped by hand under “haunches” of pipe		
4. Remaining backfill placed in max. 8 inch lifts using small power tamping equipment until 2 feet cover over pipe is reached		

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

CONSTRUCTION SEQUENCE	SATISFACTORY/ UNSATISFACTORY	COMMENTS
3. Pipe Spillway Installation		
Concrete pipe		
1. Pipe set on blocks or concrete slab for pouring of low cradle		
2. Pipe installed with rubber gasket joints with no spalling in gasket interface area		
3. Excavation for lower half of anti-seep collar(s) with reinforcing steel set		
4. Entire area where anti-seep collar(s) will come in contact with pipe coated with mastic or other approved waterproof sealant		
5. Low cradle and bottom half of anti-seep collar installed as monolithic pour and of an approved mix		
6. Upper half of anti-seep collar(s) formed with reinforcing steel set		
7. Concrete for collar of an approved mix and vibrated into place (protected from freezing while curing, if necessary)		
8. Forms stripped and collar inspected for honeycomb prior to backfilling. Parge if necessary.		
C. Backfilling		
Fill placed in maximum 8 inch lifts		
Backfill taken minimum 2 feet above top of anti-seep collar elevation before traversing with heavy equipment		

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

CONSTRUCTION SEQUENCE	SATISFACTORY/ UNSATISFACTORY	COMMENTS
4. Riser / Outlet Structure Installation		
Riser located within embankment		
A. Metal riser		
Riser base excavated or formed on stable subgrade to design dimensions		
Set on blocks to design elevations and plumbed		
Reinforcing bars placed at right angles and projecting into sides of riser		
Concrete poured so as to fill inside of riser to invert of barrel		
B. Pre-cast concrete structure		
Dry and stable subgrade		
Riser base set to design elevation		
If more than one section, no spalling in gasket interface area; gasket or approved caulking material placed securely		
Watertight and structurally sound collar or gasket joint where structure connects to pipe spillway		
C. Poured concrete structure		
Footing excavated or formed on stable subgrade, to design dimensions with reinforcing steel set		
Structure formed to design dimensions, with reinforcing steel set as per plan		
Concrete of an approved mix and vibrated into place (protected from freezing while curing, if necessary)		
Forms stripped & inspected for “honeycomb” prior to backfilling; parge if necessary		

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

CONSTRUCTION SEQUENCE	SATISFACTORY/ UNSATISFACTORY	COMMENTS
5. Embankment Construction		
Fill material		
Compaction		
Embankment		
1. Fill placed in specified lifts and compacted with appropriate equipment		
2. Constructed to design cross-section, side slopes and top width		
3. Constructed to design elevation plus allowance for settlement		
6. Impounded Area Construction		
Excavated / graded to design contours and side slopes		
Inlet pipes have adequate outfall protection		
Forebay(s)		
Pond benches		
7. Earth Emergency Spillway Construction		
Spillway located in cut or structurally stabilized with riprap, gabions, concrete, etc.		
Excavated to proper cross-section, side slopes and bottom width		
Entrance channel, crest, and exit channel constructed to design grades and elevations		

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

CONSTRUCTION SEQUENCE	SATISFACTORY / UNSATISFACTORY	COMMENTS
8. Outlet Protection		
A. End section		
Securely in place and properly backfilled		
B. Endwall		
Footing excavated or formed on stable subgrade, to design dimensions and reinforcing steel set, if specified		
Endwall formed to design dimensions with reinforcing steel set as per plan		
Concrete of an approved mix and vibrated into place (protected from freezing, if necessary)		
Forms stripped and structure inspected for "honeycomb" prior to backfilling; parge if necessary		
C. Riprap apron / channel		
Apron / channel excavated to design cross-section with proper transition to existing ground		
Filter fabric in place		
Stone sized as per plan and uniformly place at the thickness specified		
9. Vegetative Stabilization		
Approved seed mixture or sod		
Proper surface preparation and required soil amendments		
Excelsior mat or other stabilization, as per plan		

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

CONSTRUCTION SEQUENCE	SATISFACTORY/ UNSATISFACTORY	COMMENTS
10. Miscellaneous		
Drain for ponds having a permanent pool		
Trash rack / anti-vortex device secured to outlet structure		
Trash protection for low flow pipes, orifices, etc.		
Fencing (when required)		
Access road		
Set aside for clean-out maintenance		
11. Stormwater Wetlands		
Adequate water balance		
Variety of depth zones present		
Approved pondscaping plan in place Reinforcement budget for additional plantings		
Plants and materials ordered 6 months prior to construction		
Construction planned to allow for adequate planting and establishment of plant community (April-June planting window)		
Wetland buffer area preserved to maximum extent possible		

Comments:

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

Actions to be Taken:

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

Stormwater Pond/Wetland Operation, Maintenance and Management Inspection Checklist

Project _____
Location: _____
Site Status: _____

Date: _____
Time: _____

Inspector: _____

Maintenance Item	Satisfactory/ Unsatisfactory	Comments
1. Embankment and emergency spillway (Annual, After Major Storms)		
1. Vegetation and ground cover adequate		
2. Embankment erosion		
3. Animal burrows		
4. Unauthorized planting		
5. Cracking, bulging, or sliding of dam		
a. Upstream face		
b. Downstream face		
c. At or beyond toe		
downstream		
upstream		
d. Emergency spillway		
6.Pond, toe & chimney drains clear and functioning		
7.Seeps/leaks on downstream face		
8.Slope protection or riprap failure		
9. Vertical/horizontal alignment of top of dam "As-Built"		

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

Maintenance Item	Satisfactory/ Unsatisfactory	Comments
10. Emergency spillway clear of obstructions and debris		
11. Other (specify)		
2. Riser and principal spillway (Annual)		
Type: Reinforced concrete _____ Corrugated pipe _____ Masonry _____ 1. Low flow orifice obstructed		
2. Low flow trash rack. a. Debris removal necessary		
b. Corrosion control		
3. Weir trash rack maintenance a. Debris removal necessary		
b. corrosion control		
4. Excessive sediment accumulation insider riser		
5. Concrete/masonry condition riser and barrels a. cracks or displacement		
b. Minor spalling (<1")		
c. Major spalling (rebars exposed)		
d. Joint failures		
e. Water tightness		
6. Metal pipe condition		
7. Control valve a. Operational/exercised		
b. Chained and locked		
8. Pond drain valve a. Operational/exercised		
b. Chained and locked		
9. Outfall channels functioning		
10. Other (specify)		

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

Maintenance Item	Satisfactory/ Unsatisfactory	Comments
3. Permanent Pool (Wet Ponds) (monthly)		
1. Undesirable vegetative growth		
2. Floating or floatable debris removal required		
3. Visible pollution		
4. Shoreline problem		
5. Other (specify)		
4. Sediment Forebays		
1.Sedimentation noted		
2. Sediment cleanout when depth < 50% design depth		
5. Dry Pond Areas		
1. Vegetation adequate		
2. Undesirable vegetative growth		
3. Undesirable woody vegetation		
4. Low flow channels clear of obstructions		
5. Standing water or wet spots		
6. Sediment and / or trash accumulation		
7. Other (specify)		
6. Condition of Outfalls (Annual , After Major Storms)		
1. Riprap failures		
2. Slope erosion		
3. Storm drain pipes		
4.Endwalls / Headwalls		
5. Other (specify)		
7. Other (Monthly)		
1. Encroachment on pond, wetland or easement area		

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

Maintenance Item	Satisfactory/ Unsatisfactory	Comments
2. Complaints from residents		
3.Aesthetics a. Grass growing required		
b. Graffiti removal needed		
c. Other (specify)		
4. Conditions of maintenance access routes.		
5. Signs of hydrocarbon build-up		
6. Any public hazards (specify)		
8. Wetland Vegetation (Annual)		
1. Vegetation healthy and growing Wetland maintaining 50% surface area coverage of wetland plants after the second growing season. (If unsatisfactory, reinforcement plantings needed)		
2. Dominant wetland plants: Survival of desired wetland plant species Distribution according to landscaping plan?		
3. Evidence of invasive species		
4. Maintenance of adequate water depths for desired wetland plant species		
5. Harvesting of emergent plantings needed		
6. Have sediment accumulations reduced pool volume significantly or are plants “choked” with sediment		
7. Eutrophication level of the wetland.		
8. Other (specify)		

Comments:

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

Actions to be Taken:

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

STORMWATER CONTROL FACILITY
MAINTENANCE AGREEMENT

Stormwater Management Facility Inspection Procedures

Post Construction Operation & Maintenance:

1. On a quarterly basis, perform the following:
   a. Inspect catch basins, manholes and storm piping for debris and accumulation of sediment.
   b. Remove and properly dispose of any collected debris from structures.
   c. Flush storm sewers with water, if necessary, to remove accumulated sediment.
   d. Check all rip rap stone for erosion and re-stone, if necessary, to prevent further erosion.
   e. Inspect grass and landscaped areas for un-vegetated areas or areas with less than 80% healthy stand of grass and reseed and mulch as necessary. Water areas daily if reseeded between July and August.

2. Maintain all lawn areas by regular mowing, including the grass slopes of the detention basins. Any eroded areas shall be re-graded, seeded and mulched immediately.

3. Inspect detention basins for debris and sediment accumulation two times per year (spring and fall). Debris and sediment accumulation should be removed from the basin every five to six years or with sediment buildup over 6" in depth. Remove and properly dispose of any collected debris and sediment.

4. The bioretention area shall be maintained as required in the NYSDEC Stormwater Management Design Manual and as a component of the property landscaping and shall be maintained on a regular basis. Sediment must be removed when accumulation depth exceeds on inch. Any erosion of the bioretention berm must be repaired as soon as possible to prevent diversion around the bioretention area.

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

Appendix M

NYDEC Letter

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

CARMINA WOOD DESIGN

ENGINEER'S REPORT

for

Single Family Subdivision

1789 Dodge Road
Town of Amherst, Erie County, New York State

Prepared for

Joesph Rubino

5500 Main Street, Suite 343
Williamsville, New York, 14221

Prepared by

Carmina Wood Design

80 Silo City Row, Suite 100
Buffalo, NY 14203

Telephone: (716) 842-3165
Fax: (716) 842-0263

February 2025

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

Table of Contents

Written Engineer's Report

Section 1 - Location & Description
Section 2 - Water Service
Section 3 - Sanitary Sewer Service
Section 4 - Storm Sewer Service

Attachments

Appendix A Sanitary Sewer and Water Demand Calculations

- Downstream Sewer Capacity Analysis
- Water Demand Calculations

Appendix B Storm System Drainage Calculations

- Existing Runoff
- Proposed Runoff
  - Green Infrastructure & Water Quality Calculations
- Storm Sewer Calculations

Appendix C Earthwork Calculations

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

Section 1 - Location & Description

This project is a development of a 6.71 acre site located on the east side of Dodge Road in the Town of Amherst for a single family subdivision. Construction will consist of a proposed public roadway, public storm sewer, sanitary sewer and water mains, lighting and landscaping improvements. Seventeen (17) lots are proposed for the roadway extension, fourteen (14) of which will be building lots. One lot will be used for stormwater management areas and two lots will be permeant open space areas. Currently the site consists of a single-family house but the majority of the site is undeveloped woodlands, wetlands and open grass areas. Approximately 0.12 acres of the site are designated as Federal wetlands. The proposed site development area to be disturbed for this project is approximately 5.61 acres when construction is completed.

Section 2 - Water Service

An existing 8" public PVC water main is located along the west side of Dodge Road that will be the source of water for this project. Approximately 637 LF of new 8" AWWA C-900 PVC water main will be installed along the public road. New ¾" Type 'k" copper services will tap the new 8" main and be installed for building each lot. Two (2) new public fire hydrants will be installed with maximum spacing not to exceed 400 feet.

Pipe material for the new main, hydrant installation and all fittings, valves, etc. will be in accordance with Erie County Water Authority (ECWA) standards. Per hydrant flow test provided by ECWA, the existing static pressure in the 8" PVC water main on Dodge Road Road was approximately 96 psi and the residual pressure was 84 psi. The proposed main, hydrant branches and hydrants will be installed and tested in accordance with ECWA Standard Specifications. Inspection and certification of the installation and testing of the water samples will be done by the ECWA. There are no conflicts with existing utilities in the area, the land is currently vacant. The proposed water main will maintain physical separation from other utilities as specified per Ten States Standards.

Domestic Summary:

Peak Operating Demand:	51 gpm
Water Main:	8" PVC on Dodge Road
Static Pressure:	96 psi (per ECWA)

See attached water demand calculations in Appendix A for additional information.

Section 3 - Sanitary Sewer Service

Proposed is 557 lf of 8" SDR-35 PVC public sanitary sewer, connected to the existing 8" sanitary sewer main along the east side of Dodge Road. The proposed sewer extension will run along the south side of the proposed roadway extension. Each proposed building lot will wye connect to the proposed 8" sanitary sewer via a 6" SDR-35 PVC sanitary lateral at 2.0% minimum slope.

Design Parameters

4-bedroom house: 440 gal/day/house x 17 houses = 7,480 gpd

7,480 gpd * 4.28 = 31,985 gpd *use peaking factor of 4.28

The hydraulic loading rate is per "Design Standards for Intermediate Sized Wastewater Treatment Systems" 2014, NYSDEC.

Downstream sewer capacity analysis is included within the Appendix of this report.

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

Section 4 - Storm Sewer Service

The site drains from the west to the east and south. A portion of the site drains to Dodge Road on the west side of the property. The rest of the site drains to the south side of the property or to an existing federal wetland on the east side of the property.

The proposed onsite storm sewer system for this development project consists of smooth interior and perforated HDPE pipes connected by a series of catch basins. The storm water management system for this project consists of one bioretention areas and one pond that has an outlet control structure prior to discharge. The ponds drain to the existing wetland. The bioretention areas proposed on site are designed to provide 100% of the required Runoff Reduction volume (RRv) for the site. The soils in the vicinity of the bioretention area are mainly USDA hydrologic group 'D' and therefore the system will be installed with underdrains per NYSDEC requirements. The bioretention areas will consist of 8" perforated HDPE underdrains in 12" of drainage gravel, followed by filter fabric and then finally 30" minimum of planting soil. Overflow catch basins will be installed to allow 6" maximum temporary ponding for RRv treatment. The proposed detention pond outlet control pipe is designed to accommodate the 1-year through 100-year storm events controlling the offsite runoff rate to less than the existing runoff rates for pre-development drainage area which drains to the existing stream.

Runoff reduction volume (RRv), water quality volume (WQv) and stormwater volume attenuation for the site is designed in accordance with Chapter 4 of the NYSDEC Stormwater design manual. The bioretention areas will be provided as a "green infrastructure" practice to provide runoff reduction to meet the Chapter 4 requirements for the currently undeveloped areas. Runoff from the site was looked at as a whole for the calculation of volume attenuation requirements. The amount of impervious cover post-development is 1.57 acres. The proposed detention ponds are designed to accommodate the 1-year through 100-year storm events controlling the offsite runoff rate to less than the existing runoff rates.

Town of Amherst Requirement:
The Town of Amherst requires that the 25-year proposed storm event be attenuated with detention and that the outlet be restricted to the 10-year existing storm event. This volume of 16,041 cf is accommodated in the detention basin at elevation 583.35. At this elevation, the outlet discharge will be restricted to 6.29 cfs from the pond, which is less than the existing 10-year peak runoff outflow of 7.47 cfs of the overall site.

Detention Pond Summary:

Top of basin elevation = 585.00
Bottom of basin elevation = 578.50
Max. pond storage volume = 20,698 cf @ 583.86

Water Quality Summary:
WQv req'd = 7,594 cf (0.174 ac-ft)
RRv min. req'd = 4,182 cf (0.096 ac-ft)
RRv provided - bioretention area = 4,224 cf (0.097 ac-ft)
WQv provided – bioretention area = 3,370 cf (0.077 ac-ft)
Total RRv + WQv provided = 4,224 cf + 3,370 cf = 7,594 cf (0.174 ac-ft)

Bioretention: 100% of minimum post-development Runoff Reduction volume (RRv)
Area: 4,400 sf
Bottom Elevation: 582.50

Detention: Comparison of the existing 1-year vs. the proposed 1-year runoff
Comparison of the existing 10-year vs. the proposed 10-year runoff
Comparison of the existing 10-year vs. the proposed 25-year runoff

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

Comparison of the existing 100-year vs. the proposed 100-year runoff

Runoff Summary

Drainage Area

Event	Ex. Runoff (cfs)	Pro. Runoff (cfs)*	Result (cfs)
1-year	2.32	2.29	-0.03
10-year	7.47	3.99	-3.48
25-year	10.75	6.29	-4.46
100-year	17.66	13.15	-4.51

*See attached storm drainage calculations and drainage report in Appendix B for additional information.

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

Appendix A

Sanitary Sewer and Water Demand Calculations

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

Downstream Sewer Capacity Analysis

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

Carmina·Wood·Morris DPC
487 Main Street Suite 600 Buffalo, New York 14203 P: 716.842.3165 F: 716.842.0263 W: cwm-ae.com

Single Family Subdivision
1789 Dodge Road, Amherst New York

Downstream Sewer Capacity Analysis Report

Project Description

This project is a development of a 6.7 acre +/- site located at 1789 Dodge Road in the Town of Amherst. Construction will consist of extension and completion of a proposed local street. The property will be subdivided to accommodate for 17 single family home lots to be built at a later date. The site will also include the construction of on-site utility, lighting and landscaping improvements.

The proposed sewer for this project will tie into the existing 8" sewer main along Dodge Road. Sewage will then be conveyed northeast and then west through the 24" and 36" French Trunk Sewer. Flows are then ultimately conveyed north through the 48" Trunk Sewer to the Town of Amherst Wastewater Treatment Facility #16.

The sewer will be a minimum of 8" diameter in size, and will be publicly owned by the Town of Amherst.

Node 1 – 1875 Dodge Road (8"):

Existing Peak Flow measured (wet weather event)	=	0.013 cfs (.007 mgd)*
Proposed 1789 Dodge Rd Subdivision Peak Flow	=	0.049 cfs **
Proposed Peak Flow	=	0.062 cfs
Existing Peak Flow measured (dry weather event)	=	0.253 cfs (.136 mgd)*
Proposed 1789 Dodge Rd Peak Flow	=	0.049 cfs **
Proposed Peak Flow	=	0.302 cfs

Theoretical capacity of existing 8" VTP pipe @ 0.3% = 0.614 cfs

Conclusion: The proposed peak flow is less than the capacity of the 8" VTP pipe, therefore there is sufficient capacity. At no time during the monitoring did the flow depth exceed the pipe diameter at Node 1 of the downstream monitoring points during the rain events monitored

Notes:

Pipe slopes, sizes and materials provided by Town of Amherst Engineering Department Sewer Maintenance Division

* Converted from measurements in TECSmith report dated 4/20/21

** See Sanitary Sewage Demand Calculations

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

Node 2 – North French Rd (24")

Existing Peak Flow measured (wet weather event)	=	9.582 cfs (5.155 mgd)*
Proposed 1789 Dodge Rd Subdivision Peak Flow	=	0.049 cfs **
Proposed Peak Flow	=	9.631 cfs

Capacity of existing 24" RCP pipe = 7.714 cfs (4.15 mgd)

Conclusion: Current flows the day following the 1.11" rainfall event exceeded the capacity of the existing 24" sewer pipe, but at no time during the monitoring period did the flow at any point slow or stall which would have caused a backup or flooding at the manhole. In addition, Sanitary Sewer Overflow (SSD) did not occur. I/I mitigation shall be required for the contribution proposed for this project.

Node 3 – North French near Millersport (24")

Existing Peak Flow measured (wet weather event)	=	9.439 cfs (5.078 mgd)*
Proposed 1789 Dodge Rd Subdivision Peak Flow	=	0.049 cfs **
Proposed Peak Flow	=	9.488 cfs

Capacity of existing 24" RCP pipe = 7.714 cfs (4.15 mgd)

Conclusion: Current flows the day following the 0.7" rainfall event exceeded the capacity of the existing 24" sewer pipe, but at no time during the monitoring period did the flow at any point slow or stall which would have caused a backup or flooding at the manhole. In addition, Sanitary Sewer Overflow (SSD) did not occur. I/I mitigation shall be required for the contribution proposed for this project.

Notes:

Pipe slopes, sizes and materials provided by Town of Amherst Engineering Department Sewer Maintenance Division

* Converted from measurements in TECSmith report dated 4/20/21

** See Sanitary Sewage Demand Calculations

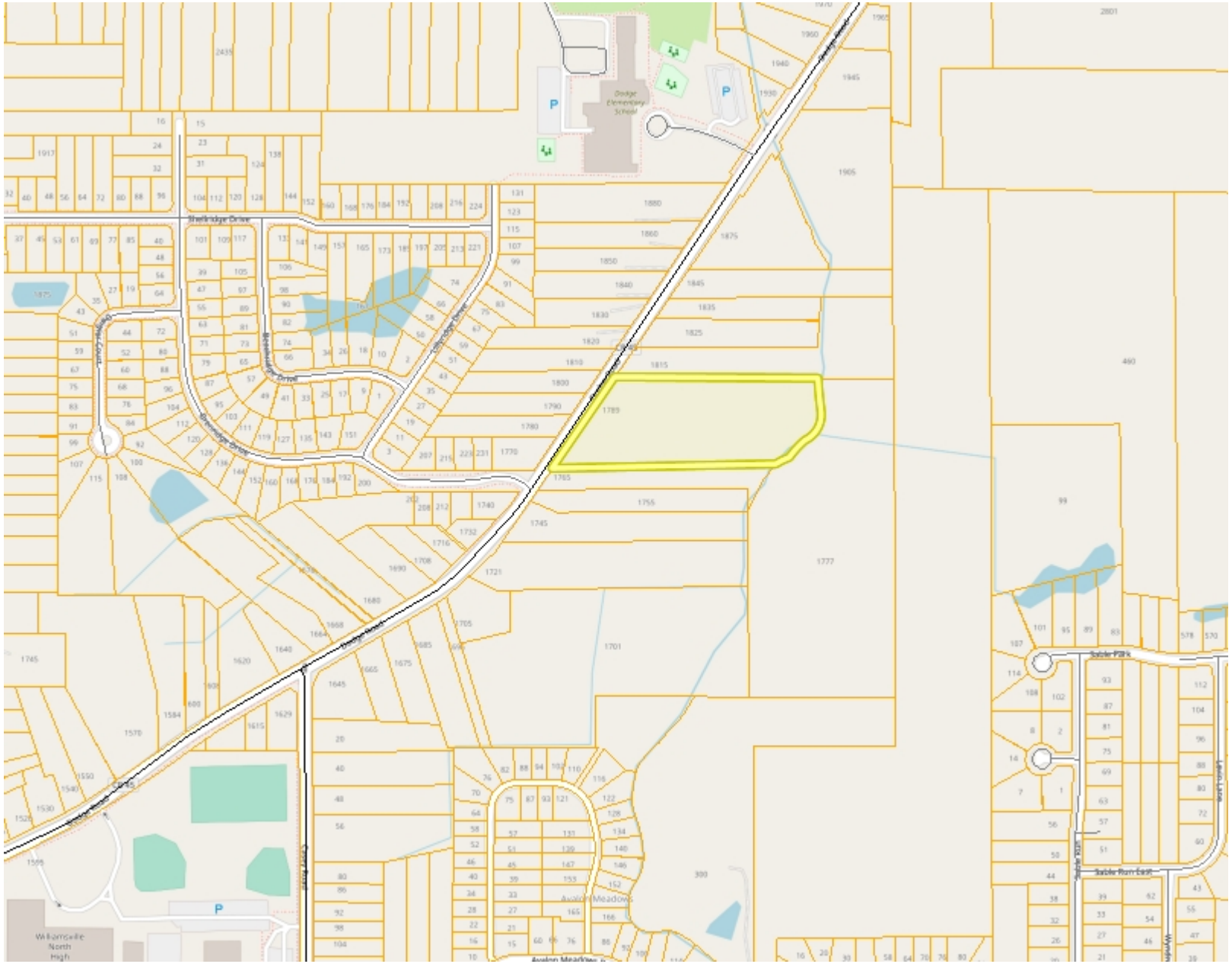
Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

Location Map

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

Erie County On-Line Mapping Application



Legend

- Parcels
- Streets and Highways
  - Interstate
  - Primary State Road
  - Secondary State Road
  - County Road
  - Local Road

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

0 0.14 0.3 Miles

WGS_1984_Web_Mercator_Auxiliary_Sphere
THIS MAP IS NOT TO BE USED FOR NAVIGATION

ERIE COUNTY
DEPARTMENT OF ENVIRONMENT & PLANNING
OFFICE OF GIS

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 not be accurate, current, or otherwise reliable.

1: 9,028

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

Sanitary Demand Calculations

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

CARMINA WOOD MORRIS, D.P.C.
487 MAIN STREET, SUITE 500
BUFFALO, NEW YORK, 14203
(716) 842-3165
FAX (716) 842-0263

Project No.: 20.247 Date: 4/21/2021
Project Name: Single Family Subdivision
Project Address: 1789 Dodge Road Amherst, NY
Subject: Sanitary Sewage Calculations
Sheet: 1 of 1

Sanitary Sewage Demand Calculations:

1789 Dodge Road

440 gal/d/unit x 17 unit = 7,480 gpd *use 440 gallons per day per 4-bedroom house

Total Site Sanitary Demand: = 7,480 gpd Average

* The hydraulic loading rate is per "Design Standards for Intermediate Sized Wastewater Treatment Systems" 2014, NYSDEC.

Find Peak Sanitary Demand:

Peaking Factor based on Population:
Total demand: 7,480 gpd / 100 gpcd = 75 per capita

Population (P) = 75 people

Peaking Factor : $(18 + \sqrt{P}) / (4 + \sqrt{P})$ where P is in thousands

Peaking Factor = 4.28

Peak Sanitary Demand = 7,480 x 4.28 = 31,985 gpd
= 0.032 MGD
= 0.049 cfs

Required Infiltration and Inflow Mitigation:

Peak Sanitary Flow = 31,985 gpd = 22.2 gpm

4:1 offset flow per NYSDEC requirements = 22.2 x 4 = 88.8 gpm req'd

Mitigation Credit = $250 / gpm

Mitigation Agreement Amount = $22,211.48

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

TECSmith Monitoring Report

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

Date	Node 1			Node 2			Node 3			Rain₂
	1875 Dodge Rd (8")			North French 24" (24")			N French EO Millersport (25")			
	FLOW (GAL x 1,000)	PEAK FLOW (MGD)	PEAK LEVEL (IN)	FLOW (GAL x 1,000)	PEAK FLOW (MDG)	PEAK LEVEL (IN)	FLOW (GAL x 1,000)	PEAK FLOW (MDG)	PEAK LEVEL (IN)	(inches)
3/15/2021	1.558	0.007	1.021	901.924	2.509	13.017	2451.565	3.138	16.050	***0***
3/16/2021	5.814	0.136	1.429	1851.456	2.431	12.927	2362.168	2.987	15.828	***0***
3/17/2021	3.897	0.117	1.276	1833.935	2.354	12.793	2359.427	3.078	15.946	***0***
3/18/2021	3.526	0.007	0.965	1810.464	2.378	12.837	2259.529	3.071	15.681	***0***
3/19/2021	2.127	0.006	0.722	1777.378	2.272	12.485	2186.568	2.873	15.229	***0***
3/20/2021	2.908	0.006	0.733	1835.479	2.712	13.695	2278.543	3.111	16.386	***0***
3/21/2021	1.471	0.005	0.891	1782.700	2.522	13.292	2306.858	3.161	16.261	***0***
3/22/2021	2.153	0.010	0.804	1756.434	2.338	12.610	2220.316	3.332	15.590	***0***
3/23/2021	1.794	0.012	0.909	1750.216	2.354	12.508	2165.263	2.942	15.598	***0***
3/24/2021	1.334	0.010	0.803	1800.258	2.322	12.720	2209.647	2.930	15.544	***0.04***
3/25/2021	2.060	0.006	0.854	1818.708	2.327	12.425	2191.851	2.903	15.835	***0.1***
3/26/2021	3.490	0.007	0.854	3394.673	5.155	32.200	3430.052	4.993	21.358	***1.11***
3/27/2021	2.520	0.008	0.748	2789.517	3.572	15.870	3247.935	4.098	19.565	***0.01***
3/28/2021	2.553	0.008	0.911	3084.039	4.855	24.342	3297.641	4.788	20.613	***0.38***
3/29/2021	1.726	0.006	0.907	1755.045	3.449	16.146	3240.507	4.662	19.849	***0***
3/30/2021	2.827	0.008	0.856	---	---	---	2916.616	3.723	17.876	***0***
3/31/2021	2.680	0.005	0.742	---	---	---	2702.193	3.508	17.153	***0.15***
4/1/2021	2.651	0.005	0.843	---	---	---	2714.987	3.372	16.766	***0.01***
4/2/2021	2.859	0.005	0.796	---	---	---	2505.293	3.203	16.568	***0***
4/3/2021	2.990	0.007	0.938	---	---	---	2525.733	3.514	16.884	***0***
4/4/2021	2.417	0.009	1.135	---	---	---	2373.848	3.533	16.405	***0***
4/5/2021	2.483	0.007	0.912	---	---	---	2266.588	3.080	15.777	***0.03***
4/6/2021	2.944	0.006	0.910	825.215	2.343	12.291	2252.135	2.939	15.594	***0***
4/7/2021	2.503	0.007	0.950	1846.587	2.402	12.565	2309.849	3.101	15.697	***0.02***
4/8/2021	2.082	0.008	1.024	1828.950	2.483	12.622	2261.713	3.460	15.656	***0***
4/9/2021	2.374	0.010	1.239	1831.352	2.368	12.721	2193.455	3.117	15.464	***0.08***
4/10/2021	2.260	0.008	1.127	1858.770	2.612	13.316	2316.192	3.504	16.334	***0***
4/11/2021	2.859	0.007	1.008	3042.992	5.147	30.730	3249.342	5.078	22.008	***0.7***
4/12/2021	2.895	0.015	0.889	2708.829	3.298	15.235	3106.551	4.305	19.509	***0.05***
4/13/2021	2.801	0.012	0.802	2463.126	3.020	14.069	2867.249	4.024	17.279	***0***
4/14/2021	2.756	0.008	0.821	2271.773	2.756	13.315	2145.403	3.626	16.706	***0***
4/15/2021	3.060	0.013	1.094	2356.976	2.957	14.016	2774.988	3.769	17.125	***0.26***
4/16/2021	3.263	0.008	1.131	2855.766	3.437	15.096	3174.564	3.761	17.887	***0.11***
4/17/2021	2.860	0.007	1.015	2575.069	3.305	14.893	3010.105	3.907	17.949	***0***
4/18/2021	3.009	0.009	0.913	2359.773	3.104	14.318	2819.097	3.644	17.325	***0***
4/19/2021	2.925	0.008	0.910	2144.199	2.646	12.962	2572.211	3.217	16.430	***0.05***
4/20/2021	1.089	0.007	0.914	928.283	2.885	13.472	1081.133	3.048	15.628	***0.2***
---	---	---	---	---	---	---	---	---	---	***3.3***

Yellow Highlights are Wet Weather Days

	MGD	CFS
Wet	0.007	0.013
Dry	0.136	0.253

MGD	CFS
5.155	9.582

MGD	CFS
5.078	9.439

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

TECsmith

TECSMITH, Inc.
PO Box 383
Elma, New York 14059-0383
Tel: 716-462-0382
Fax: 716-687-1418

Date: April 20, 2021

SANITARY SEWER FLOW CAPACITY STUDY – Summary Review

Prepared For: 1789 Dodge Road Capacity Analysis

Christopher Wood
487 Main Street, Suite 600
Buffalo, New York 14203

Project Name: 1789 Dodge Road Capacity Analysis

Flow Monitoring Period: March 1, 2021 to April 13, 2021

Rain Events (> 0.5-inches) Monitored: March 26, (1.11”), and April 11 (0.70”)

Number of Monitoring Nodes: Three (3) downstream manholes

Node Locations and Descriptions:

- Node 1 1875 Dodge Rd (8")
- Node 2 North French 24" (24")
- Node 3 N French EO Millersport (25")

Summary Conclusion:

Based on the data presented in this report, specifically the flow depth measurements recorded (see graphs below)

- At no time did the flow depth exceed pipe diameter at Nodes 1 and 3 of the downstream monitoring points during the wet weather vents monitored.
- Three times the flow depth exceed pipe diameter at Node 2 of the downstream monitoring points during the wet weather vents monitored.

.

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

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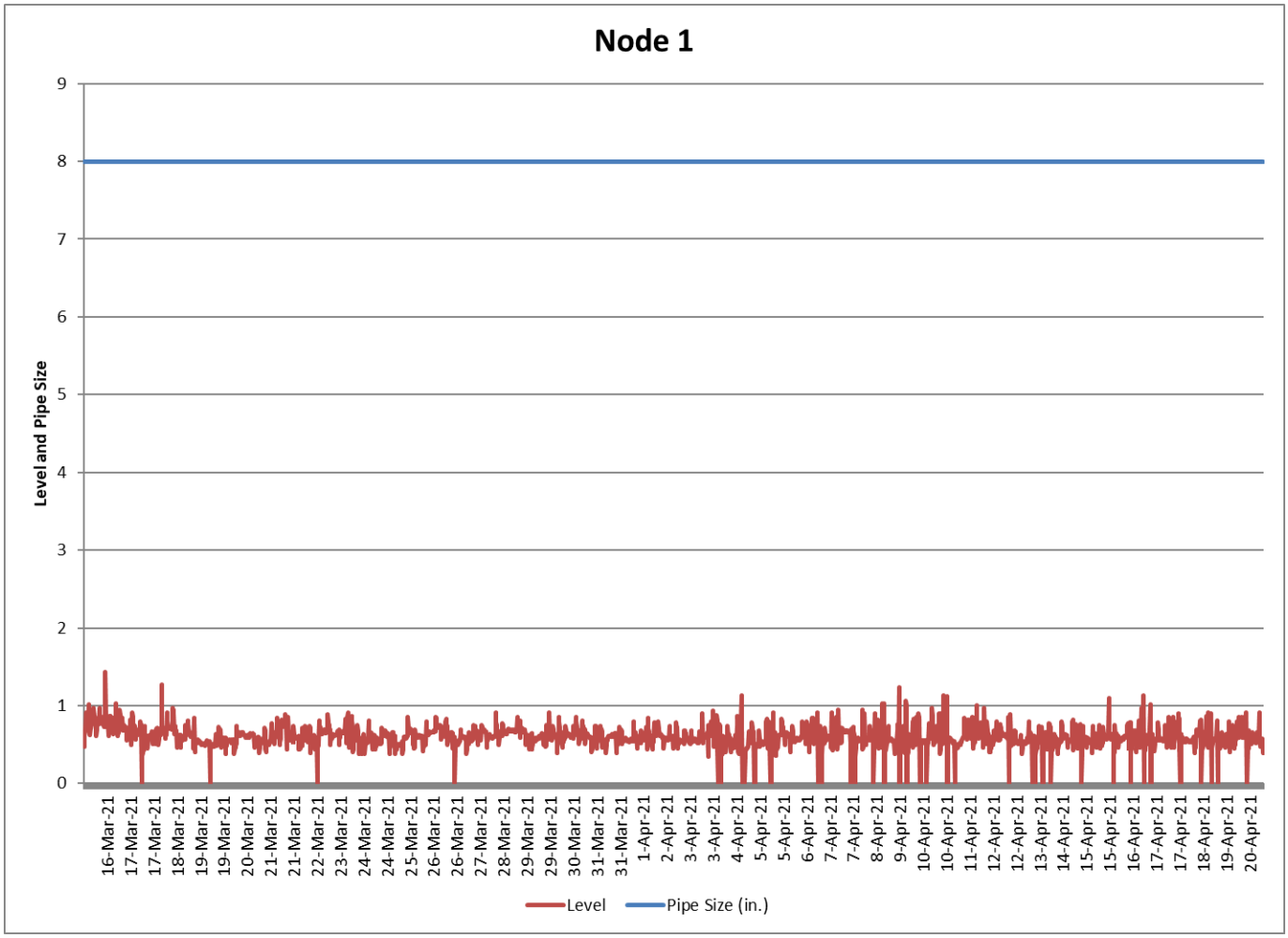
Depth of Flow Capacity Summary:

Depth of flow capacity is based on diameter of pipe. See graphs below.

- At no time during the monitoring period did depth of flow exceed pipe diameter at Node 1.



Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

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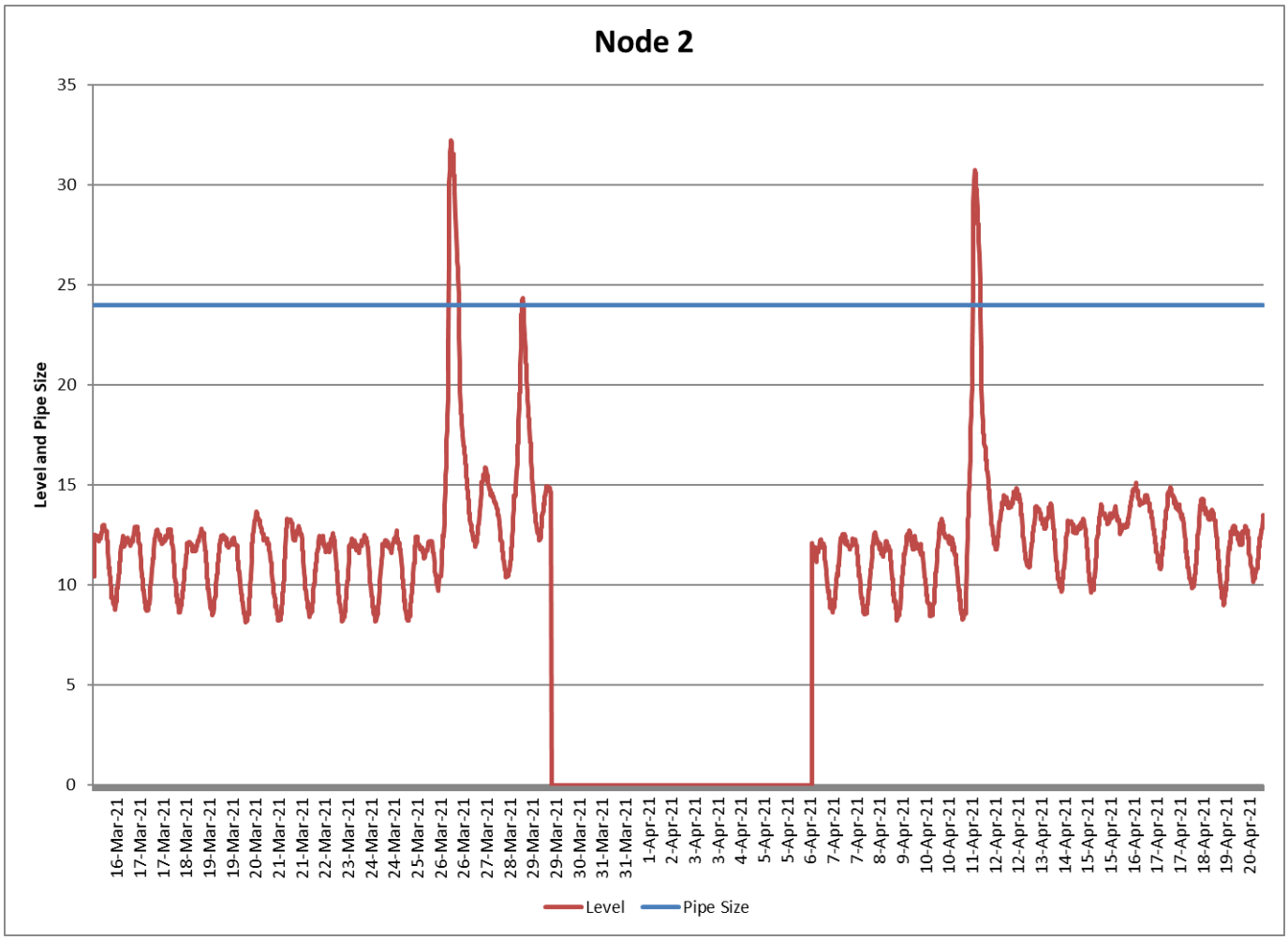
- Three times during the monitoring period did depth of flow exceed pipe diameter at Node 2.



Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

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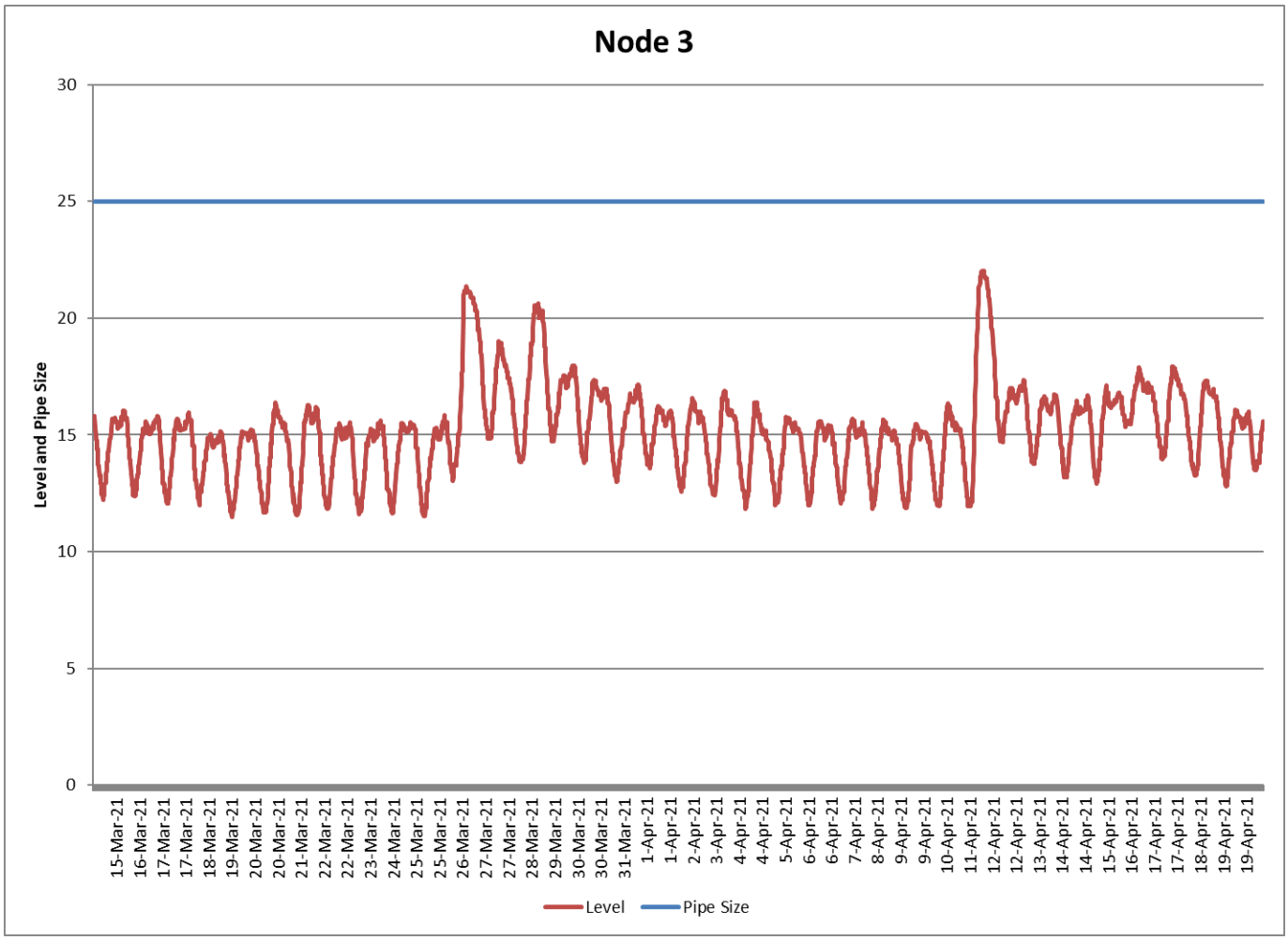
- At no time during the monitoring period did depth of flow exceed pipe diameter at Node 3.



Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

(T) Amherst Engineering Department Sewer Maintenance Division Downstream Routing Map and Node Maps

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

Town of Amherst Engineering Department
Sewer Maintenance Division

Main Sanitary Sewer Interceptors

DOWNSTREAM SEWER
FRENCH/DODGE TRUNK SEWER

TRANSIT ROAD TO PLANT #16

JANUARY 2021

* INCLUDES KLEIN RD DIVERSION & WOODLAND HILLS DEVELOPMENT JANUARY 2010

1789 DODGE ROAD - SUBDIVISION

AMHERST CONSOLIDATED SANITARY SEWER DISTRICT

Project Location

Sanitary Routing

Flows Updated April 2020

48-Inch Trunk Sewer
Capacity: 16.1 mgd
2.95 mgd Avg. Daily Flow
3.55 mgd Daily Peak Flow
6.45 mgd 2 yr.-6 hr. Flow
w/Klein Diversion

36-Inch French Trunk
Capacity: 9.66 mgd
2.20 mgd Avg. Daily Flow
2.75 mgd Daily Peak Flow
5.15 mgd 2 yr.-6 hr. Flow
w/Klein Diversion

24-Inch French Trunk
Capacity: 4.15 mgd
1.25 mgd Avg. Daily Flow
1.69 mgd Daily Peak Flow
2.65 mgd 2 yr.-6 hr. Flow
w/Klein Diversion

36-Inch FrenchTrunk Sewer
Capacity: 9.66 mgd
2.75 mgd Avg. Daily Flow
3.35 mgd Daily Peak Flow
5.85 mgd 2 yr.-6 hr. Flow
w/Klein Diversion

36-Inch Capacity 9.66 mgd
24-Inch Capacity 4.15 mgd

24-Inch French Trunk
Capacity: 4.15 mgd
1.80 mgd Avg. Daily Flow
2.35 mgd Daily Peak Flow
4.35 mgd 2 yr.-6 hr. Flow
w/Klein Diversion

PROJECT LOCATION

Paradise Road Sewer
15-Inch Capacity: 1.85 mgd
0.42 mgd Avg. Daily Flow
0.56 mgd Daily Peak Flow
1.55 mgd 2 yr.-6 hr. Flow
w Diversion

Klein Road Sewer
12-Inch Capacity: 1.12 mgd
0.11 mgd Avg. Daily Flow
0.25 mgd Daily Peak Flow
1.01 mgd 2 yr.-6 hr. Flow
w Diversion

Transit Rd N/O Klein Diversion
18-Inch Capacity: 3.19 mgd
0.52 mgd Avg. Daily Flow
0.88 mgd Daily Peak Flow
1.55 mgd 2 yr.-6 hr. Flow
w Diversion

State University of New York at Buffalo

Village of Williamsville

Engineering Department
Highway Department - Plant 1

1 0 1 Miles

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

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Water Demand Calculations

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

CARMINA WOOD DESIGN
80 Silo City Row, Suite 100
BUFFALO, NEW YORK, 14203
(716) 842-3165
FAX (716) 842-0263

Project No.: 20.247 Date: 2/10/2025
Project Name: Dodge Road Subdivision
Project Address: Amherst, New York
Subject: Domestic Water Demand Calculations
Sheet: 1 of 1

Domestic Water Demand Calculations:

Dodge Road Subdivision Typical Demand:

Q = 6,160 gpd * use 100% of Total Sanitary Average Daily Demand

Q = 4.28 gpm * assume 24 hour day

Dodge Road Subdivision Peak Demand:

Q_{peak} = 17 Units @ 3 gpm = 51 gpm Peak Demand
* use 3 gpm per unit (per ECDOH peak flow)

Headlosses:

Q_{peak} = 51 gpm
Pipe = 8 inch C-900 PVC C = 140
Length = 637 LF (approx. distance from HDY M04-G45 on Goodrich Rd to last prop. hydrant)

$$H_L = \frac{10.44\ L\ Q^{1.85}}{C^{1.85}\ D^{4.866}} = \frac{10.44(637)(51)^{1.85}}{(140)^{1.85}\ (8)^{4.866}} = 0.04 \text{ ft} = 0.02 \text{ psi}$$

Δ elev = -3 ft = -1.30 psi *approximate 6' elev. drop to north unit @ building 11
Total Losses = -1.3 psi
Static Pressure = 96 psi *per ECWA
Residual Pressure in main @ last prop. Hydrant = 84 - 3.2 = 97.3 psi

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

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80 Silo City Row, Suite 100
BUFFALO, NEW YORK, 14203
(716) 842-3165
FAX (716) 842-0263

Project No.: 20.247 Date: 2/10/2025
Project Name: Dodge Road Subdivision
Project Address: Amherst, New York
Subject: Fire Flow Demand Calculations
Sheet: 1 of 1

2.a

Peak Domestic Demand:

Dodge Road Subdivision

14	Units	@	3 gpm	=	42 gpm	Peak Domestic Demand

* use 3 gpm per unit (per ECDOH peak flow)

Water Demand Calculations (fire):

Fire Flow, Q	=	1000	gpm	* per ISO Guidelines	
Elev. @ ex. residual hyd. K04G12	=	590	ft		
Static pressure @ ex. hyd. K04G12	=	96	psi	* per ECWA	
Elev. @ connection:	=	589.00	ft		
Δ elev ex. hyd. K04G12 to connection	=	-1.00 = -0.43	psi	(positive is decrease in pressure from static)	
				(negative is increase in pressure from static)	
Static pressure @ connection	=	96.4	psi		
Elev. @ furthest pro. hydrant	=	586	ft		
Δ elev connection point to furthest hydrant	=	-3 = -1.3	psi	(positive is decrease in pressure from static)	
				(negative is increase in pressure from static)	

Find residual at furthest hydrant using fire flow:

Headlosses:

Q_{peak}	=	1000	gpm			
Pipe	=	8	inch	C-900 PVC	C	= 140
Length	=	637	LF	(approx. distance from connection to furthest pro. hydrant)		

$$H_L = \frac{10.44\ L\ Q^{1.85}}{C^{1.85}\ D^{4.866}} = \frac{10.44(637)(1000)^{1.85}}{(140)^{1.85}\ (8)^{4.866}} = 10.19 \text{ ft} = 4.4 \text{ psi}$$

Residual pressure at furthest pro. Hydrant = Static pressure at connection - headloss - Δ elev
= 96.4 - 4.4 - -1.3
= 93.3 psi

Find residual at furthest hydrant using total flow:

Total flow = Fire Flow + Peak Domestic Flow = 1042 gpm

Headlosses:

Q_{peak}	=	1042	gpm			
Pipe	=	8	inch	C-900 PVC	C	= 140
Length	=	637	LF	(approx. distance from connection to furthest pro. hydrant)		

$$H_L = \frac{10.44\ L\ Q^{1.85}}{C^{1.85}\ D^{4.866}} = \frac{10.44(1465)(1084)^{1.85}}{(140)^{1.85}\ (8)^{4.866}} = 10.99 \text{ ft} = 4.8 \text{ psi}$$

Residual pressure at furthest pro. Hydrant = Static pressure at connection - headloss - Δ elev
= 96.4 - 4.8 - -1.3
= 93.0 psi

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

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80 Silo City Row, Suite 100
BUFFALO, NEW YORK, 14203
(716) 842-3165
FAX (716) 842-0263

Project No.: 20.247 Date: 2/10/2025
Project Name: Dodge Road Subdivision
Project Address: Amherst, New York
Subject: Sanitary Sewage Demand Calcs
Sheet: 1 of 1

Sanitary Sewage Demand Calculations:

Proposed Subdivision:

14	Lots	4	bdrm	@	440	gpd	=	6,160 gpd

Total Average Daily Demand = 6,160 gpd

Find Peak Sanitary Demand:

Total demand: 6,160 gpd / 100 gpcd = 62 per capita

Population (P) = 62 people

Peaking Factor : $(18 + \sqrt{P}) / (4 + \sqrt{P})$ where P is in thousands

Peaking Factor = 4.30

Peak Sanitary Demand	=	6,160	x	4.30	=	26,460 gpd
					=	0.026 MGD
					=	0.041 cfs

Required Infiltration and Inflow Mitigation:

Peak Sanitary Flow	=	26,460	gpd	=	18.4	gpm		
4:1 offset flow per NYSDEC requirements	=	18.4	x	4	=	73.5	gpm req'd	
Mitigation Credit	=	250	/gpm					
Mitigation Agreement Amount	=	**$18,375.27**						

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

Appendix B

Storm System Drainage Calculations

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

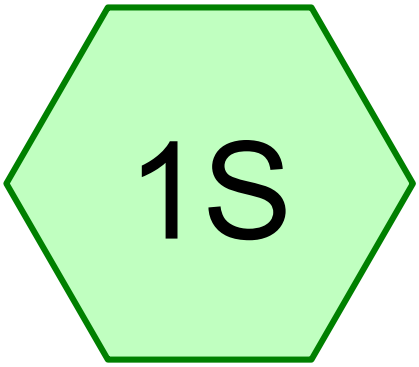
Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

Existing Runoff

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

PRE-DEVELOPMENT



DA PRE DEV

Subcat Reach Pond Link

Routing Diagram for 20.247 - Dodge Road Hydrology
Prepared by Carmina Wood Morris, PC, Printed 2/11/2025
HydroCAD® 10.20-2h s/n 05019 © 2024 HydroCAD Software Solutions LLC

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

Project Notes

Rainfall events imported from "NRCS-Rain.txt" for 7041 NY Erie

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

Rainfall Events Listing (selected events)

Event#	Event Name	Storm Type	Curve	Mode	Duration (hours)	B/B	Depth (inches)	AMC
1	1-Year	NRCC 24-hr	A	Default	24.00	1	1.87	2
2	10-Year	NRCC 24-hr	A	Default	24.00	1	3.14	2
3	25-Year	NRCC 24-hr	A	Default	24.00	1	3.84	2
4	100-Year	NRCC 24-hr	A	Default	24.00	1	5.23	2

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

Area Listing (selected nodes)

Area (acres)	CN	Description (subcatchment-numbers)
0.060	96	Gravel surface, HSG D (1S)
0.050	98	Paved parking, HSG D (1S)
0.070	98	Roofs, HSG D (1S)
6.530	79	Woods/grass comb., Good, HSG D (1S)
6.710	**79**	**TOTAL AREA**

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

Ground Covers (selected nodes)

HSG-A (acres)	HSG-B (acres)	HSG-C (acres)	HSG-D (acres)	Other (acres)	Total (acres)	Ground Cover	Subcatchment Numbers
0.000	0.000	0.000	0.060	0.000	0.060	Gravel surface	1S
0.000	0.000	0.000	0.050	0.000	0.050	Paved parking	1S
0.000	0.000	0.000	0.070	0.000	0.070	Roofs	1S
0.000	0.000	0.000	6.530	0.000	6.530	Woods/grass comb., Good	1S
0.000	**0.000**	**0.000**	**6.710**	**0.000**	**6.710**	**TOTAL AREA**	

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

Summary for Subcatchment 1S: DA PRE DEV

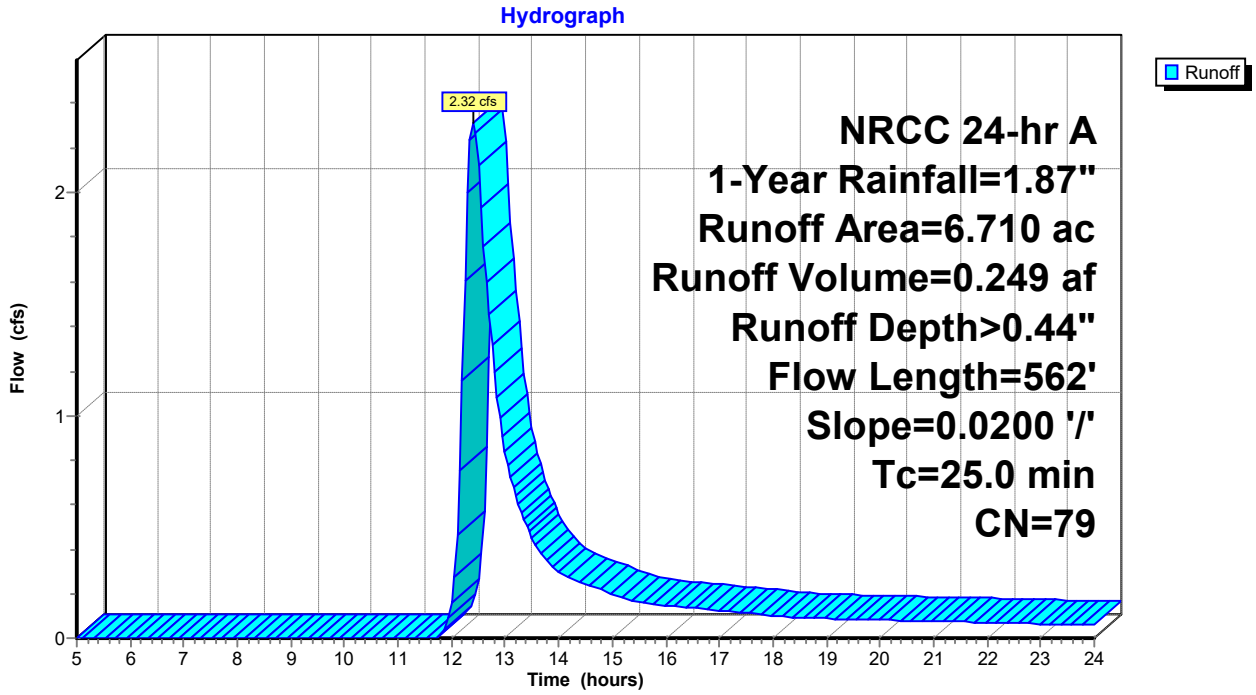
Runoff = 2.32 cfs @ 12.41 hrs, Volume= 0.249 af, Depth> 0.44"
Routed to nonexistent node 11L

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-24.00 hrs, dt= 0.05 hrs
NRCC 24-hr A 1-Year Rainfall=1.87"

Area (ac)	CN	Description
6.530	79	Woods/grass comb., Good, HSG D
0.050	98	Paved parking, HSG D
0.060	96	Gravel surface, HSG D
0.070	98	Roofs, HSG D
6.710	79	Weighted Average
6.590		98.21% Pervious Area
0.120		1.79% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
17.2	100	0.0200	0.10		**Sheet Flow, WOODS** Grass: Dense n= 0.240 P2= 2.20"
7.8	462	0.0200	0.99		**Shallow Concentrated Flow, WOODS** Short Grass Pasture Kv= 7.0 fps
25.0	562	Total			

Subcatchment 1S: DA PRE DEV



Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

Hydrograph for Subcatchment 1S: DA PRE DEV

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.00	0.10	0.00	0.00
5.25	0.10	0.00	0.00
5.50	0.11	0.00	0.00
5.75	0.11	0.00	0.00
6.00	0.12	0.00	0.00
6.25	0.13	0.00	0.00
6.50	0.13	0.00	0.00
6.75	0.14	0.00	0.00
7.00	0.15	0.00	0.00
7.25	0.16	0.00	0.00
7.50	0.17	0.00	0.00
7.75	0.18	0.00	0.00
8.00	0.19	0.00	0.00
8.25	0.20	0.00	0.00
8.50	0.21	0.00	0.00
8.75	0.22	0.00	0.00
9.00	0.23	0.00	0.00
9.25	0.24	0.00	0.00
9.50	0.26	0.00	0.00
9.75	0.27	0.00	0.00
10.00	0.29	0.00	0.00
10.25	0.31	0.00	0.00
10.50	0.33	0.00	0.00
10.75	0.36	0.00	0.00
11.00	0.39	0.00	0.00
11.25	0.44	0.00	0.00
11.50	0.50	0.00	0.00
11.75	0.62	0.00	0.00
12.00	0.88	0.04	0.16
12.25	1.25	0.15	**1.61**
12.50	1.37	0.20	**2.12**
12.75	1.43	0.23	1.32
13.00	1.48	0.25	0.83
13.25	1.51	0.26	0.60
13.50	1.54	0.28	0.45
13.75	1.56	0.29	0.36
14.00	1.58	0.30	0.30
14.25	1.60	0.30	0.27
14.50	1.61	0.31	0.24
14.75	1.63	0.32	0.22
15.00	1.64	0.33	0.20
15.25	1.65	0.33	0.18
15.50	1.66	0.34	0.16
15.75	1.67	0.34	0.15
16.00	1.68	0.35	0.15
16.25	1.69	0.35	0.14
16.50	1.70	0.36	0.14
16.75	1.71	0.36	0.13
17.00	1.72	0.37	0.12
17.25	1.73	0.37	0.12
17.50	1.74	0.38	0.11
17.75	1.74	0.38	0.11
18.00	1.75	0.38	0.10
18.25	1.76	0.39	0.09
18.50	1.76	0.39	0.09
18.75	1.77	0.39	0.09
19.00	1.77	0.40	0.09
19.25	1.78	0.40	0.09
19.50	1.79	0.40	0.08
19.75	1.79	0.41	0.08
20.00	1.80	0.41	0.08
20.25	1.80	0.41	0.08
20.50	1.81	0.41	0.08
20.75	1.81	0.42	0.08
21.00	1.82	0.42	0.08
21.25	1.82	0.42	0.07
21.50	1.83	0.42	0.07
21.75	1.83	0.43	0.07
22.00	1.84	0.43	0.07
22.25	1.84	0.43	0.07
22.50	1.85	0.43	0.07
22.75	1.85	0.44	0.07
23.00	1.85	0.44	0.06
23.25	1.86	0.44	0.06
23.50	1.86	0.44	0.06
23.75	1.87	0.45	0.06
24.00	**1.87**	**0.45**	0.06

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

Summary for Subcatchment 1S: DA PRE DEV

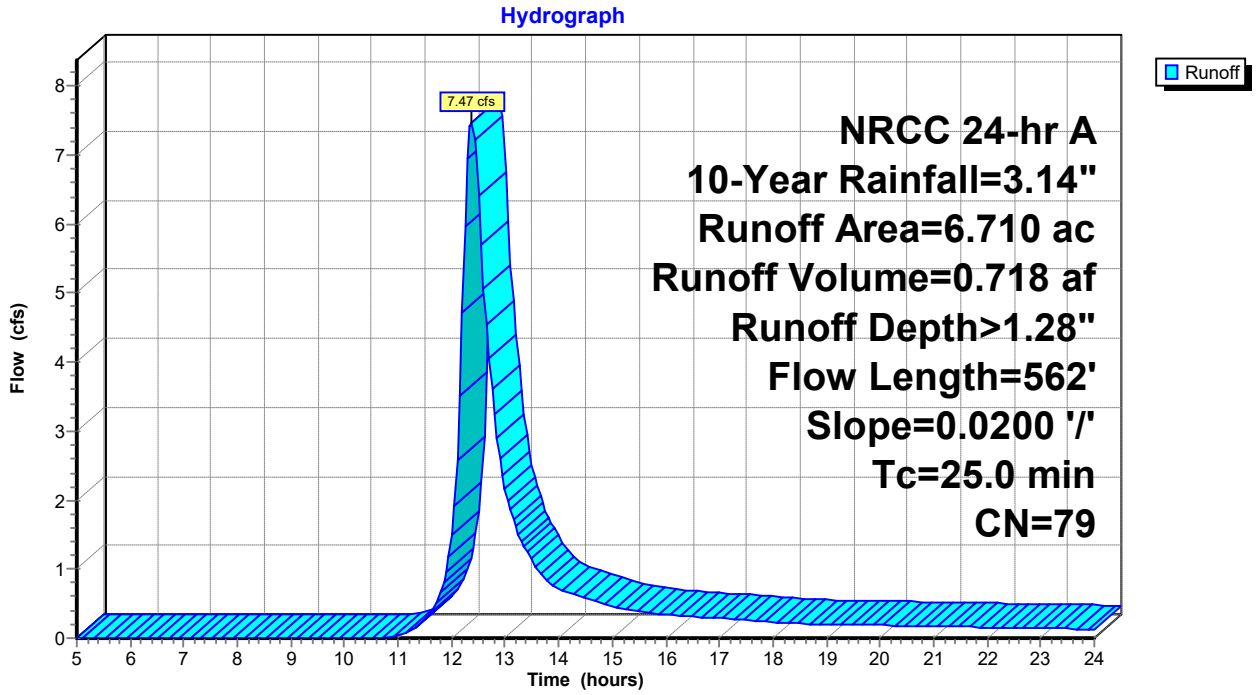
Runoff = 7.47 cfs @ 12.37 hrs, Volume= 0.718 af, Depth> 1.28"
Routed to nonexistent node 11L

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-24.00 hrs, dt= 0.05 hrs
NRCC 24-hr A 10-Year Rainfall=3.14"

Area (ac)	CN	Description
6.530	79	Woods/grass comb., Good, HSG D
0.050	98	Paved parking, HSG D
0.060	96	Gravel surface, HSG D
0.070	98	Roofs, HSG D
6.710	79	Weighted Average
6.590		98.21% Pervious Area
0.120		1.79% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
17.2	100	0.0200	0.10		**Sheet Flow, WOODS** Grass: Dense n= 0.240 P2= 2.20"
7.8	462	0.0200	0.99		**Shallow Concentrated Flow, WOODS** Short Grass Pasture Kv= 7.0 fps
25.0	562	Total			

Subcatchment 1S: DA PRE DEV



Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

Hydrograph for Subcatchment 1S: DA PRE DEV

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.00	0.16	0.00	0.00
5.25	0.17	0.00	0.00
5.50	0.18	0.00	0.00
5.75	0.19	0.00	0.00
6.00	0.20	0.00	0.00
6.25	0.21	0.00	0.00
6.50	0.22	0.00	0.00
6.75	0.24	0.00	0.00
7.00	0.25	0.00	0.00
7.25	0.26	0.00	0.00
7.50	0.28	0.00	0.00
7.75	0.29	0.00	0.00
8.00	0.31	0.00	0.00
8.25	0.33	0.00	0.00
8.50	0.35	0.00	0.00
8.75	0.36	0.00	0.00
9.00	0.38	0.00	0.00
9.25	0.41	0.00	0.00
9.50	0.43	0.00	0.00
9.75	0.46	0.00	0.00
10.00	0.49	0.00	0.00
10.25	0.52	0.00	0.00
10.50	0.56	0.00	0.00
10.75	0.61	0.00	0.01
11.00	0.66	0.01	0.05
11.25	0.74	0.02	0.12
11.50	0.84	0.03	0.26
11.75	1.03	0.08	0.56
12.00	1.48	0.25	1.49
12.25	2.11	0.59	**5.96**
12.50	2.30	0.70	**6.40**
12.75	2.40	0.77	3.62
13.00	2.48	0.82	2.16
13.25	2.53	0.86	1.50
13.50	2.58	0.89	1.11
13.75	2.62	0.92	0.87
14.00	2.65	0.94	0.71
14.25	2.68	0.96	0.64
14.50	2.71	0.98	0.58
14.75	2.73	1.00	0.52
15.00	2.76	1.01	0.47
15.25	2.78	1.03	0.42
15.50	2.79	1.04	0.38
15.75	2.81	1.05	0.36
16.00	2.83	1.07	0.34
16.25	2.85	1.08	0.33
16.50	2.86	1.09	0.32
16.75	2.88	1.10	0.30
17.00	2.89	1.11	0.29
17.25	2.90	1.12	0.27
17.50	2.92	1.13	0.26
17.75	2.93	1.14	0.25
18.00	2.94	1.14	0.23
18.25	2.95	1.15	0.22
18.50	2.96	1.16	0.21
18.75	2.97	1.17	0.20
19.00	2.98	1.17	0.20
19.25	2.99	1.18	0.20
19.50	3.00	1.19	0.19
19.75	3.01	1.19	0.19
20.00	3.02	1.20	0.19
20.25	3.03	1.21	0.18
20.50	3.04	1.21	0.18
20.75	3.04	1.22	0.18
21.00	3.05	1.23	0.17
21.25	3.06	1.23	0.17
21.50	3.07	1.24	0.16
21.75	3.08	1.24	0.16
22.00	3.08	1.25	0.16
22.25	3.09	1.26	0.15
22.50	3.10	1.26	0.15
22.75	3.11	1.27	0.15
23.00	3.11	1.27	0.14
23.25	3.12	1.28	0.14
23.50	3.13	1.28	0.14
23.75	3.13	1.29	0.13
24.00	**3.14**	**1.29**	0.13

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

Summary for Subcatchment 1S: DA PRE DEV

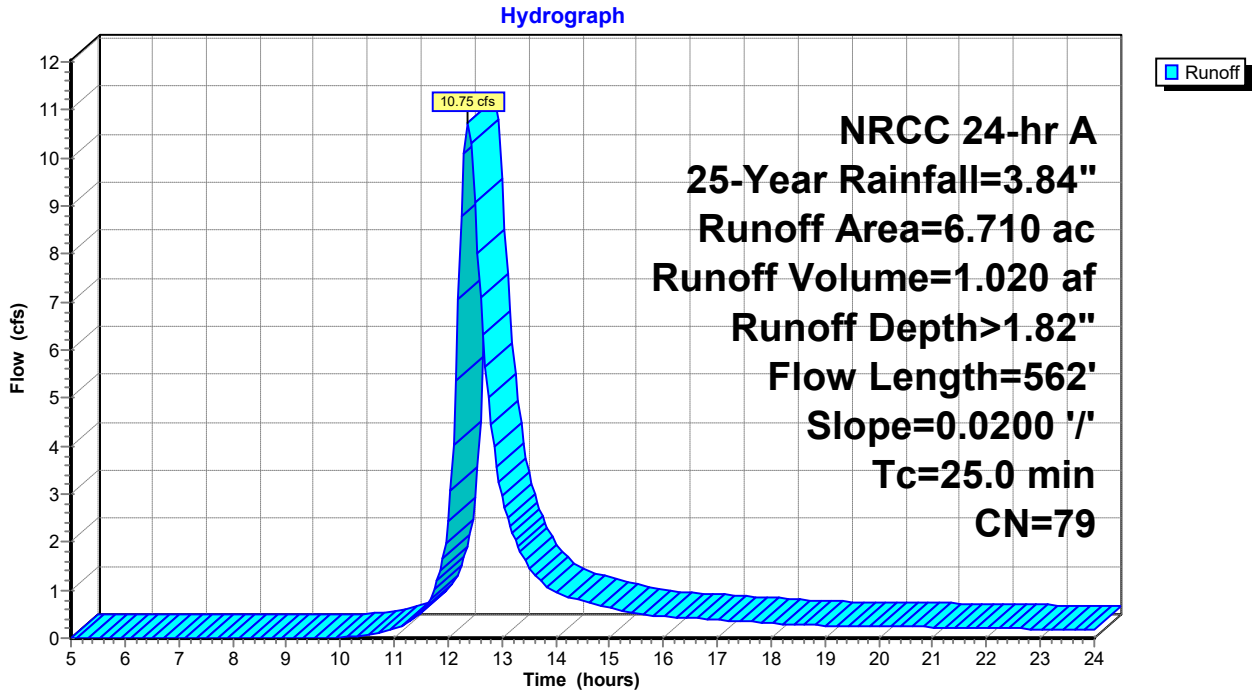
Runoff = 10.75 cfs @ 12.37 hrs, Volume= 1.020 af, Depth> 1.82"
Routed to nonexistent node 11L

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-24.00 hrs, dt= 0.05 hrs
NRCC 24-hr A 25-Year Rainfall=3.84"

Area (ac)	CN	Description
6.530	79	Woods/grass comb., Good, HSG D
0.050	98	Paved parking, HSG D
0.060	96	Gravel surface, HSG D
0.070	98	Roofs, HSG D
6.710	79	Weighted Average
6.590		98.21% Pervious Area
0.120		1.79% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
17.2	100	0.0200	0.10		**Sheet Flow, WOODS** Grass: Dense n= 0.240 P2= 2.20"
7.8	462	0.0200	0.99		**Shallow Concentrated Flow, WOODS** Short Grass Pasture Kv= 7.0 fps
25.0	562	Total			

Subcatchment 1S: DA PRE DEV



Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

Hydrograph for Subcatchment 1S: DA PRE DEV

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.00	0.20	0.00	0.00	19.25	3.66	1.69	0.26
5.25	0.21	0.00	0.00	19.50	3.67	1.70	0.25
5.50	0.22	0.00	0.00	19.75	3.68	1.71	0.25
5.75	0.23	0.00	0.00	20.00	3.69	1.72	0.25
6.00	0.25	0.00	0.00	20.25	3.70	1.72	0.24
6.25	0.26	0.00	0.00	20.50	3.71	1.73	0.24
6.50	0.27	0.00	0.00	20.75	3.72	1.74	0.23
6.75	0.29	0.00	0.00	21.00	3.73	1.75	0.23
7.00	0.31	0.00	0.00	21.25	3.74	1.76	0.22
7.25	0.32	0.00	0.00	21.50	3.75	1.77	0.22
7.50	0.34	0.00	0.00	21.75	3.76	1.77	0.21
7.75	0.36	0.00	0.00	22.00	3.77	1.78	0.21
8.00	0.38	0.00	0.00	22.25	3.78	1.79	0.20
8.25	0.40	0.00	0.00	22.50	3.79	1.79	0.20
8.50	0.42	0.00	0.00	22.75	3.80	1.80	0.19
8.75	0.45	0.00	0.00	23.00	3.81	1.81	0.19
9.00	0.47	0.00	0.00	23.25	3.82	1.82	0.18
9.25	0.50	0.00	0.00	23.50	3.82	1.82	0.18
9.50	0.53	0.00	0.00	23.75	3.83	1.83	0.17
9.75	0.56	0.00	0.00	24.00	**3.84**	**1.83**	0.17
10.00	0.60	0.00	0.01				
10.25	0.64	0.00	0.04				
10.50	0.68	0.01	0.07				
10.75	0.74	0.02	0.11				
11.00	0.81	0.03	0.19				
11.25	0.91	0.05	0.32				
11.50	1.03	0.08	0.55				
11.75	1.26	0.16	1.02				
12.00	1.81	0.41	2.45				
12.25	2.58	0.89	**8.77**				
12.50	2.81	1.05	**9.06**				
12.75	2.93	1.14	5.01				
13.00	3.03	1.21	2.96				
13.25	3.10	1.26	2.04				
13.50	3.16	1.30	1.50				
13.75	3.20	1.34	1.16				
14.00	3.24	1.37	0.96				
14.25	3.28	1.40	0.85				
14.50	3.31	1.42	0.77				
14.75	3.34	1.45	0.70				
15.00	3.37	1.47	0.63				
15.25	3.39	1.48	0.55				
15.50	3.42	1.50	0.50				
15.75	3.44	1.52	0.48				
16.00	3.46	1.53	0.46				
16.25	3.48	1.55	0.44				
16.50	3.50	1.57	0.42				
16.75	3.52	1.58	0.40				
17.00	3.53	1.59	0.38				
17.25	3.55	1.61	0.36				
17.50	3.57	1.62	0.35				
17.75	3.58	1.63	0.33				
18.00	3.59	1.64	0.31				
18.25	3.61	1.65	0.29				
18.50	3.62	1.66	0.28				
18.75	3.63	1.67	0.27				
19.00	3.64	1.68	0.26				

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

Summary for Subcatchment 1S: DA PRE DEV

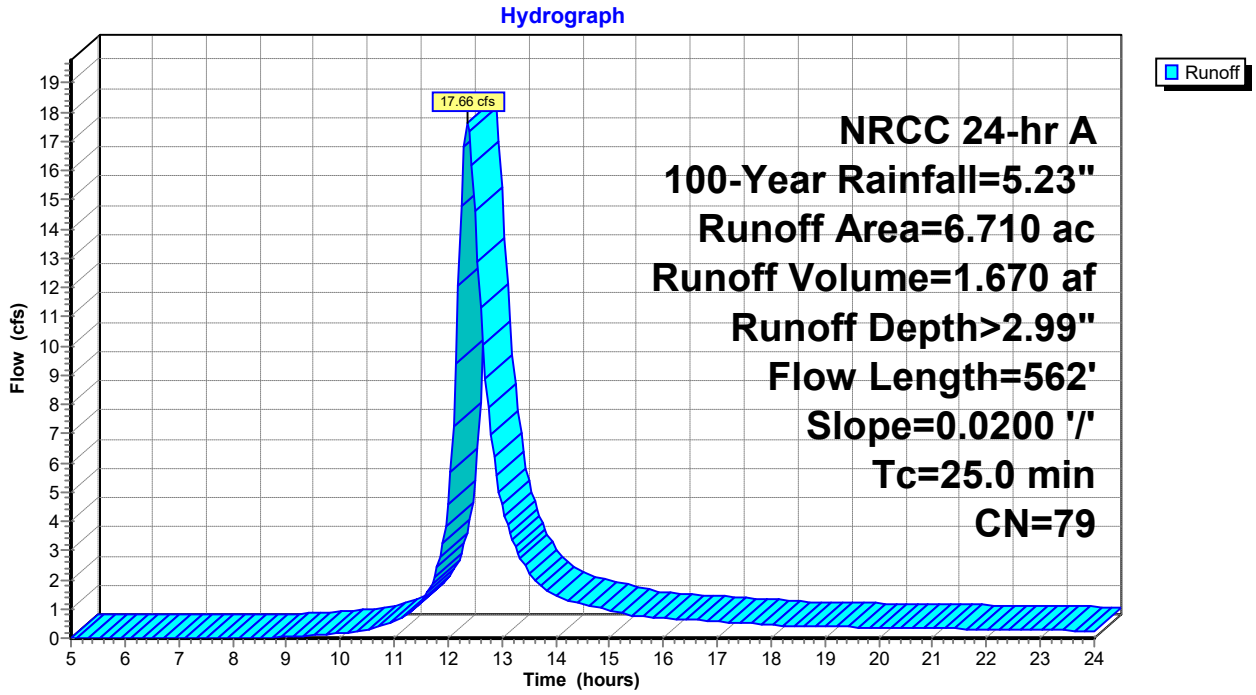
Runoff = 17.66 cfs @ 12.36 hrs, Volume= 1.670 af, Depth> 2.99"
Routed to nonexistent node 11L

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-24.00 hrs, dt= 0.05 hrs
NRCC 24-hr A 100-Year Rainfall=5.23"

Area (ac)	CN	Description
6.530	79	Woods/grass comb., Good, HSG D
0.050	98	Paved parking, HSG D
0.060	96	Gravel surface, HSG D
0.070	98	Roofs, HSG D
6.710	79	Weighted Average
6.590		98.21% Pervious Area
0.120		1.79% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
17.2	100	0.0200	0.10		**Sheet Flow, WOODS** Grass: Dense n= 0.240 P2= 2.20"
7.8	462	0.0200	0.99		**Shallow Concentrated Flow, WOODS** Short Grass Pasture Kv= 7.0 fps
25.0	562	Total			

Subcatchment 1S: DA PRE DEV



Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

Hydrograph for Subcatchment 1S: DA PRE DEV

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.00	0.27	0.00	0.00
5.25	0.28	0.00	0.00
5.50	0.30	0.00	0.00
5.75	0.32	0.00	0.00
6.00	0.33	0.00	0.00
6.25	0.35	0.00	0.00
6.50	0.37	0.00	0.00
6.75	0.39	0.00	0.00
7.00	0.42	0.00	0.00
7.25	0.44	0.00	0.00
7.50	0.46	0.00	0.00
7.75	0.49	0.00	0.00
8.00	0.52	0.00	0.00
8.25	0.55	0.00	0.00
8.50	0.58	0.00	0.00
8.75	0.61	0.00	0.02
9.00	0.64	0.00	0.04
9.25	0.68	0.01	0.06
9.50	0.72	0.01	0.09
9.75	0.76	0.02	0.13
10.00	0.81	0.03	0.17
10.25	0.87	0.04	0.23
10.50	0.93	0.05	0.30
10.75	1.01	0.07	0.39
11.00	1.10	0.10	0.56
11.25	1.24	0.15	0.81
11.50	1.40	0.22	1.26
11.75	1.72	0.37	2.12
12.00	2.46	0.81	4.59
12.25	3.51	1.57	**14.79**
12.50	3.83	1.82	**14.60**
12.75	3.99	1.96	7.87
13.00	4.13	2.07	4.57
13.25	4.22	2.15	3.11
13.50	4.30	2.21	2.27
13.75	4.36	2.26	1.76
14.00	4.42	2.31	1.44
14.25	4.47	2.35	1.28
14.50	4.51	2.39	1.16
14.75	4.55	2.42	1.05
15.00	4.59	2.45	0.94
15.25	4.62	2.48	0.83
15.50	4.65	2.51	0.75
15.75	4.68	2.53	0.71
16.00	4.71	2.56	0.68
16.25	4.74	2.58	0.66
16.50	4.77	2.60	0.63
16.75	4.79	2.62	0.60
17.00	4.81	2.64	0.57
17.25	4.84	2.66	0.54
17.50	4.86	2.68	0.51
17.75	4.88	2.70	0.49
18.00	4.90	2.71	0.46
18.25	4.91	2.73	0.43
18.50	4.93	2.74	0.41
18.75	4.95	2.76	0.40
19.00	4.96	2.77	0.39
19.25	4.98	2.78	0.39
19.50	5.00	2.80	0.38
19.75	5.01	2.81	0.37
20.00	5.03	2.82	0.36
20.25	5.04	2.84	0.36
20.50	5.06	2.85	0.35
20.75	5.07	2.86	0.34
21.00	5.08	2.87	0.34
21.25	5.10	2.89	0.33
21.50	5.11	2.90	0.32
21.75	5.12	2.91	0.32
22.00	5.14	2.92	0.31
22.25	5.15	2.93	0.30
22.50	5.16	2.94	0.29
22.75	5.17	2.95	0.29
23.00	5.19	2.96	0.28
23.25	5.20	2.97	0.27
23.50	5.21	2.98	0.26
23.75	5.22	2.99	0.26
24.00	**5.23**	**3.00**	0.25

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

TABLE OF CONTENTS

Project Reports
1 Routing Diagram
2 Project Notes
3 Rainfall Events Listing (selected events)
4 Area Listing (selected nodes)
5 Ground Covers (selected nodes)

1-Year Event
6 Subcat 1S: DA PRE DEV

10-Year Event
8 Subcat 1S: DA PRE DEV

25-Year Event
10 Subcat 1S: DA PRE DEV

100-Year Event
12 Subcat 1S: DA PRE DEV

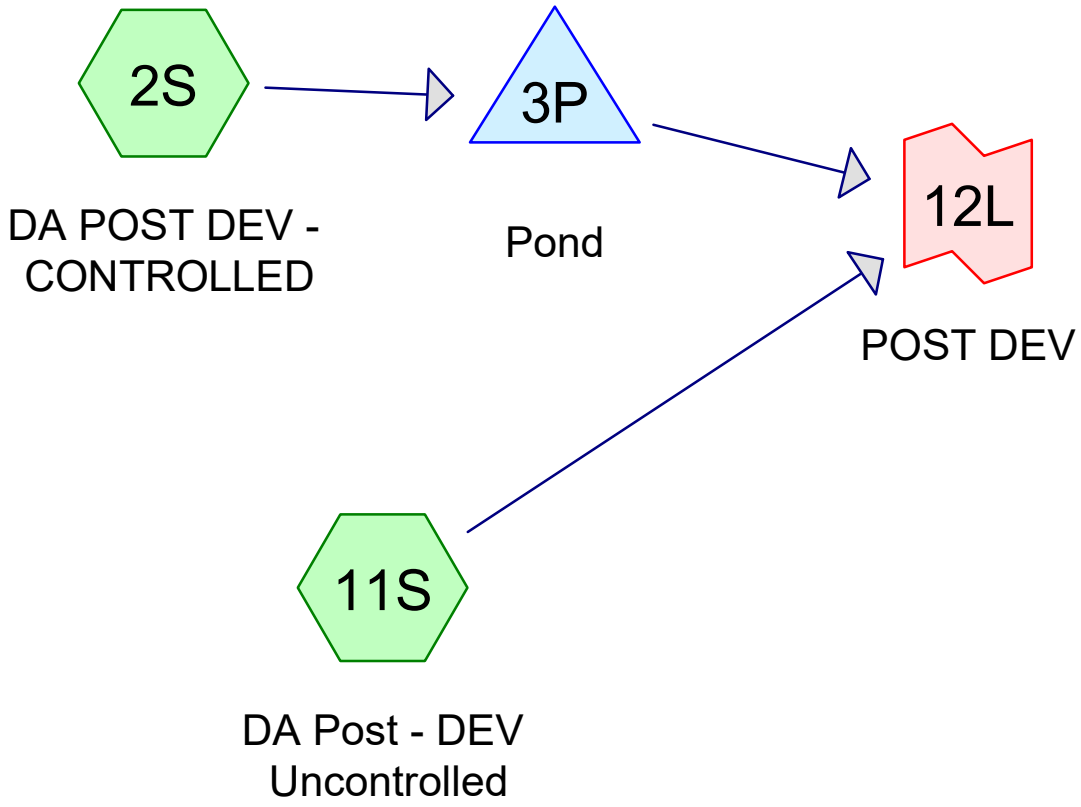
Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

Proposed Runoff

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

POST-DEVELOPMENT



Subcat Reach Pond Link

Routing Diagram for 20.247 - Dodge Road Hydrology
Prepared by Carmina Wood Morris, PC, Printed 2/11/2025
HydroCAD® 10.20-2h s/n 05019 © 2024 HydroCAD Software Solutions LLC

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

Project Notes

Rainfall events imported from "NRCS-Rain.txt" for 7041 NY Erie

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

Rainfall Events Listing (selected events)

Event#	Event Name	Storm Type	Curve	Mode	Duration (hours)	B/B	Depth (inches)	AMC
1	1-Year	NRCC 24-hr	A	Default	24.00	1	1.87	2
2	10-Year	NRCC 24-hr	A	Default	24.00	1	3.14	2
3	25-Year	NRCC 24-hr	A	Default	24.00	1	3.84	2
4	100-Year	NRCC 24-hr	A	Default	24.00	1	5.23	2

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

Area Listing (selected nodes)

Area (acres)	CN	Description (subcatchment-numbers)
3.270	87	1/4 acre lots, 38% imp, HSG D (2S)
2.470	80	>75% Grass cover, Good, HSG D (2S, 11S)
0.970	98	Paved parking, HSG D (2S)
6.710	**86**	**TOTAL AREA**

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

Soil Listing (selected nodes)

Area (acres)	Soil Group	Subcatchment Numbers
0.000	HSG A	
0.000	HSG B	
0.000	HSG C	
6.710	HSG D	2S, 11S
0.000	Other	
6.710		**TOTAL AREA**

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

Ground Covers (selected nodes)

HSG-A (acres)	HSG-B (acres)	HSG-C (acres)	HSG-D (acres)	Other (acres)	Total (acres)	Ground Cover	Subcatchn Numbers
0.000	0.000	0.000	3.270	0.000	3.270	1/4 acre lots, 38% imp	2S
0.000	0.000	0.000	2.470	0.000	2.470	>75% Grass cover, Good	2S, 11S
0.000	0.000	0.000	0.970	0.000	0.970	Paved parking	2S
0.000	**0.000**	**0.000**	**6.710**	**0.000**	**6.710**	**TOTAL AREA**	

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

Pipe Listing (selected nodes)

Line#	Node Number	In-Invert (feet)	Out-Invert (feet)	Length (feet)	Slope (ft/ft)	n	Width (inches)	Diam/Height (inches)	Inside-Fill (inches)
1	2S	0.00	0.00	740.0	0.0040	0.013	0.0	12.0	0.0
2	3P	578.51	578.45	16.0	0.0037	0.012	0.0	8.0	0.0
3	3P	578.34	578.21	34.0	0.0038	0.012	0.0	18.0	0.0

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

Time span=5.00-24.00 hrs, dt=0.05 hrs, 381 points
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN
Reach routing by Stor-Ind+Trans method - Pond routing by Stor-Ind method

Subcatchment 2S: DA POST DEV - Runoff Area=5.610 ac 39.44% Impervious Runoff Depth>0.80"
Flow Length=860' Tc=27.1 min CN=87 Runoff=3.74 cfs 0.374 af

Subcatchment 11S: DA Post - DEV Runoff Area=1.100 ac 0.00% Impervious Runoff Depth>0.48"
Flow Length=370' Slope=0.0100 '/' Tc=22.0 min CN=80 Runoff=0.45 cfs 0.044 af

Pond 3P: Pond Peak Elev=580.32' Storage=3,985 cf Inflow=3.74 cfs 0.374 af
Outflow=2.05 cfs 0.367 af

Link 12L: POST DEV Inflow=2.29 cfs 0.411 af
Primary=2.29 cfs 0.411 af

Total Runoff Area = 6.710 ac Runoff Volume = 0.418 af Average Runoff Depth = 0.75"
67.03% Pervious = 4.497 ac 32.97% Impervious = 2.213 ac

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

Summary for Subcatchment 2S: DA POST DEV - CONTROLLED

[47] Hint: Peak is 166% of capacity of segment #3

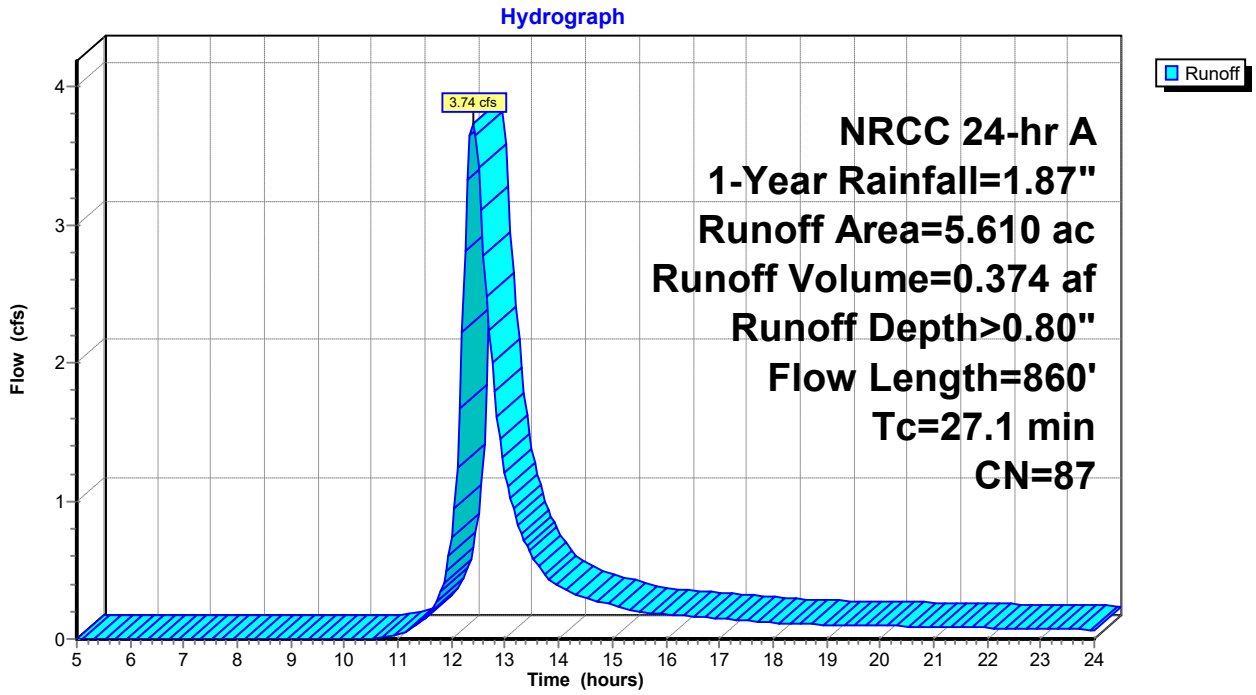
Runoff = 3.74 cfs @ 12.40 hrs, Volume= 0.374 af, Depth> 0.80"
Routed to Pond 3P : Pond

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-24.00 hrs, dt= 0.05 hrs
NRCC 24-hr A 1-Year Rainfall=1.87"

Area (ac)	CN	Description
0.970	98	Paved parking, HSG D
3.270	87	1/4 acre lots, 38% imp, HSG D
1.370	80	>75% Grass cover, Good, HSG D
5.610	87	Weighted Average
3.397		60.56% Pervious Area
2.213		39.44% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
22.7	100	0.0100	0.07		**Sheet Flow, SF** Grass: Dense n= 0.240 P2= 2.20"
0.1	20	0.0200	2.28		**Shallow Concentrated Flow,** Unpaved Kv= 16.1 fps
4.3	740	0.0040	2.87	2.25	**Pipe Channel,** 12.0" Round Area= 0.8 sf Perim= 3.1' r= 0.25' n= 0.013 Concrete pipe, straight & clean
27.1	860	Total			

Subcatchment 2S: DA POST DEV - CONTROLLED



Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

Hydrograph for Subcatchment 2S: DA POST DEV - CONTROLLED

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.00	0.10	0.00	0.00
5.25	0.10	0.00	0.00
5.50	0.11	0.00	0.00
5.75	0.11	0.00	0.00
6.00	0.12	0.00	0.00
6.25	0.13	0.00	0.00
6.50	0.13	0.00	0.00
6.75	0.14	0.00	0.00
7.00	0.15	0.00	0.00
7.25	0.16	0.00	0.00
7.50	0.17	0.00	0.00
7.75	0.18	0.00	0.00
8.00	0.19	0.00	0.00
8.25	0.20	0.00	0.00
8.50	0.21	0.00	0.00
8.75	0.22	0.00	0.00
9.00	0.23	0.00	0.00
9.25	0.24	0.00	0.00
9.50	0.26	0.00	0.00
9.75	0.27	0.00	0.00
10.00	0.29	0.00	0.00
10.25	0.31	0.00	0.00
10.50	0.33	0.00	0.00
10.75	0.36	0.00	0.01
11.00	0.39	0.01	0.04
11.25	0.44	0.01	0.07
11.50	0.50	0.02	0.15
11.75	0.62	0.06	0.29
12.00	0.88	0.16	0.74
12.25	1.25	0.37	**2.81**
12.50	1.37	0.45	**3.41**
12.75	1.43	0.49	2.00
13.00	1.48	0.52	1.20
13.25	1.51	0.54	0.82
13.50	1.54	0.56	0.60
13.75	1.56	0.58	0.46
14.00	1.58	0.59	0.38
14.25	1.60	0.60	0.33
14.50	1.61	0.62	0.30
14.75	1.63	0.63	0.27
15.00	1.64	0.64	0.24
15.25	1.65	0.64	0.22
15.50	1.66	0.65	0.20
15.75	1.67	0.66	0.18
16.00	1.68	0.67	0.18
16.25	1.69	0.67	0.17
16.50	1.70	0.68	0.16
16.75	1.71	0.69	0.16
17.00	1.72	0.69	0.15
17.25	1.73	0.70	0.14
17.50	1.74	0.71	0.13
17.75	1.74	0.71	0.13
18.00	1.75	0.72	0.12
18.25	1.76	0.72	0.11
18.50	1.76	0.72	0.11
18.75	1.77	0.73	0.10
19.00	1.77	0.73	0.10
19.25	1.78	0.74	0.10
19.50	1.79	0.74	0.10
19.75	1.79	0.75	0.10
20.00	1.80	0.75	0.10
20.25	1.80	0.75	0.09
20.50	1.81	0.76	0.09
20.75	1.81	0.76	0.09
21.00	1.82	0.77	0.09
21.25	1.82	0.77	0.09
21.50	1.83	0.77	0.08
21.75	1.83	0.78	0.08
22.00	1.84	0.78	0.08
22.25	1.84	0.78	0.08
22.50	1.85	0.79	0.08
22.75	1.85	0.79	0.08
23.00	1.85	0.79	0.07
23.25	1.86	0.80	0.07
23.50	1.86	0.80	0.07
23.75	1.87	0.80	0.07
24.00	**1.87**	**0.81**	0.07

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

Summary for Subcatchment 11S: DA Post - DEV Uncontrolled

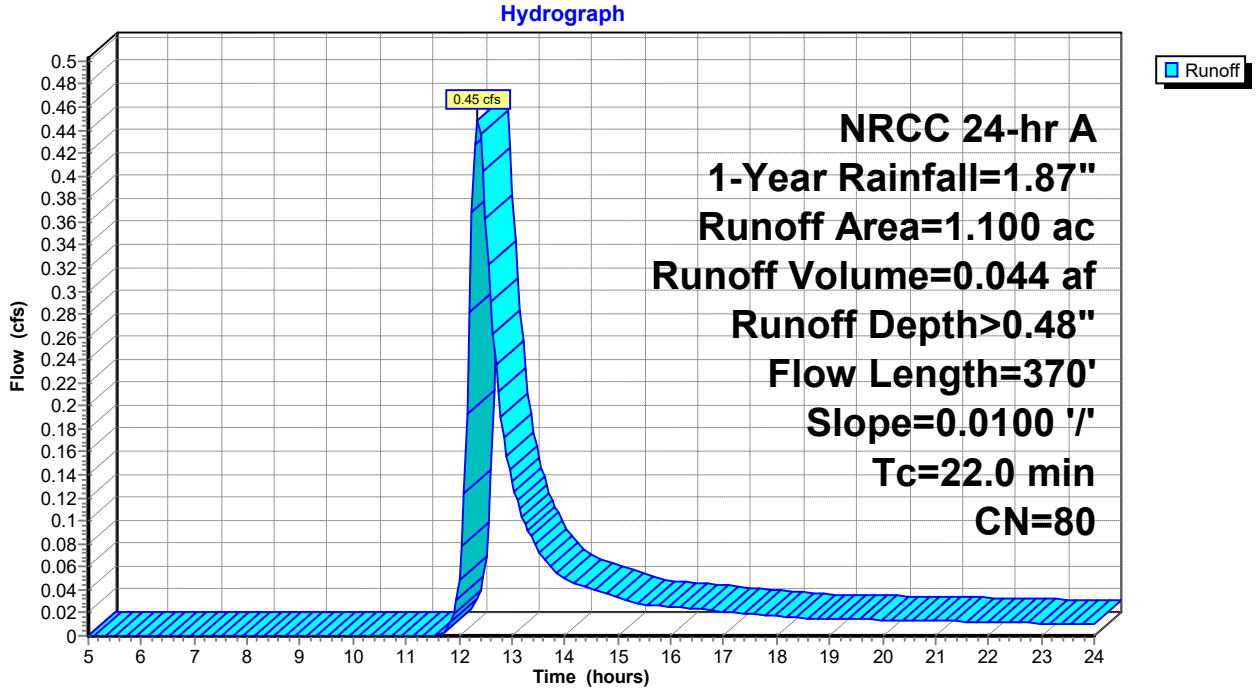
Runoff = 0.45 cfs @ 12.36 hrs, Volume= 0.044 af, Depth> 0.48"
Routed to Link 12L : POST DEV

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-24.00 hrs, dt= 0.05 hrs
NRCC 24-hr A 1-Year Rainfall=1.87"

Area (ac)	CN	Description
1.100	80	>75% Grass cover, Good, HSG D
1.100		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
15.6	100	0.0100	0.11		**Sheet Flow, SF** Grass: Short n= 0.150 P2= 2.20"
6.4	270	0.0100	0.70		**Shallow Concentrated Flow, SCF** Short Grass Pasture Kv= 7.0 fps
22.0	370	Total			

Subcatchment 11S: DA Post - DEV Uncontrolled



Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

Hydrograph for Subcatchment 11S: DA Post - DEV Uncontrolled

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.00	0.10	0.00	0.00
5.25	0.10	0.00	0.00
5.50	0.11	0.00	0.00
5.75	0.11	0.00	0.00
6.00	0.12	0.00	0.00
6.25	0.13	0.00	0.00
6.50	0.13	0.00	0.00
6.75	0.14	0.00	0.00
7.00	0.15	0.00	0.00
7.25	0.16	0.00	0.00
7.50	0.17	0.00	0.00
7.75	0.18	0.00	0.00
8.00	0.19	0.00	0.00
8.25	0.20	0.00	0.00
8.50	0.21	0.00	0.00
8.75	0.22	0.00	0.00
9.00	0.23	0.00	0.00
9.25	0.24	0.00	0.00
9.50	0.26	0.00	0.00
9.75	0.27	0.00	0.00
10.00	0.29	0.00	0.00
10.25	0.31	0.00	0.00
10.50	0.33	0.00	0.00
10.75	0.36	0.00	0.00
11.00	0.39	0.00	0.00
11.25	0.44	0.00	0.00
11.50	0.50	0.00	0.00
11.75	0.62	0.01	0.00
12.00	0.88	0.05	0.05
12.25	1.25	0.17	**0.37**
12.50	1.37	0.22	**0.36**
12.75	1.43	0.25	0.21
13.00	1.48	0.27	0.13
13.25	1.51	0.29	0.10
13.50	1.54	0.30	0.07
13.75	1.56	0.32	0.06
14.00	1.58	0.33	0.05
14.25	1.60	0.33	0.05
14.50	1.61	0.34	0.04
14.75	1.63	0.35	0.04
15.00	1.64	0.36	0.03
15.25	1.65	0.36	0.03
15.50	1.66	0.37	0.03
15.75	1.67	0.38	0.03
16.00	1.68	0.38	0.03
16.25	1.69	0.39	0.02
16.50	1.70	0.39	0.02
16.75	1.71	0.40	0.02
17.00	1.72	0.40	0.02
17.25	1.73	0.41	0.02
17.50	1.74	0.41	0.02
17.75	1.74	0.41	0.02
18.00	1.75	0.42	0.02
18.25	1.76	0.42	0.02
18.50	1.76	0.42	0.02
18.75	1.77	0.43	0.02
19.00	1.77	0.43	0.01
19.25	1.78	0.43	0.01
19.50	1.79	0.44	0.01
19.75	1.79	0.44	0.01
20.00	1.80	0.44	0.01
20.25	1.80	0.45	0.01
20.50	1.81	0.45	0.01
20.75	1.81	0.45	0.01
21.00	1.82	0.45	0.01
21.25	1.82	0.46	0.01
21.50	1.83	0.46	0.01
21.75	1.83	0.46	0.01
22.00	1.84	0.47	0.01
22.25	1.84	0.47	0.01
22.50	1.85	0.47	0.01
22.75	1.85	0.47	0.01
23.00	1.85	0.48	0.01
23.25	1.86	0.48	0.01
23.50	1.86	0.48	0.01
23.75	1.87	0.48	0.01
24.00	**1.87**	**0.48**	0.01

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

Summary for Pond 3P: Pond

Inflow Area = 5.610 ac, 39.44% Impervious, Inflow Depth > 0.80" for 1-Year event
Inflow = 3.74 cfs @ 12.40 hrs, Volume= 0.374 af
Outflow = 2.05 cfs @ 12.74 hrs, Volume= 0.367 af, Atten= 45%, Lag= 20.5 min
Primary = 2.05 cfs @ 12.74 hrs, Volume= 0.367 af
Routed to Link 12L : POST DEV

Routing by Stor-Ind method, Time Span= 5.00-24.00 hrs, dt= 0.05 hrs
Peak Elev= 580.32' @ 12.74 hrs Surf.Area= 2,767 sf Storage= 3,985 cf

Plug-Flow detention time= 36.2 min calculated for 0.367 af (98% of inflow)
Center-of-Mass det. time= 25.4 min (871.8 - 846.4)

Volume	Invert	Avail.Storage	Storage Description
#1	578.50'	34,837 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
578.50	1,628	0	0
579.00	1,920	887	887
580.00	2,550	2,235	3,122
581.00	3,220	2,885	6,007
582.00	3,960	3,590	9,597
583.00	4,760	4,360	13,957
584.00	11,860	8,310	22,267
585.00	13,280	12,570	34,837

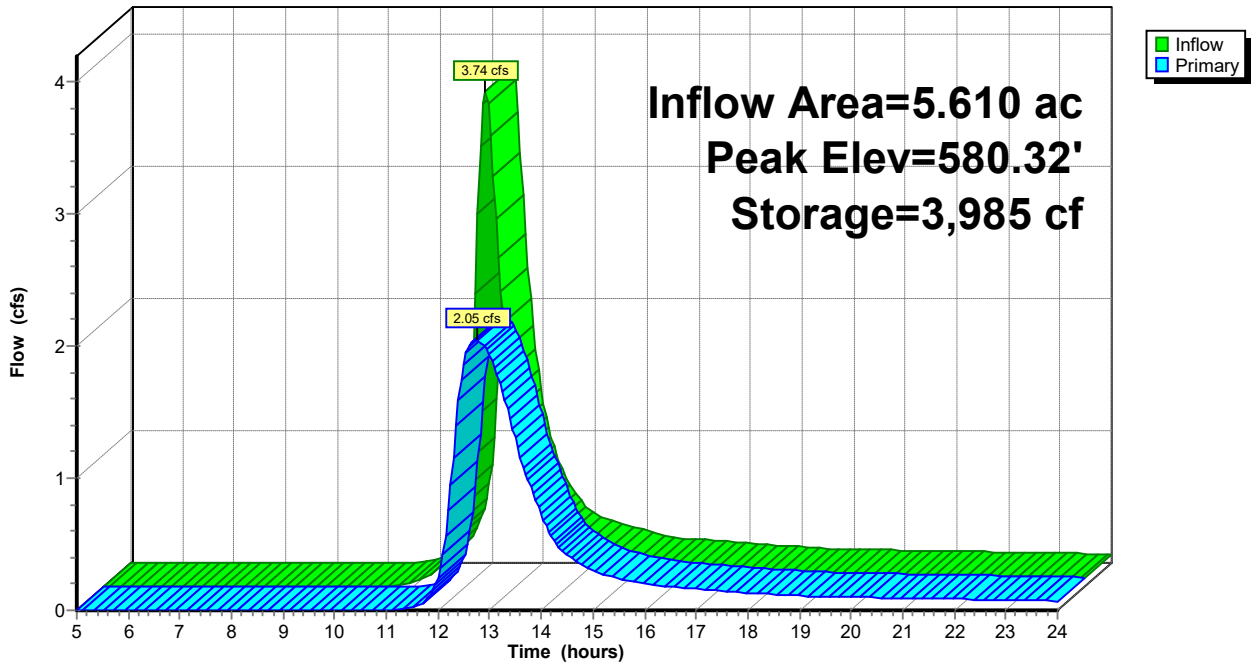
Device	Routing	Invert	Outlet Devices
#1	Device 4	578.51'	**8.0" Round Culvert** L= 16.0' RCP, square edge headwall, Ke= 0.500 Inlet / Outlet Invert= 578.51' / 578.45' S= 0.0037 '/' Cc= 0.900 n= 0.012 Corrugated PP, smooth interior, Flow Area= 0.35 sf
#2	Device 4	583.00'	**36.0" W x 36.0" H Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#3	Device 4	584.00'	**36.0" W x 36.0" H Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#4	Primary	578.34'	**18.0" Round Culvert** L= 34.0' RCP, square edge headwall, Ke= 0.500 Inlet / Outlet Invert= 578.34' / 578.21' S= 0.0038 '/' Cc= 0.900 n= 0.012 Corrugated PP, smooth interior, Flow Area= 1.77 sf

Primary OutFlow Max=2.04 cfs @ 12.74 hrs HW=580.32' (Free Discharge)
└**4=Culvert** (Passes 2.04 cfs of 7.94 cfs potential flow)
  └**1=Culvert** (Inlet Controls 2.04 cfs @ 5.86 fps)
  └**2=Orifice/Grate** (Controls 0.00 cfs)
  └**3=Orifice/Grate** (Controls 0.00 cfs)

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

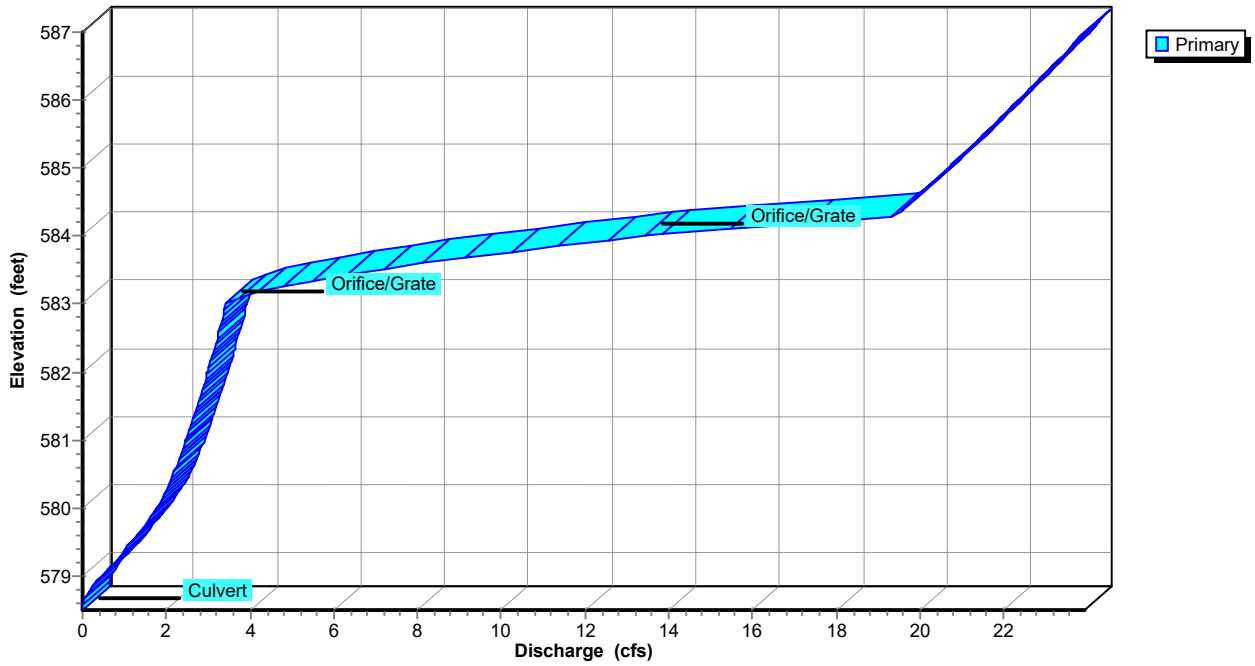
Pond 3P: Pond

Hydrograph



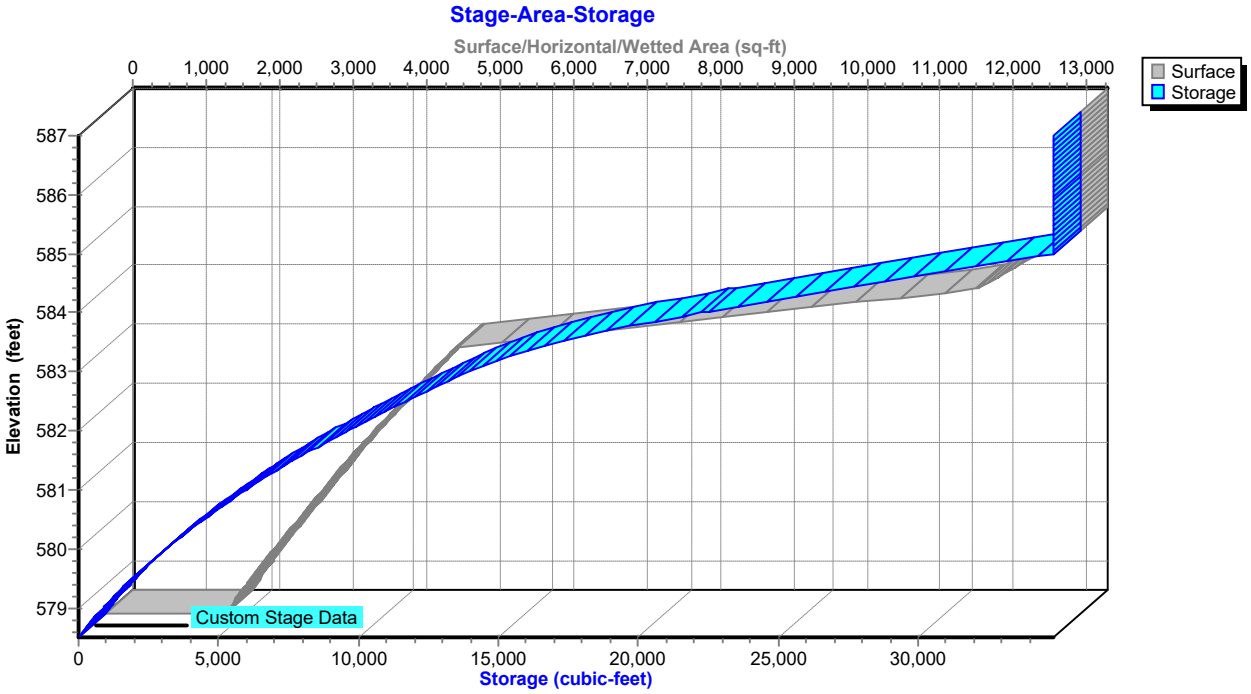
Pond 3P: Pond

Stage-Discharge



Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

Pond 3P: Pond



Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

Hydrograph for Pond 3P: Pond

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
5.00	0.00	0	578.50	0.00
5.50	0.00	0	578.50	0.00
6.00	0.00	0	578.50	0.00
6.50	0.00	0	578.50	0.00
7.00	0.00	0	578.50	0.00
7.50	0.00	0	578.50	0.00
8.00	0.00	0	578.50	0.00
8.50	0.00	0	578.50	0.00
9.00	0.00	0	578.50	0.00
9.50	0.00	0	578.50	0.00
10.00	0.00	0	578.50	0.00
10.50	0.00	1	578.50	0.00
11.00	0.04	30	578.52	0.00
11.50	0.15	163	578.60	0.02
12.00	**0.74**	611	578.85	0.24
12.50	**3.41**	**3,384**	**580.10**	**1.86**
13.00	1.20	**3,583**	**580.18**	**1.93**
13.50	0.60	2,154	579.60	1.30
14.00	0.38	1,213	579.17	0.73
14.50	0.30	835	578.97	0.42
15.00	0.24	690	578.90	0.30
15.50	0.20	599	578.85	0.24
16.00	0.18	544	578.82	0.20
16.50	0.16	510	578.80	0.18
17.00	0.15	484	578.78	0.16
17.50	0.13	461	578.77	0.15
18.00	0.12	438	578.76	0.13
18.50	0.11	414	578.74	0.12
19.00	0.10	395	578.73	0.11
19.50	0.10	383	578.73	0.10
20.00	0.10	373	578.72	0.10
20.50	0.09	365	578.72	0.10
21.00	0.09	358	578.71	0.09
21.50	0.08	350	578.71	0.09
22.00	0.08	343	578.70	0.08
22.50	0.08	335	578.70	0.08
23.00	0.07	328	578.69	0.08
23.50	0.07	320	578.69	0.07
24.00	0.07	313	578.69	0.07

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

Stage-Discharge for Pond 3P: Pond

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
578.50	0.00	581.35	2.66	584.20	17.41
578.55	0.00	581.40	2.69	584.25	18.57
578.60	0.02	581.45	2.71	584.30	19.42
578.65	0.04	581.50	2.74	584.35	19.51
578.70	0.08	581.55	2.77	584.40	19.61
578.75	0.12	581.60	2.79	584.45	19.70
578.80	0.18	581.65	2.82	584.50	19.79
578.85	0.24	581.70	2.84	584.55	19.88
578.90	0.31	581.75	2.87	584.60	19.97
578.95	0.38	581.80	2.89	584.65	20.06
579.00	0.46	581.85	2.91	584.70	20.15
579.05	0.54	581.90	2.94	584.75	20.24
579.10	0.62	581.95	2.96	584.80	20.33
579.15	0.70	582.00	2.99	584.85	20.42
579.20	0.78	582.05	3.01	584.90	20.51
579.25	0.86	582.10	3.03	584.95	20.60
579.30	0.93	582.15	3.06	585.00	20.69
579.35	0.98	582.20	3.08	585.05	20.77
579.40	1.00	582.25	3.10	585.10	20.86
579.45	1.08	582.30	3.12	585.15	20.95
579.50	1.16	582.35	3.15	585.20	21.03
579.55	1.23	582.40	3.17	585.25	21.12
579.60	1.30	582.45	3.19	585.30	21.20
579.65	1.37	582.50	3.21	585.35	21.29
579.70	1.43	582.55	3.24	585.40	21.37
579.75	1.49	582.60	3.26	585.45	21.46
579.80	1.55	582.65	3.28	585.50	21.54
579.85	1.60	582.70	3.30	585.55	21.63
579.90	1.66	582.75	3.32	585.60	21.71
579.95	1.71	582.80	3.34	585.65	21.79
580.00	1.76	582.85	3.36	585.70	21.88
580.05	1.81	582.90	3.39	585.75	21.96
580.10	1.86	582.95	3.41	585.80	22.04
580.15	1.90	583.00	3.43	585.85	22.12
580.20	1.95	583.05	3.55	585.90	22.20
580.25	1.99	583.10	3.77	585.95	22.29
580.30	2.03	583.15	4.05	586.00	22.37
580.35	2.06	583.20	4.37	586.05	22.45
580.40	2.10	583.25	4.73	586.10	22.53
580.45	2.13	583.30	5.13	586.15	22.61
580.50	2.16	583.35	5.56	586.20	22.69
580.55	2.20	583.40	6.02	586.25	22.77
580.60	2.23	583.45	6.51	586.30	22.85
580.65	2.26	583.50	7.03	586.35	22.93
580.70	2.29	583.55	7.57	586.40	23.01
580.75	2.32	583.60	8.14	586.45	23.08
580.80	2.35	583.65	8.73	586.50	23.16
580.85	2.38	583.70	9.34	586.55	23.24
580.90	2.41	583.75	9.98	586.60	23.32
580.95	2.44	583.80	10.63	586.65	23.40
581.00	2.47	583.85	11.31	586.70	23.47
581.05	2.50	583.90	12.00	586.75	23.55
581.10	2.52	583.95	12.71	586.80	23.63
581.15	2.55	584.00	13.45	586.85	23.70
581.20	2.58	584.05	14.30	586.90	23.78
581.25	2.61	584.10	15.27	586.95	23.85
581.30	2.63	584.15	16.31	587.00	**23.93**

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

Stage-Area-Storage for Pond 3P: Pond

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
578.50	1,628	0
578.60	1,686	166
578.70	1,745	337
578.80	1,803	515
578.90	1,862	698
579.00	1,920	887
579.10	1,983	1,082
579.20	2,046	1,284
579.30	2,109	1,491
579.40	2,172	1,705
579.50	2,235	1,926
579.60	2,298	2,152
579.70	2,361	2,385
579.80	2,424	2,625
579.90	2,487	2,870
580.00	2,550	3,122
580.10	2,617	3,380
580.20	2,684	3,645
580.30	2,751	3,917
580.40	2,818	4,196
580.50	2,885	4,481
580.60	2,952	4,773
580.70	3,019	5,071
580.80	3,086	5,376
580.90	3,153	5,688
581.00	3,220	6,007
581.10	3,294	6,333
581.20	3,368	6,666
581.30	3,442	7,006
581.40	3,516	7,354
581.50	3,590	7,710
581.60	3,664	8,072
581.70	3,738	8,442
581.80	3,812	8,820
581.90	3,886	9,205
582.00	3,960	9,597
582.10	4,040	9,997
582.20	4,120	10,405
582.30	4,200	10,821
582.40	4,280	11,245
582.50	4,360	11,677
582.60	4,440	12,117
582.70	4,520	12,565
582.80	4,600	13,021
582.90	4,680	13,485
583.00	4,760	13,957
583.10	5,470	14,469
583.20	6,180	15,051
583.30	6,890	15,704
583.40	7,600	16,429
583.50	8,310	17,225
583.60	9,020	18,091
583.70	9,730	19,029
583.80	10,440	20,037
583.90	11,150	21,116
584.00	11,860	22,267
584.10	12,002	23,460
584.20	12,144	24,667
584.30	12,286	25,889
584.40	12,428	27,125
584.50	12,570	28,375
584.60	12,712	29,639
584.70	12,854	30,917
584.80	12,996	32,209
584.90	13,138	33,516
585.00	**13,280**	**34,837**
585.10	13,280	34,837
585.20	13,280	34,837
585.30	13,280	34,837
585.40	13,280	34,837
585.50	13,280	34,837
585.60	13,280	34,837
585.70	13,280	34,837
585.80	13,280	34,837
585.90	13,280	34,837
586.00	13,280	34,837
586.10	13,280	34,837
586.20	13,280	34,837
586.30	13,280	34,837
586.40	13,280	34,837
586.50	13,280	34,837
586.60	13,280	34,837
586.70	13,280	34,837
586.80	13,280	34,837
586.90	13,280	34,837
587.00	13,280	34,837

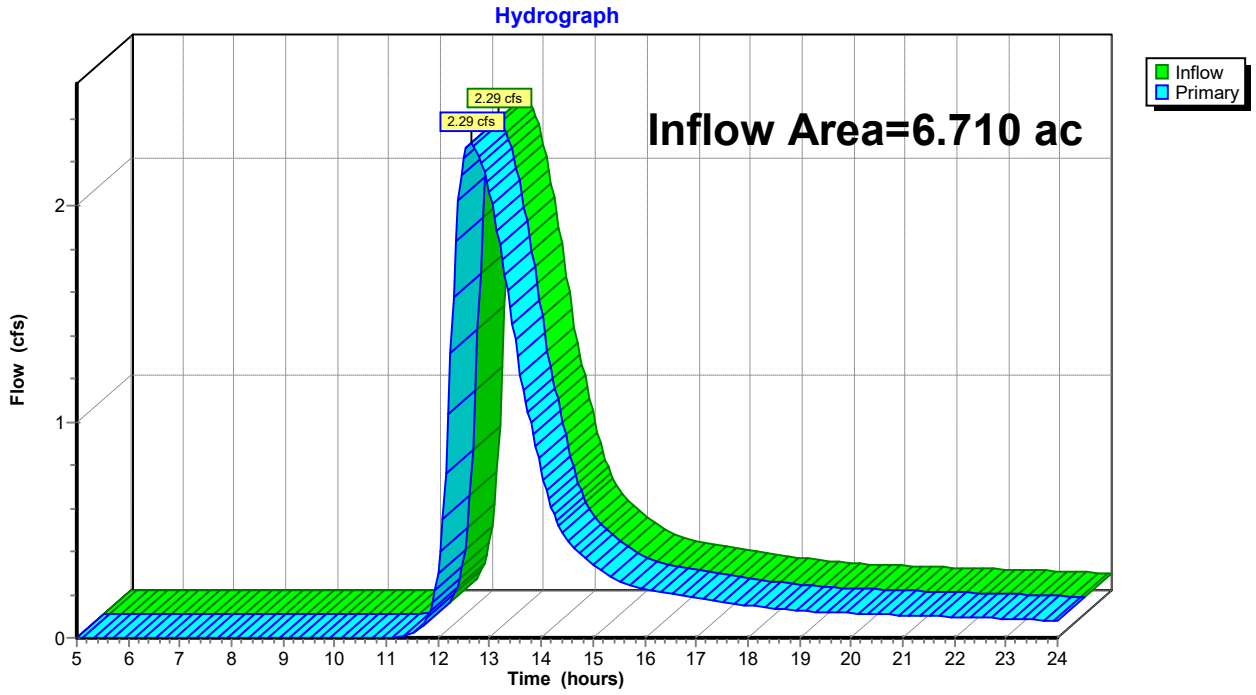
Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

Summary for Link 12L: POST DEV

Inflow Area = 6.710 ac, 32.97% Impervious, Inflow Depth > 0.74" for 1-Year event
Inflow = 2.29 cfs @ 12.63 hrs, Volume= 0.411 af
Primary = 2.29 cfs @ 12.63 hrs, Volume= 0.411 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 5.00-24.00 hrs, dt= 0.05 hrs

Link 12L: POST DEV



Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

Hydrograph for Link 12L: POST DEV

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
5.00	0.00	**0.00**	0.00
5.25	0.00	0.00	0.00
5.50	0.00	0.00	0.00
5.75	0.00	0.00	0.00
6.00	0.00	0.00	0.00
6.25	0.00	0.00	0.00
6.50	0.00	0.00	0.00
6.75	0.00	0.00	0.00
7.00	0.00	0.00	0.00
7.25	0.00	0.00	0.00
7.50	0.00	0.00	0.00
7.75	0.00	0.00	0.00
8.00	0.00	0.00	0.00
8.25	0.00	0.00	0.00
8.50	0.00	0.00	0.00
8.75	0.00	0.00	0.00
9.00	0.00	0.00	0.00
9.25	0.00	0.00	0.00
9.50	0.00	0.00	0.00
9.75	0.00	0.00	0.00
10.00	0.00	0.00	0.00
10.25	0.00	0.00	0.00
10.50	0.00	0.00	0.00
10.75	0.00	0.00	0.00
11.00	0.00	0.00	0.00
11.25	0.01	0.00	0.01
11.50	0.02	0.00	0.02
11.75	0.07	0.00	0.07
12.00	0.29	0.00	0.29
12.25	1.32	0.00	1.32
12.50	**2.22**	0.00	**2.22**
12.75	**2.26**	0.00	**2.26**
13.00	2.06	0.00	2.06
13.25	1.75	0.00	1.75
13.50	1.38	0.00	1.38
13.75	1.05	0.00	1.05
14.00	0.78	0.00	0.78
14.25	0.57	0.00	0.57
14.50	0.46	0.00	0.46
14.75	0.39	0.00	0.39
15.00	0.34	0.00	0.34
15.25	0.30	0.00	0.30
15.50	0.26	0.00	0.26
15.75	0.24	0.00	0.24
16.00	0.22	0.00	0.22
16.25	0.21	0.00	0.21
16.50	0.20	0.00	0.20
16.75	0.19	0.00	0.19
17.00	0.18	0.00	0.18
17.25	0.17	0.00	0.17
17.50	0.17	0.00	0.17
17.75	0.16	0.00	0.16
18.00	0.15	0.00	0.15
18.25	0.14	0.00	0.14
18.50	0.14	0.00	0.14
18.75	0.13	0.00	0.13
19.00	0.13	0.00	0.13
19.25	0.12	0.00	0.12
19.50	0.12	0.00	0.12
19.75	0.12	0.00	0.12
20.00	0.11	0.00	0.11
20.25	0.11	0.00	0.11
20.50	0.11	0.00	0.11
20.75	0.11	0.00	0.11
21.00	0.11	0.00	0.11
21.25	0.10	0.00	0.10
21.50	0.10	0.00	0.10
21.75	0.10	0.00	0.10
22.00	0.10	0.00	0.10
22.25	0.09	0.00	0.09
22.50	0.09	0.00	0.09
22.75	0.09	0.00	0.09
23.00	0.09	0.00	0.09
23.25	0.09	0.00	0.09
23.50	0.08	0.00	0.08
23.75	0.08	0.00	0.08
24.00	0.08	0.00	0.08

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

Time span=5.00-24.00 hrs, dt=0.05 hrs, 381 points
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN
Reach routing by Stor-Ind+Trans method - Pond routing by Stor-Ind method

Subcatchment 2S: DA POST DEV - Runoff Area=5.610 ac 39.44% Impervious Runoff Depth>1.85"
Flow Length=860' Tc=27.1 min CN=87 Runoff=8.76 cfs 0.866 af

Subcatchment 11S: DA Post - DEV Runoff Area=1.100 ac 0.00% Impervious Runoff Depth>1.35"
Flow Length=370' Slope=0.0100 '/' Tc=22.0 min CN=80 Runoff=1.37 cfs 0.124 af

Pond 3P: Pond Peak Elev=582.58' Storage=12,044 cf Inflow=8.76 cfs 0.866 af
Outflow=3.25 cfs 0.856 af

Link 12L: POST DEV Inflow=3.99 cfs 0.980 af
Primary=3.99 cfs 0.980 af

Total Runoff Area = 6.710 ac Runoff Volume = 0.990 af Average Runoff Depth = 1.77"
67.03% Pervious = 4.497 ac 32.97% Impervious = 2.213 ac

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

Summary for Subcatchment 2S: DA POST DEV - CONTROLLED

[47] Hint: Peak is 389% of capacity of segment #3

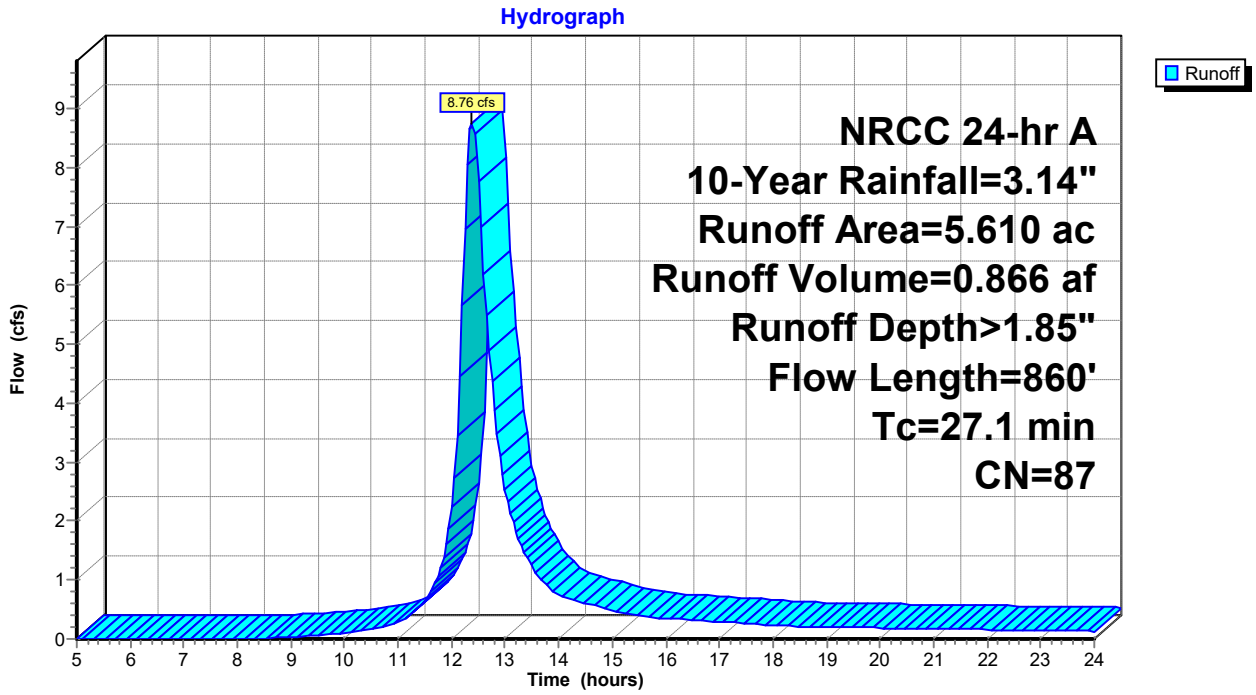
Runoff = 8.76 cfs @ 12.38 hrs, Volume= 0.866 af, Depth> 1.85"
Routed to Pond 3P : Pond

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-24.00 hrs, dt= 0.05 hrs
NRCC 24-hr A 10-Year Rainfall=3.14"

Area (ac)	CN	Description
0.970	98	Paved parking, HSG D
3.270	87	1/4 acre lots, 38% imp, HSG D
1.370	80	>75% Grass cover, Good, HSG D
5.610	87	Weighted Average
3.397		60.56% Pervious Area
2.213		39.44% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
22.7	100	0.0100	0.07		**Sheet Flow, SF** Grass: Dense n= 0.240 P2= 2.20"
0.1	20	0.0200	2.28		**Shallow Concentrated Flow,** Unpaved Kv= 16.1 fps
4.3	740	0.0040	2.87	2.25	**Pipe Channel,** 12.0" Round Area= 0.8 sf Perim= 3.1' r= 0.25' n= 0.013 Concrete pipe, straight & clean
27.1	860	Total			

Subcatchment 2S: DA POST DEV - CONTROLLED



Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

Hydrograph for Subcatchment 2S: DA POST DEV - CONTROLLED

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.00	0.16	0.00	0.00
5.25	0.17	0.00	0.00
5.50	0.18	0.00	0.00
5.75	0.19	0.00	0.00
6.00	0.20	0.00	0.00
6.25	0.21	0.00	0.00
6.50	0.22	0.00	0.00
6.75	0.24	0.00	0.00
7.00	0.25	0.00	0.00
7.25	0.26	0.00	0.00
7.50	0.28	0.00	0.00
7.75	0.29	0.00	0.00
8.00	0.31	0.00	0.00
8.25	0.33	0.00	0.00
8.50	0.35	0.00	0.01
8.75	0.36	0.00	0.02
9.00	0.38	0.00	0.03
9.25	0.41	0.01	0.04
9.50	0.43	0.01	0.06
9.75	0.46	0.02	0.08
10.00	0.49	0.02	0.10
10.25	0.52	0.03	0.13
10.50	0.56	0.04	0.17
10.75	0.61	0.05	0.21
11.00	0.66	0.07	0.30
11.25	0.74	0.10	0.43
11.50	0.84	0.15	0.65
11.75	1.03	0.24	1.07
12.00	1.48	0.52	2.24
12.25	2.11	0.99	**6.97**
12.50	2.30	1.14	**7.78**
12.75	2.40	1.23	4.36
13.00	2.48	1.29	2.54
13.25	2.53	1.34	1.70
13.50	2.58	1.38	1.22
13.75	2.62	1.41	0.93
14.00	2.65	1.44	0.76
14.25	2.68	1.46	0.67
14.50	2.71	1.49	0.60
14.75	2.73	1.51	0.54
15.00	2.76	1.53	0.49
15.25	2.78	1.54	0.43
15.50	2.79	1.56	0.39
15.75	2.81	1.58	0.37
16.00	2.83	1.59	0.35
16.25	2.85	1.60	0.34
16.50	2.86	1.62	0.32
16.75	2.88	1.63	0.31
17.00	2.89	1.64	0.29
17.25	2.90	1.66	0.28
17.50	2.92	1.67	0.26
17.75	2.93	1.68	0.25
18.00	2.94	1.69	0.24
18.25	2.95	1.70	0.22
18.50	2.96	1.70	0.21
18.75	2.97	1.71	0.20
19.00	2.98	1.72	0.20
19.25	2.99	1.73	0.20
19.50	3.00	1.74	0.19
19.75	3.01	1.75	0.19
20.00	3.02	1.75	0.19
20.25	3.03	1.76	0.18
20.50	3.04	1.77	0.18
20.75	3.04	1.78	0.18
21.00	3.05	1.79	0.17
21.25	3.06	1.79	0.17
21.50	3.07	1.80	0.16
21.75	3.08	1.81	0.16
22.00	3.08	1.81	0.16
22.25	3.09	1.82	0.15
22.50	3.10	1.83	0.15
22.75	3.11	1.83	0.15
23.00	3.11	1.84	0.14
23.25	3.12	1.84	0.14
23.50	3.13	1.85	0.14
23.75	3.13	1.86	0.13
24.00	**3.14**	**1.86**	0.13

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

Summary for Subcatchment 11S: DA Post - DEV Uncontrolled

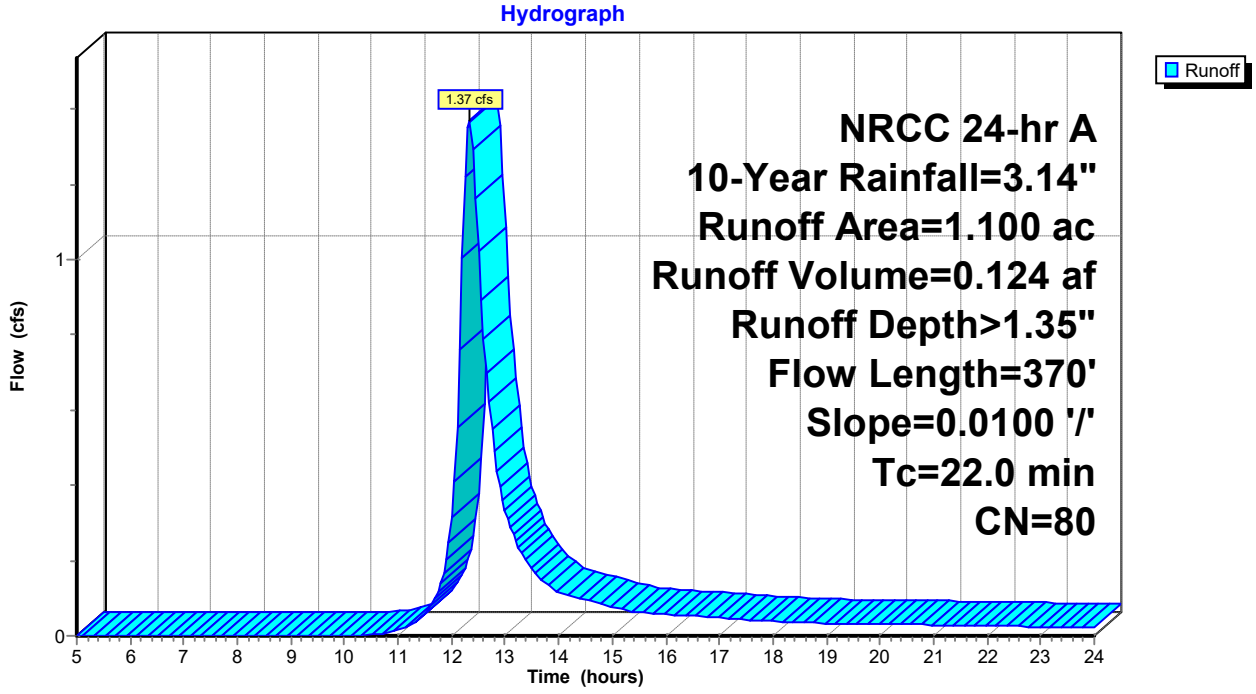
Runoff = 1.37 cfs @ 12.33 hrs, Volume= 0.124 af, Depth> 1.35"
Routed to Link 12L : POST DEV

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-24.00 hrs, dt= 0.05 hrs
NRCC 24-hr A 10-Year Rainfall=3.14"

Area (ac)	CN	Description
1.100	80	>75% Grass cover, Good, HSG D
1.100		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
15.6	100	0.0100	0.11		**Sheet Flow, SF** Grass: Short n= 0.150 P2= 2.20"
6.4	270	0.0100	0.70		**Shallow Concentrated Flow, SCF** Short Grass Pasture Kv= 7.0 fps
22.0	370	Total			

Subcatchment 11S: DA Post - DEV Uncontrolled



Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

Hydrograph for Subcatchment 11S: DA Post - DEV Uncontrolled

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.00	0.16	0.00	0.00
5.25	0.17	0.00	0.00
5.50	0.18	0.00	0.00
5.75	0.19	0.00	0.00
6.00	0.20	0.00	0.00
6.25	0.21	0.00	0.00
6.50	0.22	0.00	0.00
6.75	0.24	0.00	0.00
7.00	0.25	0.00	0.00
7.25	0.26	0.00	0.00
7.50	0.28	0.00	0.00
7.75	0.29	0.00	0.00
8.00	0.31	0.00	0.00
8.25	0.33	0.00	0.00
8.50	0.35	0.00	0.00
8.75	0.36	0.00	0.00
9.00	0.38	0.00	0.00
9.25	0.41	0.00	0.00
9.50	0.43	0.00	0.00
9.75	0.46	0.00	0.00
10.00	0.49	0.00	0.00
10.25	0.52	0.00	0.00
10.50	0.56	0.00	0.00
10.75	0.61	0.00	0.01
11.00	0.66	0.01	0.02
11.25	0.74	0.02	0.03
11.50	0.84	0.04	0.06
11.75	1.03	0.09	0.12
12.00	1.48	0.28	0.31
12.25	2.11	0.63	**1.22**
12.50	2.30	0.75	**1.02**
12.75	2.40	0.82	0.55
13.00	2.48	0.87	0.33
13.25	2.53	0.91	0.23
13.50	2.58	0.95	0.18
13.75	2.62	0.97	0.14
14.00	2.65	1.00	0.12
14.25	2.68	1.02	0.11
14.50	2.71	1.04	0.10
14.75	2.73	1.05	0.09
15.00	2.76	1.07	0.08
15.25	2.78	1.08	0.07
15.50	2.79	1.10	0.06
15.75	2.81	1.11	0.06
16.00	2.83	1.12	0.06
16.25	2.85	1.14	0.06
16.50	2.86	1.15	0.05
16.75	2.88	1.16	0.05
17.00	2.89	1.17	0.05
17.25	2.90	1.18	0.05
17.50	2.92	1.19	0.04
17.75	2.93	1.20	0.04
18.00	2.94	1.20	0.04
18.25	2.95	1.21	0.04
18.50	2.96	1.22	0.03
18.75	2.97	1.23	0.03
19.00	2.98	1.23	0.03
19.25	2.99	1.24	0.03
19.50	3.00	1.25	0.03
19.75	3.01	1.26	0.03
20.00	3.02	1.26	0.03
20.25	3.03	1.27	0.03
20.50	3.04	1.28	0.03
20.75	3.04	1.28	0.03
21.00	3.05	1.29	0.03
21.25	3.06	1.30	0.03
21.50	3.07	1.30	0.03
21.75	3.08	1.31	0.03
22.00	3.08	1.31	0.03
22.25	3.09	1.32	0.03
22.50	3.10	1.33	0.03
22.75	3.11	1.33	0.02
23.00	3.11	1.34	0.02
23.25	3.12	1.34	0.02
23.50	3.13	1.35	0.02
23.75	3.13	1.35	0.02
24.00	**3.14**	**1.36**	0.02

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

Summary for Pond 3P: Pond

Inflow Area = 5.610 ac, 39.44% Impervious, Inflow Depth > 1.85" for 10-Year event
Inflow = 8.76 cfs @ 12.38 hrs, Volume= 0.866 af
Outflow = 3.25 cfs @ 12.88 hrs, Volume= 0.856 af, Atten= 63%, Lag= 29.8 min
Primary = 3.25 cfs @ 12.88 hrs, Volume= 0.856 af
Routed to Link 12L : POST DEV

Routing by Stor-Ind method, Time Span= 5.00-24.00 hrs, dt= 0.05 hrs
Peak Elev= 582.58' @ 12.88 hrs Surf.Area= 4,427 sf Storage= 12,044 cf

Plug-Flow detention time= 44.7 min calculated for 0.854 af (99% of inflow)
Center-of-Mass det. time= 37.8 min (864.4 - 826.5)

Volume	Invert	Avail.Storage	Storage Description
#1	578.50'	34,837 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

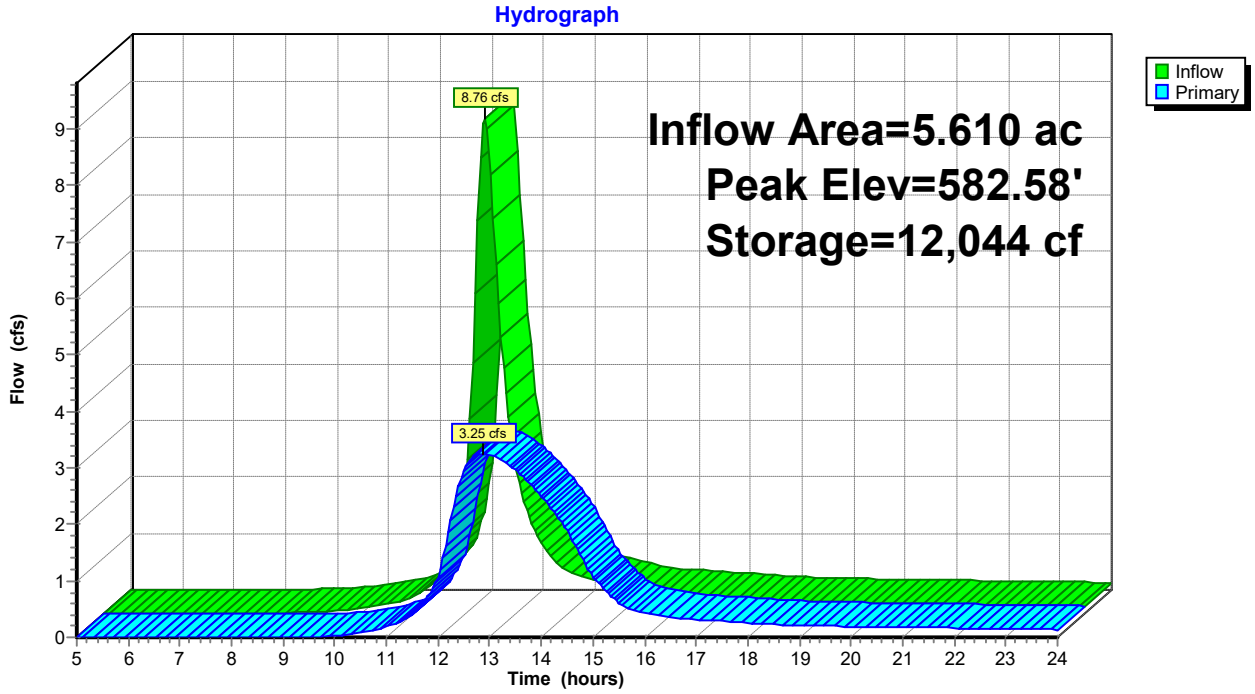
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
578.50	1,628	0	0
579.00	1,920	887	887
580.00	2,550	2,235	3,122
581.00	3,220	2,885	6,007
582.00	3,960	3,590	9,597
583.00	4,760	4,360	13,957
584.00	11,860	8,310	22,267
585.00	13,280	12,570	34,837

Device	Routing	Invert	Outlet Devices
#1	Device 4	578.51'	**8.0" Round Culvert** L= 16.0' RCP, square edge headwall, Ke= 0.500 Inlet / Outlet Invert= 578.51' / 578.45' S= 0.0037 '/' Cc= 0.900 n= 0.012 Corrugated PP, smooth interior, Flow Area= 0.35 sf
#2	Device 4	583.00'	**36.0" W x 36.0" H Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#3	Device 4	584.00'	**36.0" W x 36.0" H Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#4	Primary	578.34'	**18.0" Round Culvert** L= 34.0' RCP, square edge headwall, Ke= 0.500 Inlet / Outlet Invert= 578.34' / 578.21' S= 0.0038 '/' Cc= 0.900 n= 0.012 Corrugated PP, smooth interior, Flow Area= 1.77 sf

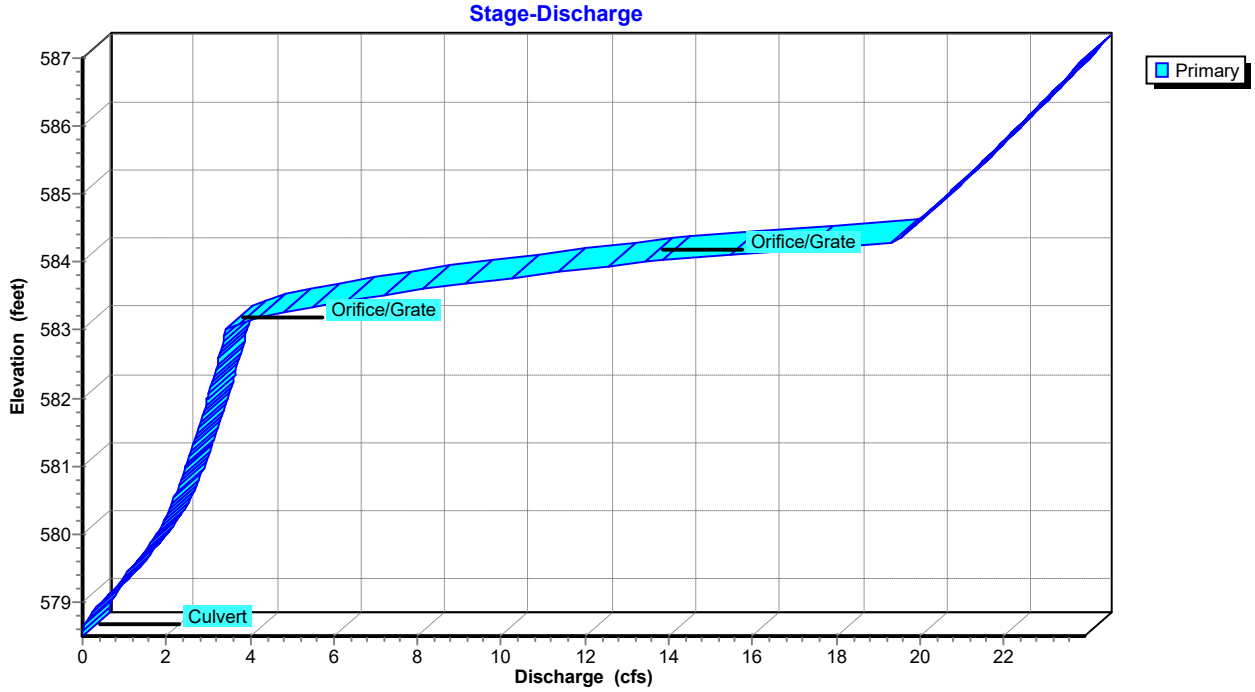
Primary OutFlow Max=3.25 cfs @ 12.88 hrs HW=582.58' (Free Discharge)
└**4=Culvert** (Passes 3.25 cfs of 15.90 cfs potential flow)
  └**1=Culvert** (Inlet Controls 3.25 cfs @ 9.31 fps)
  └**2=Orifice/Grate** (Controls 0.00 cfs)
  └**3=Orifice/Grate** (Controls 0.00 cfs)

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

Pond 3P: Pond

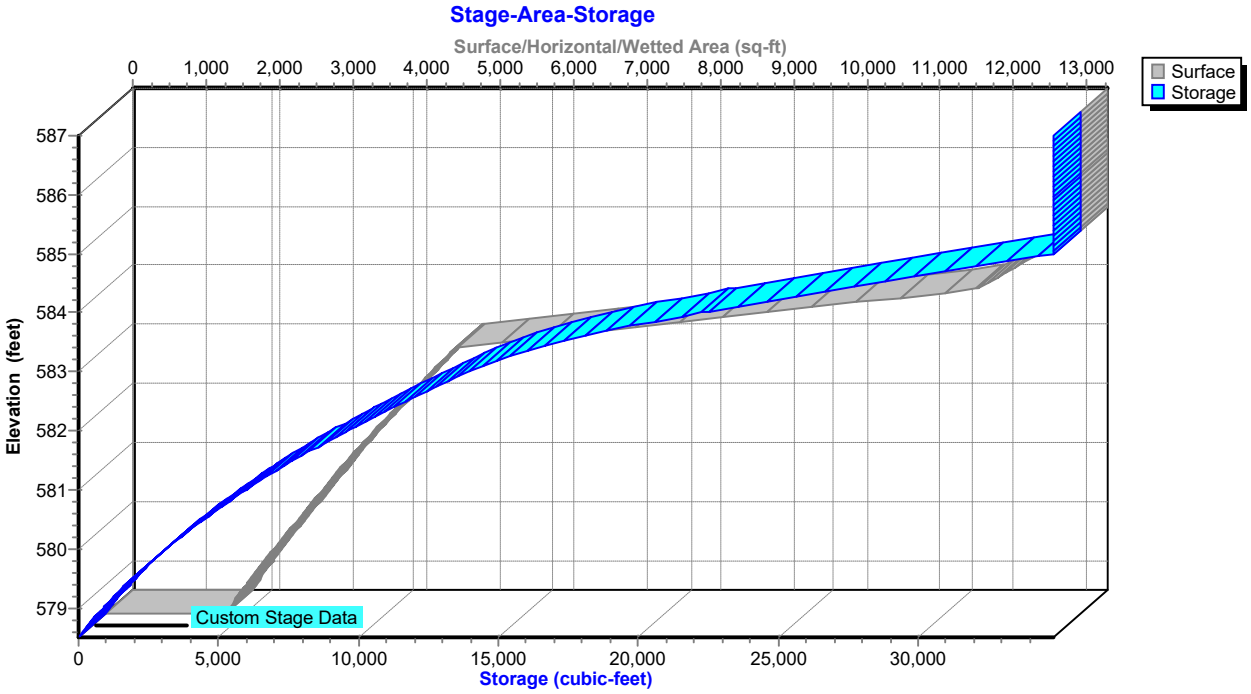


Pond 3P: Pond



Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

Pond 3P: Pond



Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

Hydrograph for Pond 3P: Pond

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
5.00	0.00	0	578.50	0.00
5.50	0.00	0	578.50	0.00
6.00	0.00	0	578.50	0.00
6.50	0.00	0	578.50	0.00
7.00	0.00	0	578.50	0.00
7.50	0.00	0	578.50	0.00
8.00	0.00	0	578.50	0.00
8.50	0.01	6	578.50	0.00
9.00	0.03	39	578.52	0.00
9.50	0.06	103	578.56	0.01
10.00	0.10	210	578.63	0.03
10.50	0.17	349	578.71	0.09
11.00	0.30	515	578.80	0.18
11.50	0.65	823	578.97	0.41
12.00	**2.24**	1,751	579.42	1.04
12.50	**7.78**	**9,263**	**581.91**	**2.95**
13.00	2.54	**11,884**	**582.55**	**3.23**
13.50	1.22	9,430	581.96	2.97
14.00	0.76	6,200	581.06	2.50
14.50	0.60	3,434	580.12	1.88
15.00	0.49	1,781	579.43	1.06
15.50	0.39	1,070	579.09	0.61
16.00	0.35	839	578.97	0.42
16.50	0.32	756	578.93	0.35
17.00	0.29	709	578.91	0.32
17.50	0.26	667	578.88	0.29
18.00	0.24	628	578.86	0.26
18.50	0.21	590	578.84	0.23
19.00	0.20	563	578.83	0.21
19.50	0.19	546	578.82	0.20
20.00	0.19	533	578.81	0.19
20.50	0.18	521	578.80	0.19
21.00	0.17	510	578.80	0.18
21.50	0.16	499	578.79	0.17
22.00	0.16	487	578.78	0.16
22.50	0.15	476	578.78	0.16
23.00	0.14	464	578.77	0.15
23.50	0.14	453	578.77	0.14
24.00	0.13	441	578.76	0.13

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

Stage-Discharge for Pond 3P: Pond

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
578.50	0.00	581.35	2.66	584.20	17.41
578.55	0.00	581.40	2.69	584.25	18.57
578.60	0.02	581.45	2.71	584.30	19.42
578.65	0.04	581.50	2.74	584.35	19.51
578.70	0.08	581.55	2.77	584.40	19.61
578.75	0.12	581.60	2.79	584.45	19.70
578.80	0.18	581.65	2.82	584.50	19.79
578.85	0.24	581.70	2.84	584.55	19.88
578.90	0.31	581.75	2.87	584.60	19.97
578.95	0.38	581.80	2.89	584.65	20.06
579.00	0.46	581.85	2.91	584.70	20.15
579.05	0.54	581.90	2.94	584.75	20.24
579.10	0.62	581.95	2.96	584.80	20.33
579.15	0.70	582.00	2.99	584.85	20.42
579.20	0.78	582.05	3.01	584.90	20.51
579.25	0.86	582.10	3.03	584.95	20.60
579.30	0.93	582.15	3.06	585.00	20.69
579.35	0.98	582.20	3.08	585.05	20.77
579.40	1.00	582.25	3.10	585.10	20.86
579.45	1.08	582.30	3.12	585.15	20.95
579.50	1.16	582.35	3.15	585.20	21.03
579.55	1.23	582.40	3.17	585.25	21.12
579.60	1.30	582.45	3.19	585.30	21.20
579.65	1.37	582.50	3.21	585.35	21.29
579.70	1.43	582.55	3.24	585.40	21.37
579.75	1.49	582.60	3.26	585.45	21.46
579.80	1.55	582.65	3.28	585.50	21.54
579.85	1.60	582.70	3.30	585.55	21.63
579.90	1.66	582.75	3.32	585.60	21.71
579.95	1.71	582.80	3.34	585.65	21.79
580.00	1.76	582.85	3.36	585.70	21.88
580.05	1.81	582.90	3.39	585.75	21.96
580.10	1.86	582.95	3.41	585.80	22.04
580.15	1.90	583.00	3.43	585.85	22.12
580.20	1.95	583.05	3.55	585.90	22.20
580.25	1.99	583.10	3.77	585.95	22.29
580.30	2.03	583.15	4.05	586.00	22.37
580.35	2.06	583.20	4.37	586.05	22.45
580.40	2.10	583.25	4.73	586.10	22.53
580.45	2.13	583.30	5.13	586.15	22.61
580.50	2.16	583.35	5.56	586.20	22.69
580.55	2.20	583.40	6.02	586.25	22.77
580.60	2.23	583.45	6.51	586.30	22.85
580.65	2.26	583.50	7.03	586.35	22.93
580.70	2.29	583.55	7.57	586.40	23.01
580.75	2.32	583.60	8.14	586.45	23.08
580.80	2.35	583.65	8.73	586.50	23.16
580.85	2.38	583.70	9.34	586.55	23.24
580.90	2.41	583.75	9.98	586.60	23.32
580.95	2.44	583.80	10.63	586.65	23.40
581.00	2.47	583.85	11.31	586.70	23.47
581.05	2.50	583.90	12.00	586.75	23.55
581.10	2.52	583.95	12.71	586.80	23.63
581.15	2.55	584.00	13.45	586.85	23.70
581.20	2.58	584.05	14.30	586.90	23.78
581.25	2.61	584.10	15.27	586.95	23.85
581.30	2.63	584.15	16.31	587.00	**23.93**

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

Stage-Area-Storage for Pond 3P: Pond

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
578.50	1,628	0
578.60	1,686	166
578.70	1,745	337
578.80	1,803	515
578.90	1,862	698
579.00	1,920	887
579.10	1,983	1,082
579.20	2,046	1,284
579.30	2,109	1,491
579.40	2,172	1,705
579.50	2,235	1,926
579.60	2,298	2,152
579.70	2,361	2,385
579.80	2,424	2,625
579.90	2,487	2,870
580.00	2,550	3,122
580.10	2,617	3,380
580.20	2,684	3,645
580.30	2,751	3,917
580.40	2,818	4,196
580.50	2,885	4,481
580.60	2,952	4,773
580.70	3,019	5,071
580.80	3,086	5,376
580.90	3,153	5,688
581.00	3,220	6,007
581.10	3,294	6,333
581.20	3,368	6,666
581.30	3,442	7,006
581.40	3,516	7,354
581.50	3,590	7,710
581.60	3,664	8,072
581.70	3,738	8,442
581.80	3,812	8,820
581.90	3,886	9,205
582.00	3,960	9,597
582.10	4,040	9,997
582.20	4,120	10,405
582.30	4,200	10,821
582.40	4,280	11,245
582.50	4,360	11,677
582.60	4,440	12,117
582.70	4,520	12,565
582.80	4,600	13,021
582.90	4,680	13,485
583.00	4,760	13,957
583.10	5,470	14,469
583.20	6,180	15,051
583.30	6,890	15,704
583.40	7,600	16,429
583.50	8,310	17,225
583.60	9,020	18,091
583.70	9,730	19,029
583.80	10,440	20,037
583.90	11,150	21,116
584.00	11,860	22,267
584.10	12,002	23,460
584.20	12,144	24,667
584.30	12,286	25,889
584.40	12,428	27,125
584.50	12,570	28,375
584.60	12,712	29,639
584.70	12,854	30,917
584.80	12,996	32,209
584.90	13,138	33,516
585.00	**13,280**	**34,837**
585.10	13,280	34,837
585.20	13,280	34,837
585.30	13,280	34,837
585.40	13,280	34,837
585.50	13,280	34,837
585.60	13,280	34,837
585.70	13,280	34,837
585.80	13,280	34,837
585.90	13,280	34,837
586.00	13,280	34,837
586.10	13,280	34,837
586.20	13,280	34,837
586.30	13,280	34,837
586.40	13,280	34,837
586.50	13,280	34,837
586.60	13,280	34,837
586.70	13,280	34,837
586.80	13,280	34,837
586.90	13,280	34,837
587.00	13,280	34,837

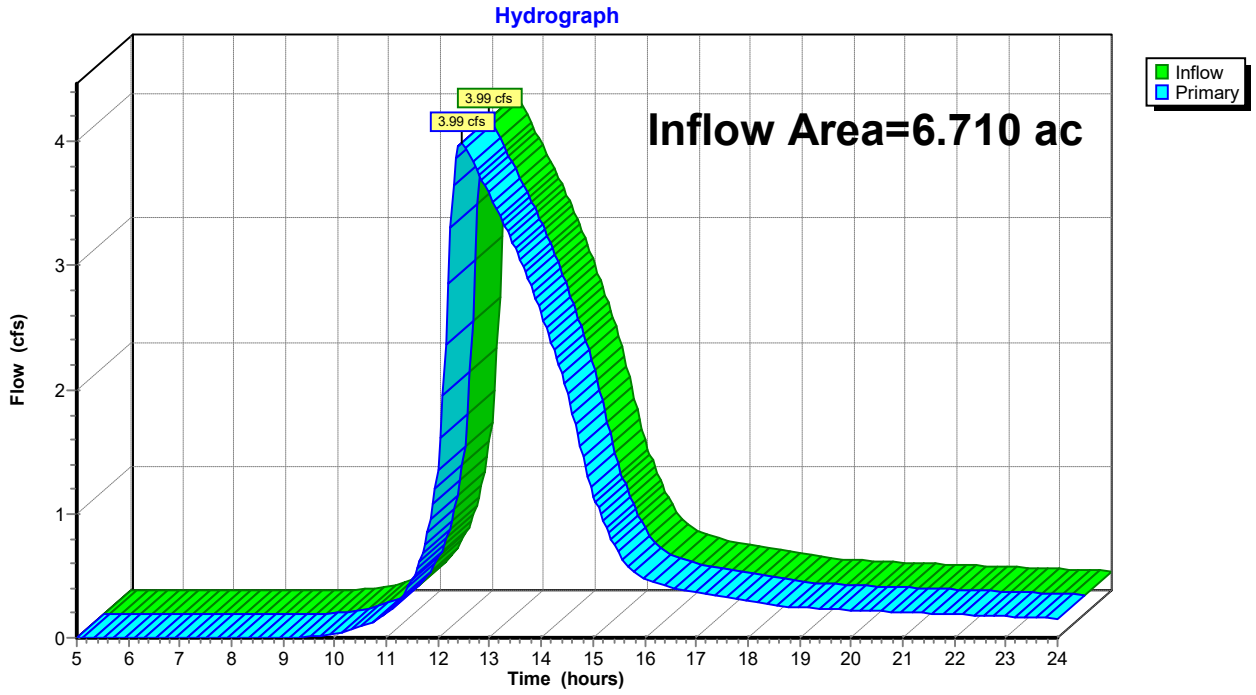
Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

Summary for Link 12L: POST DEV

Inflow Area = 6.710 ac, 32.97% Impervious, Inflow Depth > 1.75" for 10-Year event
Inflow = 3.99 cfs @ 12.45 hrs, Volume= 0.980 af
Primary = 3.99 cfs @ 12.45 hrs, Volume= 0.980 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 5.00-24.00 hrs, dt= 0.05 hrs

Link 12L: POST DEV



Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

Hydrograph for Link 12L: POST DEV

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
5.00	0.00	**0.00**	0.00	19.25	0.24	0.00	0.24
5.25	0.00	0.00	0.00	19.50	0.23	0.00	0.23
5.50	0.00	0.00	0.00	19.75	0.23	0.00	0.23
5.75	0.00	0.00	0.00	20.00	0.22	0.00	0.22
6.00	0.00	0.00	0.00	20.25	0.22	0.00	0.22
6.25	0.00	0.00	0.00	20.50	0.22	0.00	0.22
6.50	0.00	0.00	0.00	20.75	0.21	0.00	0.21
6.75	0.00	0.00	0.00	21.00	0.21	0.00	0.21
7.00	0.00	0.00	0.00	21.25	0.20	0.00	0.20
7.25	0.00	0.00	0.00	21.50	0.20	0.00	0.20
7.50	0.00	0.00	0.00	21.75	0.19	0.00	0.19
7.75	0.00	0.00	0.00	22.00	0.19	0.00	0.19
8.00	0.00	0.00	0.00	22.25	0.19	0.00	0.19
8.25	0.00	0.00	0.00	22.50	0.18	0.00	0.18
8.50	0.00	0.00	0.00	22.75	0.18	0.00	0.18
8.75	0.00	0.00	0.00	23.00	0.17	0.00	0.17
9.00	0.00	0.00	0.00	23.25	0.17	0.00	0.17
9.25	0.00	0.00	0.00	23.50	0.16	0.00	0.16
9.50	0.01	0.00	0.01	23.75	0.16	0.00	0.16
9.75	0.02	0.00	0.02	24.00	0.16	0.00	0.16
10.00	0.03	0.00	0.03				
10.25	0.05	0.00	0.05				
10.50	0.09	0.00	0.09				
10.75	0.13	0.00	0.13				
11.00	0.20	0.00	0.20				
11.25	0.30	0.00	0.30				
11.50	0.46	0.00	0.46				
11.75	0.76	0.00	0.76				
12.00	1.36	0.00	1.36				
12.25	**3.31**	0.00	**3.31**				
12.50	**3.97**	0.00	**3.97**				
12.75	3.78	0.00	3.78				
13.00	3.57	0.00	3.57				
13.25	3.37	0.00	3.37				
13.50	3.14	0.00	3.14				
13.75	2.89	0.00	2.89				
14.00	2.62	0.00	2.62				
14.25	2.32	0.00	2.32				
14.50	1.97	0.00	1.97				
14.75	1.55	0.00	1.55				
15.00	1.13	0.00	1.13				
15.25	0.89	0.00	0.89				
15.50	0.67	0.00	0.67				
15.75	0.55	0.00	0.55				
16.00	0.48	0.00	0.48				
16.25	0.43	0.00	0.43				
16.50	0.41	0.00	0.41				
16.75	0.38	0.00	0.38				
17.00	0.37	0.00	0.37				
17.25	0.35	0.00	0.35				
17.50	0.33	0.00	0.33				
17.75	0.31	0.00	0.31				
18.00	0.30	0.00	0.30				
18.25	0.28	0.00	0.28				
18.50	0.26	0.00	0.26				
18.75	0.25	0.00	0.25				
19.00	0.25	0.00	0.25				

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

Time span=5.00-24.00 hrs, dt=0.05 hrs, 381 points
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN
Reach routing by Stor-Ind+Trans method - Pond routing by Stor-Ind method

Subcatchment 2S: DA POST DEV - Runoff Area=5.610 ac 39.44% Impervious Runoff Depth>2.48"
Flow Length=860' Tc=27.1 min CN=87 Runoff=11.67 cfs 1.159 af

Subcatchment 11S: DA Post - DEV Runoff Area=1.100 ac 0.00% Impervious Runoff Depth>1.90"
Flow Length=370' Slope=0.0100 '/' Tc=22.0 min CN=80 Runoff=1.95 cfs 0.174 af

Pond 3P: Pond Peak Elev=583.35' Storage=16,041 cf Inflow=11.67 cfs 1.159 af
Outflow=5.54 cfs 1.147 af

Link 12L: POST DEV Inflow=6.29 cfs 1.322 af
Primary=6.29 cfs 1.322 af

Total Runoff Area = 6.710 ac Runoff Volume = 1.333 af Average Runoff Depth = 2.38"
67.03% Pervious = 4.497 ac 32.97% Impervious = 2.213 ac

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

Summary for Subcatchment 2S: DA POST DEV - CONTROLLED

[47] Hint: Peak is 518% of capacity of segment #3

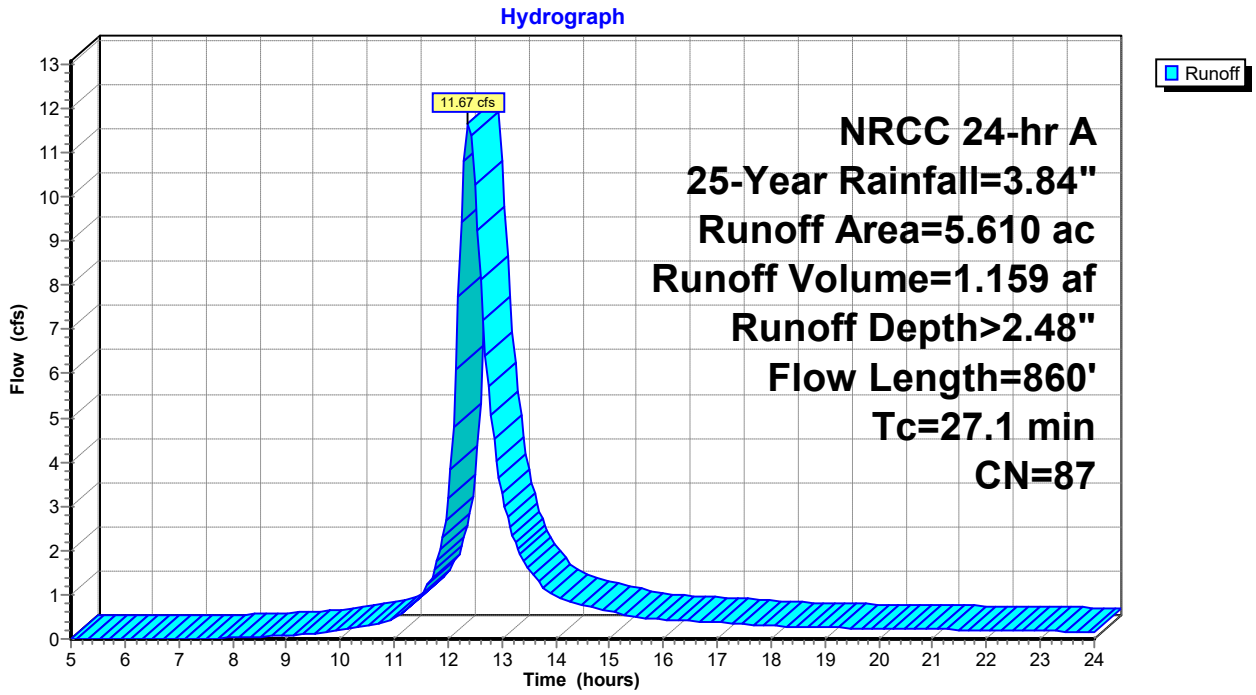
Runoff = 11.67 cfs @ 12.38 hrs, Volume= 1.159 af, Depth> 2.48"
Routed to Pond 3P : Pond

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-24.00 hrs, dt= 0.05 hrs
NRCC 24-hr A 25-Year Rainfall=3.84"

Area (ac)	CN	Description
0.970	98	Paved parking, HSG D
3.270	87	1/4 acre lots, 38% imp, HSG D
1.370	80	>75% Grass cover, Good, HSG D
5.610	87	Weighted Average
3.397		60.56% Pervious Area
2.213		39.44% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
22.7	100	0.0100	0.07		**Sheet Flow, SF** Grass: Dense n= 0.240 P2= 2.20"
0.1	20	0.0200	2.28		**Shallow Concentrated Flow,** Unpaved Kv= 16.1 fps
4.3	740	0.0040	2.87	2.25	**Pipe Channel,** 12.0" Round Area= 0.8 sf Perim= 3.1' r= 0.25' n= 0.013 Concrete pipe, straight & clean
27.1	860	Total			

Subcatchment 2S: DA POST DEV - CONTROLLED



Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

Hydrograph for Subcatchment 2S: DA POST DEV - CONTROLLED

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.00	0.20	0.00	0.00
5.25	0.21	0.00	0.00
5.50	0.22	0.00	0.00
5.75	0.23	0.00	0.00
6.00	0.25	0.00	0.00
6.25	0.26	0.00	0.00
6.50	0.27	0.00	0.00
6.75	0.29	0.00	0.00
7.00	0.31	0.00	0.00
7.25	0.32	0.00	0.00
7.50	0.34	0.00	0.01
7.75	0.36	0.00	0.02
8.00	0.38	0.00	0.03
8.25	0.40	0.01	0.04
8.50	0.42	0.01	0.05
8.75	0.45	0.01	0.06
9.00	0.47	0.02	0.08
9.25	0.50	0.02	0.10
9.50	0.53	0.03	0.12
9.75	0.56	0.04	0.15
10.00	0.60	0.05	0.19
10.25	0.64	0.06	0.24
10.50	0.68	0.08	0.29
10.75	0.74	0.10	0.36
11.00	0.81	0.13	0.48
11.25	0.91	0.18	0.67
11.50	1.03	0.24	0.99
11.75	1.26	0.38	1.57
12.00	1.81	0.76	3.17
12.25	2.58	1.38	**9.42**
12.50	2.81	1.57	**10.28**
12.75	2.93	1.68	5.70
13.00	3.03	1.76	3.29
13.25	3.10	1.83	2.18
13.50	3.16	1.88	1.57
13.75	3.20	1.92	1.20
14.00	3.24	1.95	0.97
14.25	3.28	1.99	0.85
14.50	3.31	2.02	0.77
14.75	3.34	2.04	0.69
15.00	3.37	2.07	0.62
15.25	3.39	2.09	0.55
15.50	3.42	2.11	0.50
15.75	3.44	2.13	0.47
16.00	3.46	2.15	0.45
16.25	3.48	2.16	0.43
16.50	3.50	2.18	0.41
16.75	3.52	2.20	0.39
17.00	3.53	2.21	0.37
17.25	3.55	2.23	0.35
17.50	3.57	2.24	0.34
17.75	3.58	2.25	0.32
18.00	3.59	2.27	0.30
18.25	3.61	2.28	0.28
18.50	3.62	2.29	0.27
18.75	3.63	2.30	0.26
19.00	3.64	2.31	0.25
19.25	3.66	2.32	0.25
19.50	3.67	2.33	0.25
19.75	3.68	2.34	0.24
20.00	3.69	2.35	0.24
20.25	3.70	2.36	0.23
20.50	3.71	2.37	0.23
20.75	3.72	2.38	0.22
21.00	3.73	2.39	0.22
21.25	3.74	2.40	0.21
21.50	3.75	2.41	0.21
21.75	3.76	2.42	0.20
22.00	3.77	2.43	0.20
22.25	3.78	2.44	0.19
22.50	3.79	2.45	0.19
22.75	3.80	2.45	0.19
23.00	3.81	2.46	0.18
23.25	3.82	2.47	0.18
23.50	3.82	2.48	0.17
23.75	3.83	2.48	0.17
24.00	**3.84**	**2.49**	0.16

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

Summary for Subcatchment 11S: DA Post - DEV Uncontrolled

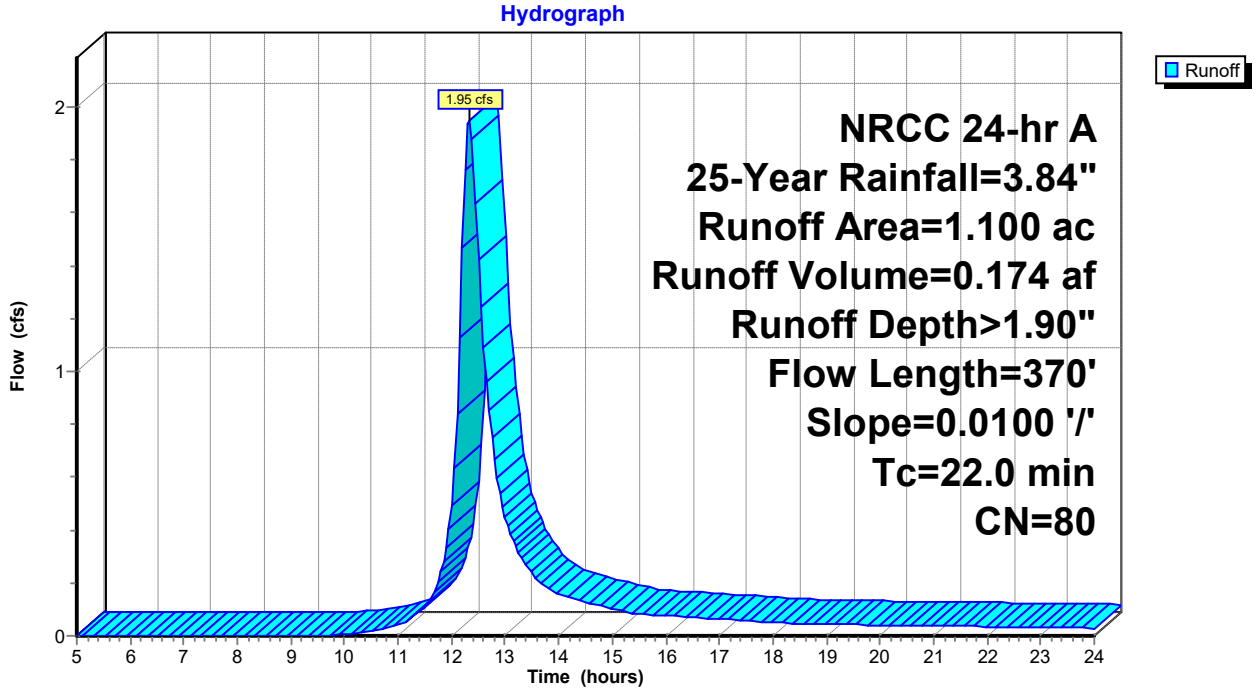
Runoff = 1.95 cfs @ 12.33 hrs, Volume= 0.174 af, Depth> 1.90"
Routed to Link 12L : POST DEV

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-24.00 hrs, dt= 0.05 hrs
NRCC 24-hr A 25-Year Rainfall=3.84"

Area (ac)	CN	Description
1.100	80	>75% Grass cover, Good, HSG D
1.100		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
15.6	100	0.0100	0.11		**Sheet Flow, SF** Grass: Short n= 0.150 P2= 2.20"
6.4	270	0.0100	0.70		**Shallow Concentrated Flow, SCF** Short Grass Pasture Kv= 7.0 fps
22.0	370	Total			

Subcatchment 11S: DA Post - DEV Uncontrolled



Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

Hydrograph for Subcatchment 11S: DA Post - DEV Uncontrolled

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.00	0.20	0.00	0.00
5.25	0.21	0.00	0.00
5.50	0.22	0.00	0.00
5.75	0.23	0.00	0.00
6.00	0.25	0.00	0.00
6.25	0.26	0.00	0.00
6.50	0.27	0.00	0.00
6.75	0.29	0.00	0.00
7.00	0.31	0.00	0.00
7.25	0.32	0.00	0.00
7.50	0.34	0.00	0.00
7.75	0.36	0.00	0.00
8.00	0.38	0.00	0.00
8.25	0.40	0.00	0.00
8.50	0.42	0.00	0.00
8.75	0.45	0.00	0.00
9.00	0.47	0.00	0.00
9.25	0.50	0.00	0.00
9.50	0.53	0.00	0.00
9.75	0.56	0.00	0.00
10.00	0.60	0.00	0.01
10.25	0.64	0.01	0.01
10.50	0.68	0.01	0.02
10.75	0.74	0.02	0.03
11.00	0.81	0.03	0.04
11.25	0.91	0.06	0.07
11.50	1.03	0.09	0.11
11.75	1.26	0.18	0.21
12.00	1.81	0.45	0.50
12.25	2.58	0.94	**1.76**
12.50	2.81	1.11	**1.42**
12.75	2.93	1.20	0.75
13.00	3.03	1.27	0.45
13.25	3.10	1.33	0.31
13.50	3.16	1.37	0.24
13.75	3.20	1.40	0.19
14.00	3.24	1.43	0.16
14.25	3.28	1.46	0.14
14.50	3.31	1.49	0.13
14.75	3.34	1.51	0.12
15.00	3.37	1.53	0.10
15.25	3.39	1.55	0.09
15.50	3.42	1.57	0.08
15.75	3.44	1.59	0.08
16.00	3.46	1.60	0.08
16.25	3.48	1.62	0.07
16.50	3.50	1.64	0.07
16.75	3.52	1.65	0.07
17.00	3.53	1.66	0.06
17.25	3.55	1.68	0.06
17.50	3.57	1.69	0.06
17.75	3.58	1.70	0.05
18.00	3.59	1.71	0.05
18.25	3.61	1.72	0.05
18.50	3.62	1.73	0.05
18.75	3.63	1.74	0.04
19.00	3.64	1.75	0.04
19.25	3.66	1.76	0.04
19.50	3.67	1.77	0.04
19.75	3.68	1.78	0.04
20.00	3.69	1.79	0.04
20.25	3.70	1.80	0.04
20.50	3.71	1.81	0.04
20.75	3.72	1.82	0.04
21.00	3.73	1.82	0.04
21.25	3.74	1.83	0.04
21.50	3.75	1.84	0.04
21.75	3.76	1.85	0.04
22.00	3.77	1.86	0.03
22.25	3.78	1.86	0.03
22.50	3.79	1.87	0.03
22.75	3.80	1.88	0.03
23.00	3.81	1.88	0.03
23.25	3.82	1.89	0.03
23.50	3.82	1.90	0.03
23.75	3.83	1.90	0.03
24.00	**3.84**	**1.91**	0.03

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

Summary for Pond 3P: Pond

Inflow Area = 5.610 ac, 39.44% Impervious, Inflow Depth > 2.48" for 25-Year event
Inflow = 11.67 cfs @ 12.38 hrs, Volume= 1.159 af
Outflow = 5.54 cfs @ 12.77 hrs, Volume= 1.147 af, Atten= 53%, Lag= 23.1 min
Primary = 5.54 cfs @ 12.77 hrs, Volume= 1.147 af
Routed to Link 12L : POST DEV

Routing by Stor-Ind method, Time Span= 5.00-24.00 hrs, dt= 0.05 hrs
Peak Elev= 583.35' @ 12.77 hrs Surf.Area= 7,228 sf Storage= 16,041 cf

Plug-Flow detention time= 46.4 min calculated for 1.147 af (99% of inflow)
Center-of-Mass det. time= 40.6 min (860.3 - 819.7)

Volume	Invert	Avail.Storage	Storage Description
#1	578.50'	34,837 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
578.50	1,628	0	0
579.00	1,920	887	887
580.00	2,550	2,235	3,122
581.00	3,220	2,885	6,007
582.00	3,960	3,590	9,597
583.00	4,760	4,360	13,957
584.00	11,860	8,310	22,267
585.00	13,280	12,570	34,837

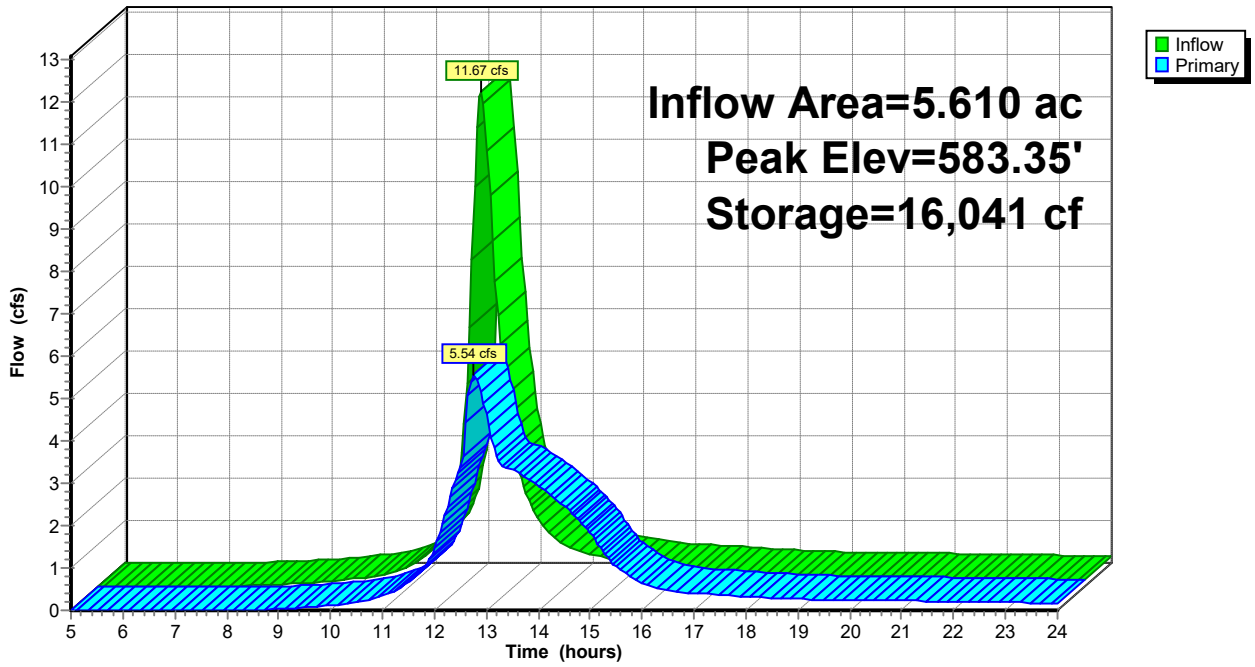
Device	Routing	Invert	Outlet Devices
#1	Device 4	578.51'	**8.0" Round Culvert** L= 16.0' RCP, square edge headwall, Ke= 0.500 Inlet / Outlet Invert= 578.51' / 578.45' S= 0.0037 '/' Cc= 0.900 n= 0.012 Corrugated PP, smooth interior, Flow Area= 0.35 sf
#2	Device 4	583.00'	**36.0" W x 36.0" H Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#3	Device 4	584.00'	**36.0" W x 36.0" H Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#4	Primary	578.34'	**18.0" Round Culvert** L= 34.0' RCP, square edge headwall, Ke= 0.500 Inlet / Outlet Invert= 578.34' / 578.21' S= 0.0038 '/' Cc= 0.900 n= 0.012 Corrugated PP, smooth interior, Flow Area= 1.77 sf

Primary OutFlow Max=5.52 cfs @ 12.77 hrs HW=583.35' (Free Discharge)
└**4=Culvert** (Passes 5.52 cfs of 17.55 cfs potential flow)
  ├**1=Culvert** (Inlet Controls 3.57 cfs @ 10.22 fps)
  ├**2=Orifice/Grate** (Orifice Controls 1.96 cfs @ 1.89 fps)
  └**3=Orifice/Grate** (Controls 0.00 cfs)

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

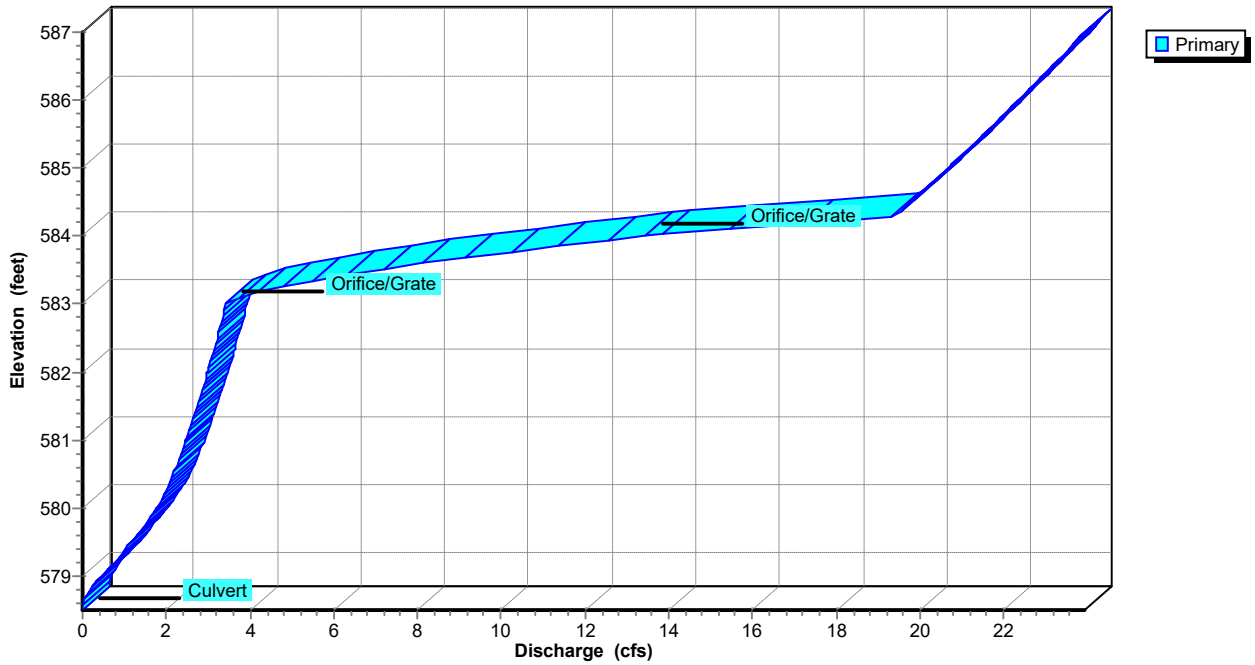
Pond 3P: Pond

Hydrograph



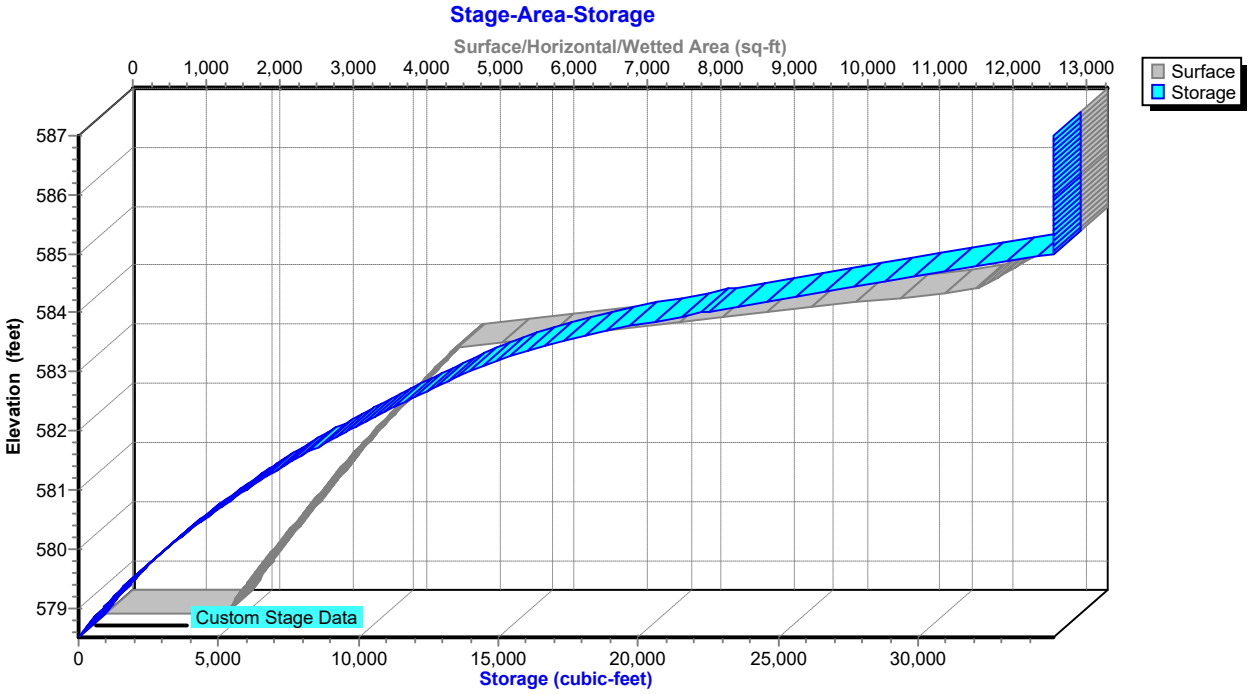
Pond 3P: Pond

Stage-Discharge



Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

Pond 3P: Pond



Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

Hydrograph for Pond 3P: Pond

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
5.00	0.00	0	578.50	0.00
5.50	0.00	0	578.50	0.00
6.00	0.00	0	578.50	0.00
6.50	0.00	0	578.50	0.00
7.00	0.00	0	578.50	0.00
7.50	0.01	4	578.50	0.00
8.00	0.03	33	578.52	0.00
8.50	0.05	95	578.56	0.01
9.00	0.08	187	578.61	0.03
9.50	0.12	288	578.67	0.06
10.00	0.19	411	578.74	0.12
10.50	0.29	556	578.82	0.21
11.00	0.48	739	578.92	0.34
11.50	0.99	1,132	579.12	0.66
12.00	**3.17**	2,485	579.74	1.48
12.50	**10.28**	**13,162**	**582.83**	**3.36**
13.00	3.29	**15,270**	**583.23**	**4.62**
13.50	1.57	12,698	582.73	3.31
14.00	0.97	9,243	581.91	2.94
14.50	0.77	5,916	580.97	2.45
15.00	0.62	3,283	580.06	1.82
15.50	0.50	1,729	579.41	1.04
16.00	0.45	1,094	579.11	0.63
16.50	0.41	901	579.01	0.47
17.00	0.37	822	578.97	0.41
17.50	0.34	769	578.94	0.36
18.00	0.30	721	578.91	0.33
18.50	0.27	673	578.89	0.29
19.00	0.25	641	578.87	0.27
19.50	0.25	623	578.86	0.25
20.00	0.24	609	578.85	0.24
20.50	0.23	596	578.84	0.23
21.00	0.22	584	578.84	0.22
21.50	0.21	570	578.83	0.22
22.00	0.20	556	578.82	0.21
22.50	0.19	541	578.81	0.20
23.00	0.18	527	578.81	0.19
23.50	0.17	512	578.80	0.18
24.00	0.16	497	578.79	0.17

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

Stage-Discharge for Pond 3P: Pond

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
578.50	0.00	581.35	2.66	584.20	17.41
578.55	0.00	581.40	2.69	584.25	18.57
578.60	0.02	581.45	2.71	584.30	19.42
578.65	0.04	581.50	2.74	584.35	19.51
578.70	0.08	581.55	2.77	584.40	19.61
578.75	0.12	581.60	2.79	584.45	19.70
578.80	0.18	581.65	2.82	584.50	19.79
578.85	0.24	581.70	2.84	584.55	19.88
578.90	0.31	581.75	2.87	584.60	19.97
578.95	0.38	581.80	2.89	584.65	20.06
579.00	0.46	581.85	2.91	584.70	20.15
579.05	0.54	581.90	2.94	584.75	20.24
579.10	0.62	581.95	2.96	584.80	20.33
579.15	0.70	582.00	2.99	584.85	20.42
579.20	0.78	582.05	3.01	584.90	20.51
579.25	0.86	582.10	3.03	584.95	20.60
579.30	0.93	582.15	3.06	585.00	20.69
579.35	0.98	582.20	3.08	585.05	20.77
579.40	1.00	582.25	3.10	585.10	20.86
579.45	1.08	582.30	3.12	585.15	20.95
579.50	1.16	582.35	3.15	585.20	21.03
579.55	1.23	582.40	3.17	585.25	21.12
579.60	1.30	582.45	3.19	585.30	21.20
579.65	1.37	582.50	3.21	585.35	21.29
579.70	1.43	582.55	3.24	585.40	21.37
579.75	1.49	582.60	3.26	585.45	21.46
579.80	1.55	582.65	3.28	585.50	21.54
579.85	1.60	582.70	3.30	585.55	21.63
579.90	1.66	582.75	3.32	585.60	21.71
579.95	1.71	582.80	3.34	585.65	21.79
580.00	1.76	582.85	3.36	585.70	21.88
580.05	1.81	582.90	3.39	585.75	21.96
580.10	1.86	582.95	3.41	585.80	22.04
580.15	1.90	583.00	3.43	585.85	22.12
580.20	1.95	583.05	3.55	585.90	22.20
580.25	1.99	583.10	3.77	585.95	22.29
580.30	2.03	583.15	4.05	586.00	22.37
580.35	2.06	583.20	4.37	586.05	22.45
580.40	2.10	583.25	4.73	586.10	22.53
580.45	2.13	583.30	5.13	586.15	22.61
580.50	2.16	583.35	5.56	586.20	22.69
580.55	2.20	583.40	6.02	586.25	22.77
580.60	2.23	583.45	6.51	586.30	22.85
580.65	2.26	583.50	7.03	586.35	22.93
580.70	2.29	583.55	7.57	586.40	23.01
580.75	2.32	583.60	8.14	586.45	23.08
580.80	2.35	583.65	8.73	586.50	23.16
580.85	2.38	583.70	9.34	586.55	23.24
580.90	2.41	583.75	9.98	586.60	23.32
580.95	2.44	583.80	10.63	586.65	23.40
581.00	2.47	583.85	11.31	586.70	23.47
581.05	2.50	583.90	12.00	586.75	23.55
581.10	2.52	583.95	12.71	586.80	23.63
581.15	2.55	584.00	13.45	586.85	23.70
581.20	2.58	584.05	14.30	586.90	23.78
581.25	2.61	584.10	15.27	586.95	23.85
581.30	2.63	584.15	16.31	587.00	**23.93**

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

Stage-Area-Storage for Pond 3P: Pond

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
578.50	1,628	0
578.60	1,686	166
578.70	1,745	337
578.80	1,803	515
578.90	1,862	698
579.00	1,920	887
579.10	1,983	1,082
579.20	2,046	1,284
579.30	2,109	1,491
579.40	2,172	1,705
579.50	2,235	1,926
579.60	2,298	2,152
579.70	2,361	2,385
579.80	2,424	2,625
579.90	2,487	2,870
580.00	2,550	3,122
580.10	2,617	3,380
580.20	2,684	3,645
580.30	2,751	3,917
580.40	2,818	4,196
580.50	2,885	4,481
580.60	2,952	4,773
580.70	3,019	5,071
580.80	3,086	5,376
580.90	3,153	5,688
581.00	3,220	6,007
581.10	3,294	6,333
581.20	3,368	6,666
581.30	3,442	7,006
581.40	3,516	7,354
581.50	3,590	7,710
581.60	3,664	8,072
581.70	3,738	8,442
581.80	3,812	8,820
581.90	3,886	9,205
582.00	3,960	9,597
582.10	4,040	9,997
582.20	4,120	10,405
582.30	4,200	10,821
582.40	4,280	11,245
582.50	4,360	11,677
582.60	4,440	12,117
582.70	4,520	12,565
582.80	4,600	13,021
582.90	4,680	13,485
583.00	4,760	13,957
583.10	5,470	14,469
583.20	6,180	15,051
583.30	6,890	15,704
583.40	7,600	16,429
583.50	8,310	17,225
583.60	9,020	18,091
583.70	9,730	19,029
583.80	10,440	20,037
583.90	11,150	21,116
584.00	11,860	22,267
584.10	12,002	23,460
584.20	12,144	24,667
584.30	12,286	25,889
584.40	12,428	27,125
584.50	12,570	28,375
584.60	12,712	29,639
584.70	12,854	30,917
584.80	12,996	32,209
584.90	13,138	33,516
585.00	**13,280**	**34,837**
585.10	13,280	34,837
585.20	13,280	34,837
585.30	13,280	34,837
585.40	13,280	34,837
585.50	13,280	34,837
585.60	13,280	34,837
585.70	13,280	34,837
585.80	13,280	34,837
585.90	13,280	34,837
586.00	13,280	34,837
586.10	13,280	34,837
586.20	13,280	34,837
586.30	13,280	34,837
586.40	13,280	34,837
586.50	13,280	34,837
586.60	13,280	34,837
586.70	13,280	34,837
586.80	13,280	34,837
586.90	13,280	34,837
587.00	13,280	34,837

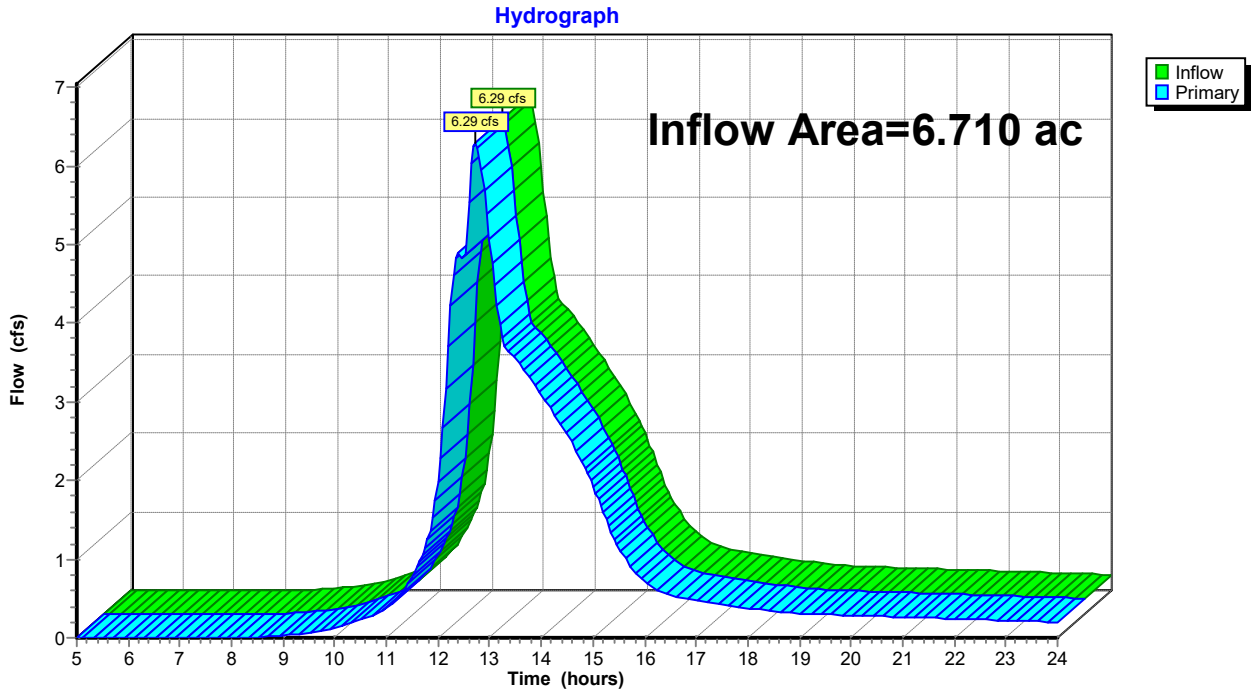
Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

Summary for Link 12L: POST DEV

Inflow Area = 6.710 ac, 32.97% Impervious, Inflow Depth > 2.36" for 25-Year event
Inflow = 6.29 cfs @ 12.73 hrs, Volume= 1.322 af
Primary = 6.29 cfs @ 12.73 hrs, Volume= 1.322 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 5.00-24.00 hrs, dt= 0.05 hrs

Link 12L: POST DEV



Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

Hydrograph for Link 12L: POST DEV

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
5.00	0.00	**0.00**	0.00	19.25	0.30	0.00	0.30
5.25	0.00	0.00	0.00	19.50	0.30	0.00	0.30
5.50	0.00	0.00	0.00	19.75	0.29	0.00	0.29
5.75	0.00	0.00	0.00	20.00	0.28	0.00	0.28
6.00	0.00	0.00	0.00	20.25	0.28	0.00	0.28
6.25	0.00	0.00	0.00	20.50	0.27	0.00	0.27
6.50	0.00	0.00	0.00	20.75	0.27	0.00	0.27
6.75	0.00	0.00	0.00	21.00	0.26	0.00	0.26
7.00	0.00	0.00	0.00	21.25	0.26	0.00	0.26
7.25	0.00	0.00	0.00	21.50	0.25	0.00	0.25
7.50	0.00	0.00	0.00	21.75	0.25	0.00	0.25
7.75	0.00	0.00	0.00	22.00	0.24	0.00	0.24
8.00	0.00	0.00	0.00	22.25	0.24	0.00	0.24
8.25	0.00	0.00	0.00	22.50	0.23	0.00	0.23
8.50	0.01	0.00	0.01	22.75	0.23	0.00	0.23
8.75	0.01	0.00	0.01	23.00	0.22	0.00	0.22
9.00	0.03	0.00	0.03	23.25	0.21	0.00	0.21
9.25	0.04	0.00	0.04	23.50	0.21	0.00	0.21
9.50	0.06	0.00	0.06	23.75	0.20	0.00	0.20
9.75	0.09	0.00	0.09	24.00	0.20	0.00	0.20
10.00	0.12	0.00	0.12				
10.25	0.17	0.00	0.17				
10.50	0.22	0.00	0.22				
10.75	0.29	0.00	0.29				
11.00	0.38	0.00	0.38				
11.25	0.53	0.00	0.53				
11.50	0.77	0.00	0.77				
11.75	1.15	0.00	1.15				
12.00	1.98	0.00	1.98				
12.25	4.22	0.00	4.22				
12.50	4.78	0.00	4.78				
12.75	**6.29**	0.00	**6.29**				
13.00	5.07	0.00	5.07				
13.25	3.81	0.00	3.81				
13.50	3.55	0.00	3.55				
13.75	3.33	0.00	3.33				
14.00	3.10	0.00	3.10				
14.25	2.85	0.00	2.85				
14.50	2.58	0.00	2.58				
14.75	2.28	0.00	2.28				
15.00	1.92	0.00	1.92				
15.25	1.50	0.00	1.50				
15.50	1.12	0.00	1.12				
15.75	0.89	0.00	0.89				
16.00	0.71	0.00	0.71				
16.25	0.60	0.00	0.60				
16.50	0.54	0.00	0.54				
16.75	0.50	0.00	0.50				
17.00	0.47	0.00	0.47				
17.25	0.44	0.00	0.44				
17.50	0.42	0.00	0.42				
17.75	0.40	0.00	0.40				
18.00	0.38	0.00	0.38				
18.25	0.36	0.00	0.36				
18.50	0.34	0.00	0.34				
18.75	0.32	0.00	0.32				
19.00	0.31	0.00	0.31				

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

Time span=5.00-24.00 hrs, dt=0.05 hrs, 381 points
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN
Reach routing by Stor-Ind+Trans method - Pond routing by Stor-Ind method

Subcatchment 2S: DA POST DEV - Runoff Area=5.610 ac 39.44% Impervious Runoff Depth>3.77"
Flow Length=860' Tc=27.1 min CN=87 Runoff=17.52 cfs 1.761 af

Subcatchment 11S: DA Post - DEV Runoff Area=1.100 ac 0.00% Impervious Runoff Depth>3.08"
Flow Length=370' Slope=0.0100 '/' Tc=22.0 min CN=80 Runoff=3.17 cfs 0.283 af

Pond 3P: Pond Peak Elev=583.86' Storage=20,698 cf Inflow=17.52 cfs 1.761 af
Outflow=11.47 cfs 1.748 af

Link 12L: POST DEV Inflow=13.15 cfs 2.030 af
Primary=13.15 cfs 2.030 af

Total Runoff Area = 6.710 ac Runoff Volume = 2.044 af Average Runoff Depth = 3.66"
67.03% Pervious = 4.497 ac 32.97% Impervious = 2.213 ac

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

Summary for Subcatchment 2S: DA POST DEV - CONTROLLED

[47] Hint: Peak is 777% of capacity of segment #3

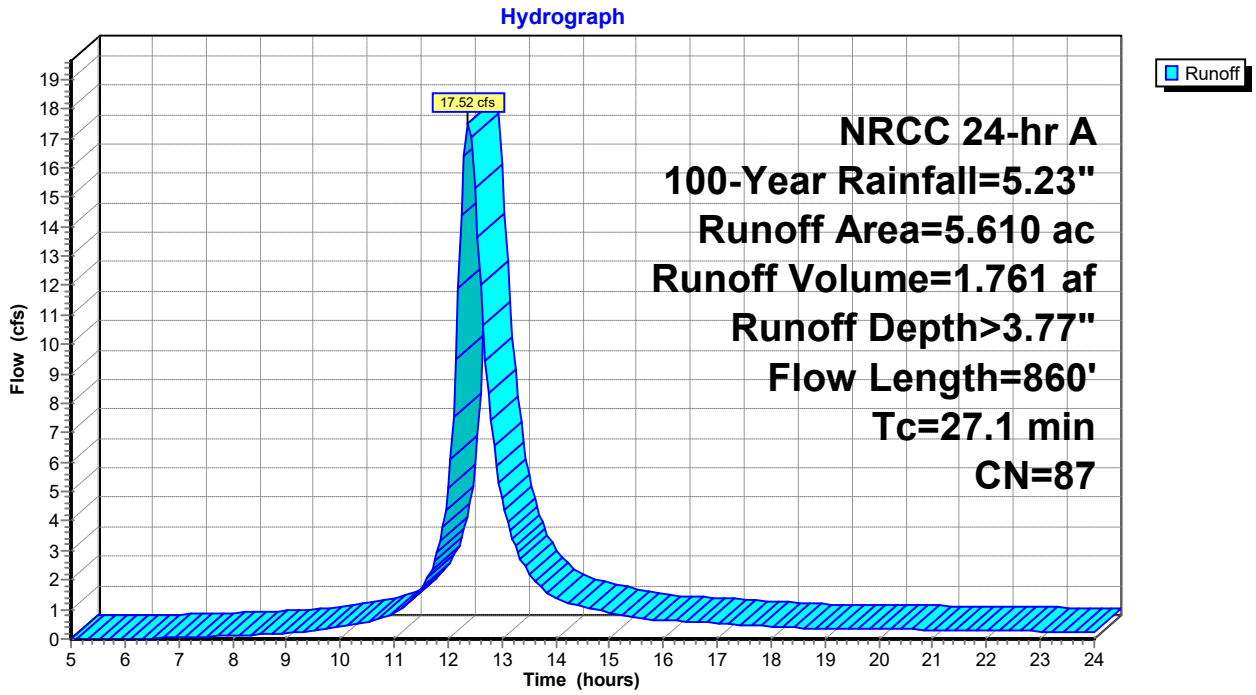
Runoff = 17.52 cfs @ 12.38 hrs, Volume= 1.761 af, Depth> 3.77"
Routed to Pond 3P : Pond

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-24.00 hrs, dt= 0.05 hrs
NRCC 24-hr A 100-Year Rainfall=5.23"

Area (ac)	CN	Description
0.970	98	Paved parking, HSG D
3.270	87	1/4 acre lots, 38% imp, HSG D
1.370	80	>75% Grass cover, Good, HSG D
5.610	87	Weighted Average
3.397		60.56% Pervious Area
2.213		39.44% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
22.7	100	0.0100	0.07		**Sheet Flow, SF** Grass: Dense n= 0.240 P2= 2.20"
0.1	20	0.0200	2.28		**Shallow Concentrated Flow,** Unpaved Kv= 16.1 fps
4.3	740	0.0040	2.87	2.25	**Pipe Channel,** 12.0" Round Area= 0.8 sf Perim= 3.1' r= 0.25' n= 0.013 Concrete pipe, straight & clean
27.1	860	Total			

Subcatchment 2S: DA POST DEV - CONTROLLED



Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

Hydrograph for Subcatchment 2S: DA POST DEV - CONTROLLED

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.00	0.27	0.00	0.00
5.25	0.28	0.00	0.00
5.50	0.30	0.00	0.00
5.75	0.32	0.00	0.00
6.00	0.33	0.00	0.01
6.25	0.35	0.00	0.01
6.50	0.37	0.00	0.02
6.75	0.39	0.01	0.03
7.00	0.42	0.01	0.05
7.25	0.44	0.01	0.06
7.50	0.46	0.02	0.08
7.75	0.49	0.02	0.10
8.00	0.52	0.03	0.12
8.25	0.55	0.04	0.14
8.50	0.58	0.04	0.16
8.75	0.61	0.05	0.18
9.00	0.64	0.06	0.21
9.25	0.68	0.08	0.24
9.50	0.72	0.09	0.28
9.75	0.76	0.11	0.34
10.00	0.81	0.13	0.41
10.25	0.87	0.16	0.49
10.50	0.93	0.19	0.57
10.75	1.01	0.23	0.68
11.00	1.10	0.28	0.89
11.25	1.24	0.36	1.21
11.50	1.40	0.47	1.72
11.75	1.72	0.69	2.63
12.00	2.46	1.28	5.11
12.25	3.51	2.19	**14.37**
12.50	3.83	2.48	**15.28**
12.75	3.99	2.63	8.35
13.00	4.13	2.75	4.77
13.25	4.22	2.84	3.15
13.50	4.30	2.91	2.25
13.75	4.36	2.97	1.71
14.00	4.42	3.02	1.39
14.25	4.47	3.07	1.22
14.50	4.51	3.11	1.10
14.75	4.55	3.15	0.99
15.00	4.59	3.18	0.89
15.25	4.62	3.21	0.78
15.50	4.65	3.24	0.71
15.75	4.68	3.27	0.66
16.00	4.71	3.30	0.63
16.25	4.74	3.32	0.61
16.50	4.77	3.35	0.58
16.75	4.79	3.37	0.56
17.00	4.81	3.39	0.53
17.25	4.84	3.41	0.50
17.50	4.86	3.43	0.48
17.75	4.88	3.45	0.45
18.00	4.90	3.47	0.42
18.25	4.91	3.49	0.40
18.50	4.93	3.50	0.38
18.75	4.95	3.52	0.37
19.00	4.96	3.53	0.36
19.25	4.98	3.55	0.35
19.50	5.00	3.56	0.35
19.75	5.01	3.58	0.34
20.00	5.03	3.59	0.33
20.25	5.04	3.61	0.33
20.50	5.06	3.62	0.32
20.75	5.07	3.63	0.31
21.00	5.08	3.65	0.31
21.25	5.10	3.66	0.30
21.50	5.11	3.67	0.29
21.75	5.12	3.69	0.29
22.00	5.14	3.70	0.28
22.25	5.15	3.71	0.28
22.50	5.16	3.72	0.27
22.75	5.17	3.73	0.26
23.00	5.19	3.74	0.26
23.25	5.20	3.75	0.25
23.50	5.21	3.76	0.24
23.75	5.22	3.77	0.24
24.00	**5.23**	**3.78**	0.23

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

Summary for Subcatchment 11S: DA Post - DEV Uncontrolled

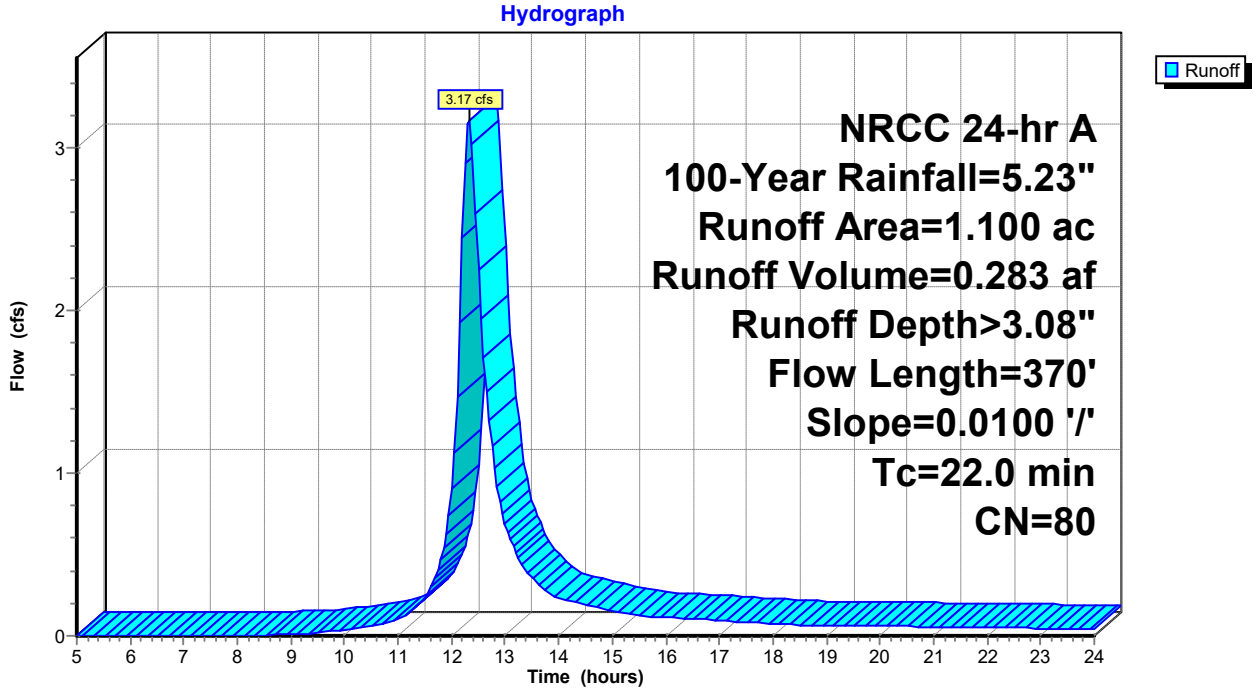
Runoff = 3.17 cfs @ 12.32 hrs, Volume= 0.283 af, Depth> 3.08"
Routed to Link 12L : POST DEV

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-24.00 hrs, dt= 0.05 hrs
NRCC 24-hr A 100-Year Rainfall=5.23"

Area (ac)	CN	Description
1.100	80	>75% Grass cover, Good, HSG D
1.100		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
15.6	100	0.0100	0.11		**Sheet Flow, SF** Grass: Short n= 0.150 P2= 2.20"
6.4	270	0.0100	0.70		**Shallow Concentrated Flow, SCF** Short Grass Pasture Kv= 7.0 fps
22.0	370	Total			

Subcatchment 11S: DA Post - DEV Uncontrolled



Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

Hydrograph for Subcatchment 11S: DA Post - DEV Uncontrolled

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.00	0.27	0.00	0.00
5.25	0.28	0.00	0.00
5.50	0.30	0.00	0.00
5.75	0.32	0.00	0.00
6.00	0.33	0.00	0.00
6.25	0.35	0.00	0.00
6.50	0.37	0.00	0.00
6.75	0.39	0.00	0.00
7.00	0.42	0.00	0.00
7.25	0.44	0.00	0.00
7.50	0.46	0.00	0.00
7.75	0.49	0.00	0.00
8.00	0.52	0.00	0.00
8.25	0.55	0.00	0.00
8.50	0.58	0.00	0.00
8.75	0.61	0.00	0.01
9.00	0.64	0.01	0.01
9.25	0.68	0.01	0.01
9.50	0.72	0.02	0.02
9.75	0.76	0.02	0.03
10.00	0.81	0.03	0.04
10.25	0.87	0.05	0.05
10.50	0.93	0.06	0.06
10.75	1.01	0.09	0.08
11.00	1.10	0.12	0.11
11.25	1.24	0.17	0.16
11.50	1.40	0.24	0.24
11.75	1.72	0.40	0.41
12.00	2.46	0.86	0.90
12.25	3.51	1.64	**2.91**
12.50	3.83	1.90	**2.25**
12.75	3.99	2.04	1.16
13.00	4.13	2.15	0.69
13.25	4.22	2.23	0.48
13.50	4.30	2.29	0.36
13.75	4.36	2.34	0.28
14.00	4.42	2.39	0.23
14.25	4.47	2.43	0.21
14.50	4.51	2.47	0.19
14.75	4.55	2.51	0.17
15.00	4.59	2.54	0.15
15.25	4.62	2.57	0.13
15.50	4.65	2.59	0.12
15.75	4.68	2.62	0.12
16.00	4.71	2.64	0.11
16.25	4.74	2.67	0.11
16.50	4.77	2.69	0.10
16.75	4.79	2.71	0.10
17.00	4.81	2.73	0.09
17.25	4.84	2.75	0.09
17.50	4.86	2.77	0.08
17.75	4.88	2.79	0.08
18.00	4.90	2.80	0.08
18.25	4.91	2.82	0.07
18.50	4.93	2.83	0.07
18.75	4.95	2.85	0.07
19.00	4.96	2.86	0.07
19.25	4.98	2.88	0.06
19.50	5.00	2.89	0.06
19.75	5.01	2.90	0.06
20.00	5.03	2.92	0.06
20.25	5.04	2.93	0.06
20.50	5.06	2.94	0.06
20.75	5.07	2.95	0.06
21.00	5.08	2.97	0.06
21.25	5.10	2.98	0.05
21.50	5.11	2.99	0.05
21.75	5.12	3.00	0.05
22.00	5.14	3.01	0.05
22.25	5.15	3.02	0.05
22.50	5.16	3.04	0.05
22.75	5.17	3.05	0.05
23.00	5.19	3.06	0.05
23.25	5.20	3.07	0.04
23.50	5.21	3.08	0.04
23.75	5.22	3.08	0.04
24.00	**5.23**	**3.09**	0.04

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

Summary for Pond 3P: Pond

Inflow Area = 5.610 ac, 39.44% Impervious, Inflow Depth > 3.77" for 100-Year event
Inflow = 17.52 cfs @ 12.38 hrs, Volume= 1.761 af
Outflow = 11.47 cfs @ 12.62 hrs, Volume= 1.748 af, Atten= 35%, Lag= 14.8 min
Primary = 11.47 cfs @ 12.62 hrs, Volume= 1.748 af
Routed to Link 12L : POST DEV

Routing by Stor-Ind method, Time Span= 5.00-24.00 hrs, dt= 0.05 hrs
Peak Elev= 583.86' @ 12.62 hrs Surf.Area= 10,880 sf Storage= 20,698 cf

Plug-Flow detention time= 40.5 min calculated for 1.748 af (99% of inflow)
Center-of-Mass det. time= 35.7 min (845.6 - 809.9)

Volume	Invert	Avail.Storage	Storage Description
#1	578.50'	34,837 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
578.50	1,628	0	0
579.00	1,920	887	887
580.00	2,550	2,235	3,122
581.00	3,220	2,885	6,007
582.00	3,960	3,590	9,597
583.00	4,760	4,360	13,957
584.00	11,860	8,310	22,267
585.00	13,280	12,570	34,837

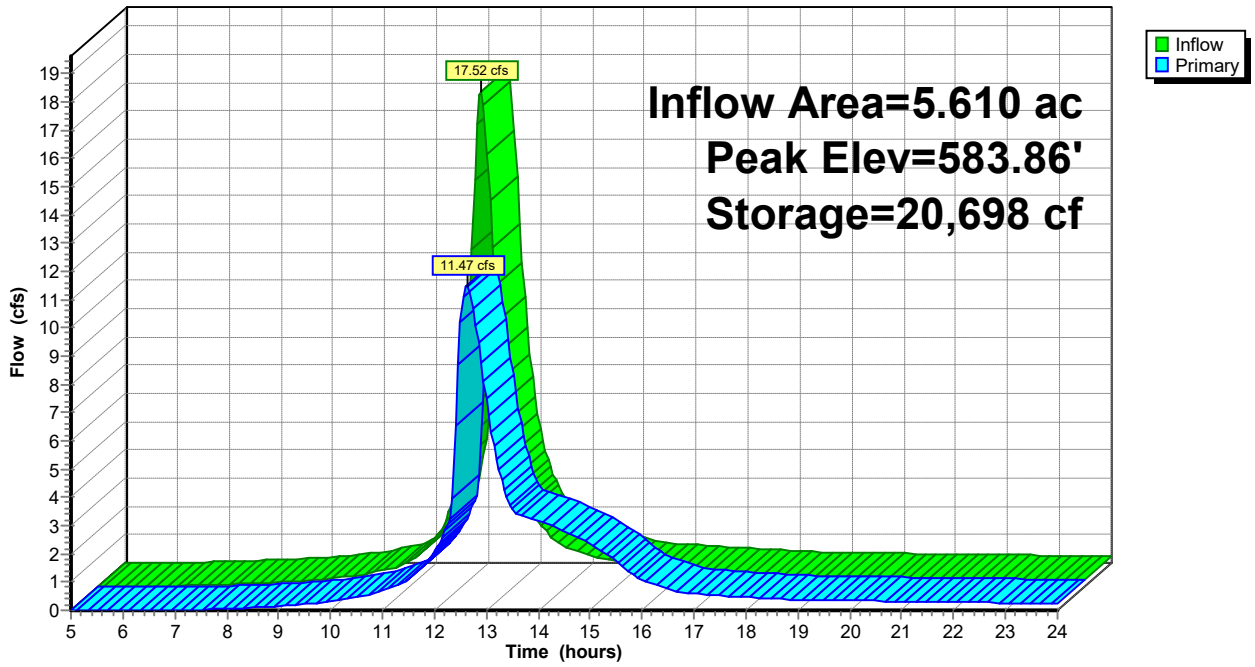
Device	Routing	Invert	Outlet Devices
#1	Device 4	578.51'	**8.0" Round Culvert** L= 16.0' RCP, square edge headwall, Ke= 0.500 Inlet / Outlet Invert= 578.51' / 578.45' S= 0.0037 '/' Cc= 0.900 n= 0.012 Corrugated PP, smooth interior, Flow Area= 0.35 sf
#2	Device 4	583.00'	**36.0" W x 36.0" H Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#3	Device 4	584.00'	**36.0" W x 36.0" H Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads
#4	Primary	578.34'	**18.0" Round Culvert** L= 34.0' RCP, square edge headwall, Ke= 0.500 Inlet / Outlet Invert= 578.34' / 578.21' S= 0.0038 '/' Cc= 0.900 n= 0.012 Corrugated PP, smooth interior, Flow Area= 1.77 sf

Primary OutFlow Max=11.42 cfs @ 12.62 hrs HW=583.86' (Free Discharge)
└**4=Culvert** (Passes 11.42 cfs of 18.58 cfs potential flow)
  └**1=Culvert** (Inlet Controls 3.76 cfs @ 10.78 fps)
  └**2=Orifice/Grate** (Orifice Controls 7.66 cfs @ 2.97 fps)
  └**3=Orifice/Grate** (Controls 0.00 cfs)

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

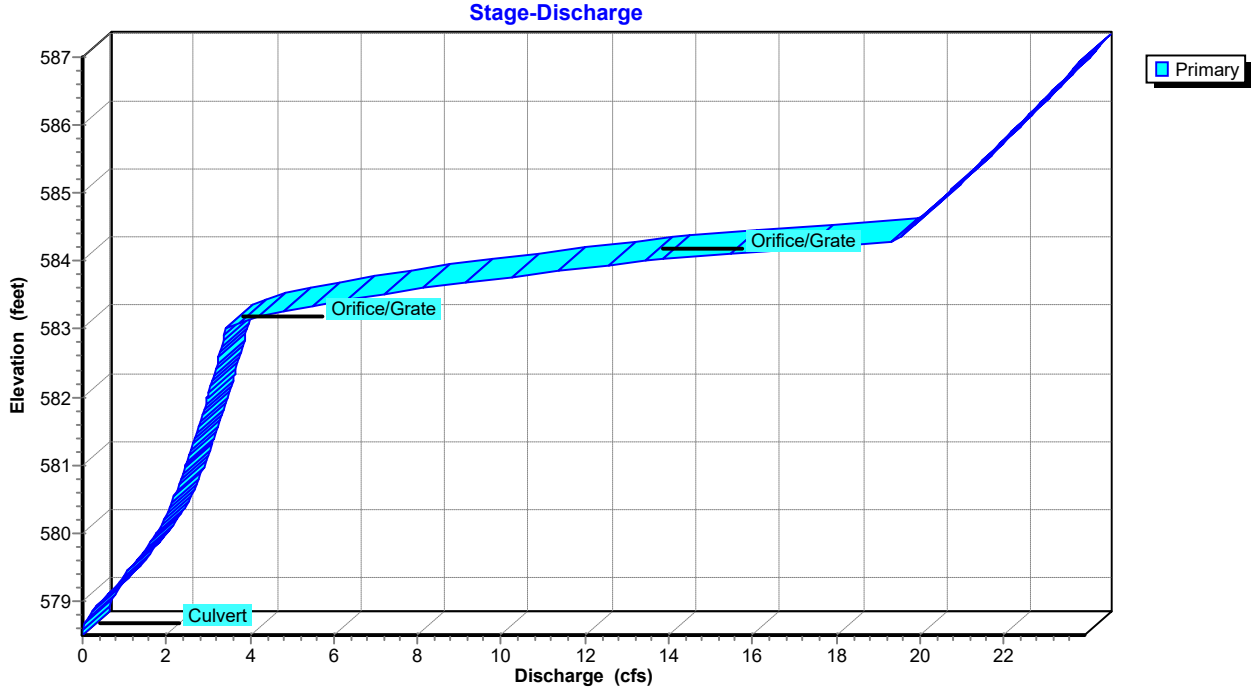
Pond 3P: Pond

Hydrograph



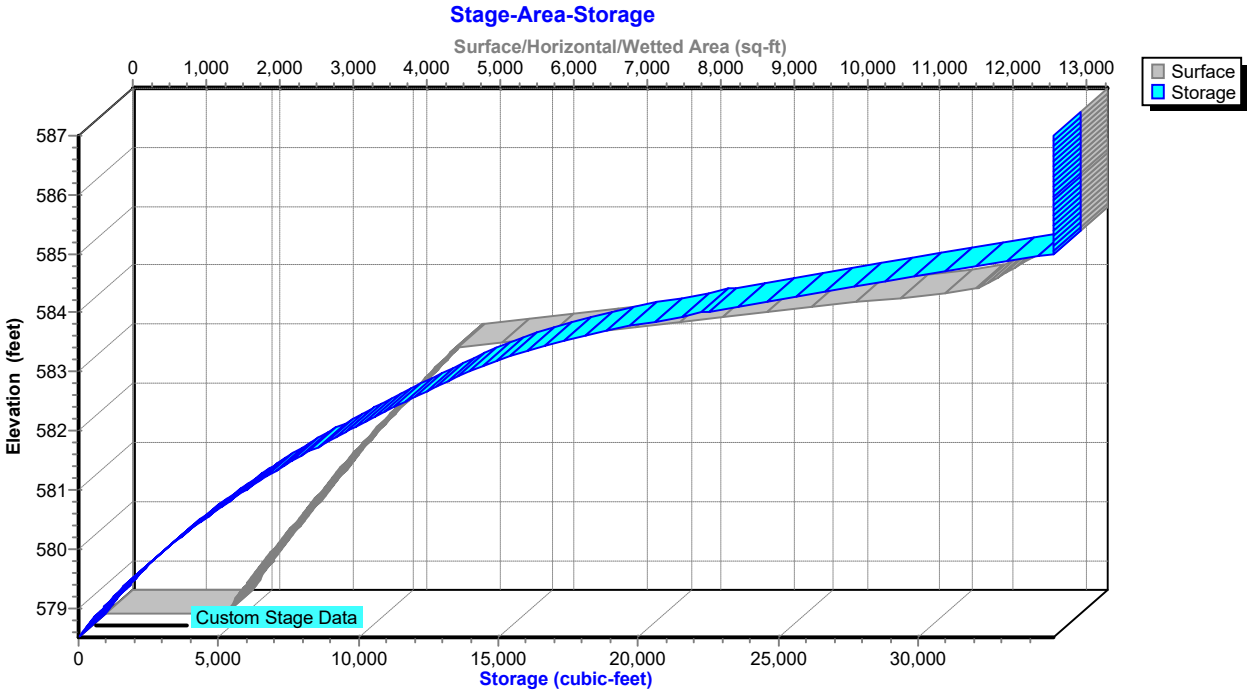
Pond 3P: Pond

Stage-Discharge



Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

Pond 3P: Pond



Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

Hydrograph for Pond 3P: Pond

Time (hours)	Inflow (cfs)	Storage (cubic-feet)	Elevation (feet)	Primary (cfs)
5.00	0.00	0	578.50	0.00
5.50	0.00	0	578.50	0.00
6.00	0.01	2	578.50	0.00
6.50	0.02	26	578.52	0.00
7.00	0.05	82	578.55	0.01
7.50	0.08	174	578.60	0.02
8.00	0.12	279	578.67	0.05
8.50	0.16	382	578.73	0.10
9.00	0.21	477	578.78	0.16
9.50	0.28	572	578.83	0.22
10.00	0.41	712	578.91	0.32
10.50	0.57	893	579.00	0.46
11.00	0.89	1,150	579.13	0.67
11.50	1.72	1,824	579.45	1.09
12.00	**5.11**	4,233	580.41	2.11
12.50	**15.28**	**19,692**	**583.77**	**10.19**
13.00	4.77	**17,576**	**583.54**	**7.48**
13.50	2.25	14,196	583.05	3.58
14.00	1.39	11,345	582.42	3.18
14.50	1.10	8,154	581.62	2.80
15.00	0.89	5,300	580.78	2.34
15.50	0.71	3,022	579.96	1.72
16.00	0.63	1,762	579.43	1.05
16.50	0.58	1,244	579.18	0.75
17.00	0.53	1,052	579.08	0.60
17.50	0.48	960	579.04	0.52
18.00	0.42	890	579.00	0.46
18.50	0.38	826	578.97	0.41
19.00	0.36	786	578.95	0.38
19.50	0.35	763	578.93	0.36
20.00	0.33	745	578.92	0.34
20.50	0.32	727	578.92	0.33
21.00	0.31	710	578.91	0.32
21.50	0.29	692	578.90	0.30
22.00	0.28	674	578.89	0.29
22.50	0.27	656	578.88	0.28
23.00	0.26	638	578.87	0.27
23.50	0.24	620	578.86	0.25
24.00	0.23	602	578.85	0.24

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

Stage-Discharge for Pond 3P: Pond

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
578.50	0.00	581.35	2.66	584.20	17.41
578.55	0.00	581.40	2.69	584.25	18.57
578.60	0.02	581.45	2.71	584.30	19.42
578.65	0.04	581.50	2.74	584.35	19.51
578.70	0.08	581.55	2.77	584.40	19.61
578.75	0.12	581.60	2.79	584.45	19.70
578.80	0.18	581.65	2.82	584.50	19.79
578.85	0.24	581.70	2.84	584.55	19.88
578.90	0.31	581.75	2.87	584.60	19.97
578.95	0.38	581.80	2.89	584.65	20.06
579.00	0.46	581.85	2.91	584.70	20.15
579.05	0.54	581.90	2.94	584.75	20.24
579.10	0.62	581.95	2.96	584.80	20.33
579.15	0.70	582.00	2.99	584.85	20.42
579.20	0.78	582.05	3.01	584.90	20.51
579.25	0.86	582.10	3.03	584.95	20.60
579.30	0.93	582.15	3.06	585.00	20.69
579.35	0.98	582.20	3.08	585.05	20.77
579.40	1.00	582.25	3.10	585.10	20.86
579.45	1.08	582.30	3.12	585.15	20.95
579.50	1.16	582.35	3.15	585.20	21.03
579.55	1.23	582.40	3.17	585.25	21.12
579.60	1.30	582.45	3.19	585.30	21.20
579.65	1.37	582.50	3.21	585.35	21.29
579.70	1.43	582.55	3.24	585.40	21.37
579.75	1.49	582.60	3.26	585.45	21.46
579.80	1.55	582.65	3.28	585.50	21.54
579.85	1.60	582.70	3.30	585.55	21.63
579.90	1.66	582.75	3.32	585.60	21.71
579.95	1.71	582.80	3.34	585.65	21.79
580.00	1.76	582.85	3.36	585.70	21.88
580.05	1.81	582.90	3.39	585.75	21.96
580.10	1.86	582.95	3.41	585.80	22.04
580.15	1.90	583.00	3.43	585.85	22.12
580.20	1.95	583.05	3.55	585.90	22.20
580.25	1.99	583.10	3.77	585.95	22.29
580.30	2.03	583.15	4.05	586.00	22.37
580.35	2.06	583.20	4.37	586.05	22.45
580.40	2.10	583.25	4.73	586.10	22.53
580.45	2.13	583.30	5.13	586.15	22.61
580.50	2.16	583.35	5.56	586.20	22.69
580.55	2.20	583.40	6.02	586.25	22.77
580.60	2.23	583.45	6.51	586.30	22.85
580.65	2.26	583.50	7.03	586.35	22.93
580.70	2.29	583.55	7.57	586.40	23.01
580.75	2.32	583.60	8.14	586.45	23.08
580.80	2.35	583.65	8.73	586.50	23.16
580.85	2.38	583.70	9.34	586.55	23.24
580.90	2.41	583.75	9.98	586.60	23.32
580.95	2.44	583.80	10.63	586.65	23.40
581.00	2.47	583.85	11.31	586.70	23.47
581.05	2.50	583.90	12.00	586.75	23.55
581.10	2.52	583.95	12.71	586.80	23.63
581.15	2.55	584.00	13.45	586.85	23.70
581.20	2.58	584.05	14.30	586.90	23.78
581.25	2.61	584.10	15.27	586.95	23.85
581.30	2.63	584.15	16.31	587.00	**23.93**

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

Stage-Area-Storage for Pond 3P: Pond

Elevation (feet)	Surface (sq-ft)	Storage (cubic-feet)
578.50	1,628	0
578.60	1,686	166
578.70	1,745	337
578.80	1,803	515
578.90	1,862	698
579.00	1,920	887
579.10	1,983	1,082
579.20	2,046	1,284
579.30	2,109	1,491
579.40	2,172	1,705
579.50	2,235	1,926
579.60	2,298	2,152
579.70	2,361	2,385
579.80	2,424	2,625
579.90	2,487	2,870
580.00	2,550	3,122
580.10	2,617	3,380
580.20	2,684	3,645
580.30	2,751	3,917
580.40	2,818	4,196
580.50	2,885	4,481
580.60	2,952	4,773
580.70	3,019	5,071
580.80	3,086	5,376
580.90	3,153	5,688
581.00	3,220	6,007
581.10	3,294	6,333
581.20	3,368	6,666
581.30	3,442	7,006
581.40	3,516	7,354
581.50	3,590	7,710
581.60	3,664	8,072
581.70	3,738	8,442
581.80	3,812	8,820
581.90	3,886	9,205
582.00	3,960	9,597
582.10	4,040	9,997
582.20	4,120	10,405
582.30	4,200	10,821
582.40	4,280	11,245
582.50	4,360	11,677
582.60	4,440	12,117
582.70	4,520	12,565
582.80	4,600	13,021
582.90	4,680	13,485
583.00	4,760	13,957
583.10	5,470	14,469
583.20	6,180	15,051
583.30	6,890	15,704
583.40	7,600	16,429
583.50	8,310	17,225
583.60	9,020	18,091
583.70	9,730	19,029
583.80	10,440	20,037
583.90	11,150	21,116
584.00	11,860	22,267
584.10	12,002	23,460
584.20	12,144	24,667
584.30	12,286	25,889
584.40	12,428	27,125
584.50	12,570	28,375
584.60	12,712	29,639
584.70	12,854	30,917
584.80	12,996	32,209
584.90	13,138	33,516
585.00	**13,280**	**34,837**
585.10	13,280	34,837
585.20	13,280	34,837
585.30	13,280	34,837
585.40	13,280	34,837
585.50	13,280	34,837
585.60	13,280	34,837
585.70	13,280	34,837
585.80	13,280	34,837
585.90	13,280	34,837
586.00	13,280	34,837
586.10	13,280	34,837
586.20	13,280	34,837
586.30	13,280	34,837
586.40	13,280	34,837
586.50	13,280	34,837
586.60	13,280	34,837
586.70	13,280	34,837
586.80	13,280	34,837
586.90	13,280	34,837
587.00	13,280	34,837

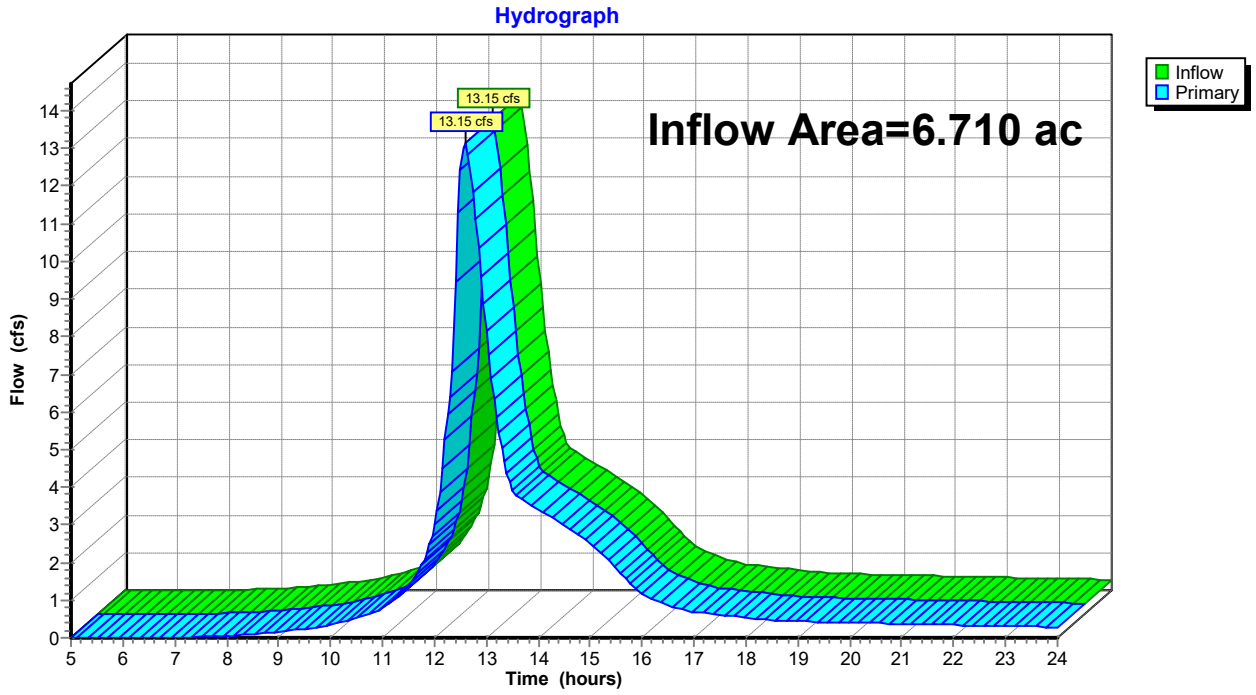
Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

Summary for Link 12L: POST DEV

Inflow Area = 6.710 ac, 32.97% Impervious, Inflow Depth > 3.63" for 100-Year event
Inflow = 13.15 cfs @ 12.59 hrs, Volume= 2.030 af
Primary = 13.15 cfs @ 12.59 hrs, Volume= 2.030 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 5.00-24.00 hrs, dt= 0.05 hrs

Link 12L: POST DEV



Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

Hydrograph for Link 12L: POST DEV

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
5.00	0.00	**0.00**	0.00	19.25	0.43	0.00	0.43
5.25	0.00	0.00	0.00	19.50	0.42	0.00	0.42
5.50	0.00	0.00	0.00	19.75	0.41	0.00	0.41
5.75	0.00	0.00	0.00	20.00	0.40	0.00	0.40
6.00	0.00	0.00	0.00	20.25	0.40	0.00	0.40
6.25	0.00	0.00	0.00	20.50	0.39	0.00	0.39
6.50	0.00	0.00	0.00	20.75	0.38	0.00	0.38
6.75	0.00	0.00	0.00	21.00	0.37	0.00	0.37
7.00	0.01	0.00	0.01	21.25	0.37	0.00	0.37
7.25	0.01	0.00	0.01	21.50	0.36	0.00	0.36
7.50	0.02	0.00	0.02	21.75	0.35	0.00	0.35
7.75	0.04	0.00	0.04	22.00	0.34	0.00	0.34
8.00	0.05	0.00	0.05	22.25	0.33	0.00	0.33
8.25	0.08	0.00	0.08	22.50	0.33	0.00	0.33
8.50	0.11	0.00	0.11	22.75	0.32	0.00	0.32
8.75	0.13	0.00	0.13	23.00	0.31	0.00	0.31
9.00	0.17	0.00	0.17	23.25	0.30	0.00	0.30
9.25	0.20	0.00	0.20	23.50	0.30	0.00	0.30
9.50	0.24	0.00	0.24	23.75	0.29	0.00	0.29
9.75	0.29	0.00	0.29	24.00	0.28	0.00	0.28
10.00	0.36	0.00	0.36				
10.25	0.43	0.00	0.43				
10.50	0.52	0.00	0.52				
10.75	0.63	0.00	0.63				
11.00	0.78	0.00	0.78				
11.25	1.02	0.00	1.02				
11.50	1.32	0.00	1.32				
11.75	1.92	0.00	1.92				
12.00	3.01	0.00	3.01				
12.25	5.94	0.00	5.94				
12.50	**12.44**	0.00	**12.44**				
12.75	**11.83**	0.00	**11.83**				
13.00	8.17	0.00	8.17				
13.25	5.43	0.00	5.43				
13.50	3.93	0.00	3.93				
13.75	3.61	0.00	3.61				
14.00	3.41	0.00	3.41				
14.25	3.21	0.00	3.21				
14.50	2.99	0.00	2.99				
14.75	2.75	0.00	2.75				
15.00	2.49	0.00	2.49				
15.25	2.20	0.00	2.20				
15.50	1.84	0.00	1.84				
15.75	1.48	0.00	1.48				
16.00	1.16	0.00	1.16				
16.25	1.00	0.00	1.00				
16.50	0.85	0.00	0.85				
16.75	0.75	0.00	0.75				
17.00	0.69	0.00	0.69				
17.25	0.64	0.00	0.64				
17.50	0.60	0.00	0.60				
17.75	0.57	0.00	0.57				
18.00	0.54	0.00	0.54				
18.25	0.50	0.00	0.50				
18.50	0.48	0.00	0.48				
18.75	0.46	0.00	0.46				
19.00	0.44	0.00	0.44				

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

TABLE OF CONTENTS

Project Reports
1 Routing Diagram
2 Project Notes
3 Rainfall Events Listing (selected events)
4 Area Listing (selected nodes)
5 Soil Listing (selected nodes)
6 Ground Covers (selected nodes)
7 Pipe Listing (selected nodes)

1-Year Event
8 Node Listing
9 Subcat 2S: DA POST DEV - CONTROLLED
11 Subcat 11S: DA Post - DEV Uncontrolled
13 Pond 3P: Pond
19 Link 12L: POST DEV

10-Year Event
21 Node Listing
22 Subcat 2S: DA POST DEV - CONTROLLED
24 Subcat 11S: DA Post - DEV Uncontrolled
26 Pond 3P: Pond
32 Link 12L: POST DEV

25-Year Event
34 Node Listing
35 Subcat 2S: DA POST DEV - CONTROLLED
37 Subcat 11S: DA Post - DEV Uncontrolled
39 Pond 3P: Pond
45 Link 12L: POST DEV

100-Year Event
47 Node Listing
48 Subcat 2S: DA POST DEV - CONTROLLED
50 Subcat 11S: DA Post - DEV Uncontrolled
52 Pond 3P: Pond
58 Link 12L: POST DEV

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

Green Infrastructure & Water Quality Calculations

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

Step 2 - Calculate Water Quality Volume

Is this project subject to Section 4.3 of the NYS Design Manual for Enhanced Phosphorus Removal?	No
What is the nature of this construction project?	New Construction

Design Point:	1		
P=	0.90	inches	*Enter 90% Rainfall Event as P*

Calculate Required WQv

Drainage Area Number	Contributing Area (Acres)	Impervious Area (Acres)	Percent Impervious %	Rv	WQv (cf)	SMP Description
1	5.00	1.65	33	0.35	5,668	
2	1.71	0.56	33	0.34	1,926	
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						
26						
27						
28						
29						
30						
Total	6.71	2.21	33	0.35	**7594**	**Required WQv** **0.17** **af**

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

Steps 3 and 5 - Apply RR Techniques and Standard SMPs

Runoff Reduction Volume and Treated Volumes						
	Runoff Reduction Techiques/Standard SMPs		Total Contributing Area	Total Contributing Impervious Area	WQv Reduced (RRv)	WQv Treated
			(acres)	(acres)	(cf)	(cf)
RR Techniques	Conservation of Natural Areas	RR-1	0.00		0	
	Sheet Flow to Riparian Buffer/Filter Strip	RR-2	0.00	0.00	0	
	Tree Planting/Tree Pit/Tree Trench	RR-3	0.00	0.00	0	
	Disconnection of Rooftop Runoff	RR-4		0.00	0	
	Vegetated Swale	RR-5	0.00	0.00	0	
	Rain Garden	RR-6	0.00	0.00	0	
	Stormwater Planter	RR-7	0.00	0.00	0	
	Rainwater Harvesting Systems	RR-8	0.00	0.00	0	
	Porous Pavement	RR-9	0.00	0.00	0	
	Green Roof (Extensive & Intensive)	RR-10	0.00	0.00	0	
	Stream Daylighting	RR-11				
Standard SMPs w/ RRv Capacity	Infiltration Trench	I-1	0.00	0.00	0	0
	Infiltration Basin	I-2	0.00	0.00	0	0
	Dry Well	I-3	0.00	0.00	0	0
	Underground Infiltration System	I-4	0.00	0.00	0	0
	Infiltration Bioretention	F-4	0.00	0.00	0	0
	Filtration Bioretention	F-5	6.71	2.21	4,224	3,370
	Bioslope	F-6	0.00	0.00	0	0
	Dry swale	O-1	0.00	0.00	0	0
Standard SMPs	Micropool Extended Detention	P-1	0.00	0.00		0
	Wet Pond	P-2	0.00	0.00		0
	Wet Extended Detention	P-3	0.00	0.00		0
	Multiple Pond System	P-4	0.00	0.00		0
	Shallow Wetland	W-1	0.00	0.00		0
	Extended Detention Shallow Wetland	W-2	0.00	0.00		0
	Pond/Wetland System	W-3	0.00	0.00		0
	Pocket Wetland	W-4	0.00	0.00		0
	Gravel Wetland	W-5	0.00	0.00		0
	Surface Sand Filter	F-1	0.00	0.00		0
	Underground Sand Filter	F-2	0.00	0.00		0
	Perimeter Sand Filter	F-3	0.00	0.00		0
	Wet Swale	O-2	0.00	0.00		0
Alt. SMPs	Flow Based Alternative Practice	-	0.00	0.00		0
	Volume Based Alternative Practice	-				
	Totals by RR Technique →		0.00	0.00	0	
	Totals by Standard SMP w/RRV →		6.71	2.21	4,224	3,370
	Totals by Standard SMP →		0.00	0.00		0
	Totals by Alternative SMP →		0.00	0.00		0
	Totals (RR Techniques + all SMPs) →		6.71	2.21	4,224	3,370

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

Step 4 - Calcuate Minimum RRv Required

Enter the Soils Data for the site		
Hydrologic Soil Group	Acres	S
A		55%
B		40%
C		30%
D	6.71	20%
Total Area	6.71	

Calculate the Minimum RRv		
S =	**0.20**	
Impervious =	6.71	*acres*
Precipitation	0.90	*inches*
Rv	0.95	
Minimum RRv	**0.096**	***af***
	4182	cf

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

Filtration Bioretention (F-5)

Design Point:	1

Enter Site Data For Drainage Area to be Treated by Practice							
Drainage Area Number	**Contributing Area** (Acres)	**Impervious Area** (Acres)	**Percent Impervious** %	**Rv**	**WQv** (cf)	**Precipitation** (in)	**Description**
1	5.00	1.65	33	0.35	5,668	0.90	0

Design Criteria		
Enter underlying soil infiltration rate (based on geotechnical testing, refer to Appendix D)	0	Underdrains required
Is the contributing area to the practice a stormwater hotspot?	No	
Is the practice the first in series for treatment of a Level 1 (Infiltration Restricted) hotspot?	No	
Is contributing area greater than max. contributing area?	No	
Enter depth to seasonal high water table (ft)	2	
Enter depth to bedrock (ft)	NA	
Is pretreatment provided, in conformance with Section 6.4.3.1	Yes	
Enter average height of ponding (ft)	0.5	
Enter depth of surface layer (inches)	3	
Enter depth of filter media (ft)	2.5	
Enter depth of drainage layer (inches)	12	
Enter slope of maintenance access (%)	5	
Enter width of maintenance access (ft)	12	

Sizing Criteria				
		Value	Units	Notes
Permeability Flow Rate	k	1	ft/day	
Filter Time	tf	2	days	
Required Filter Area	Af	2362	sf	
Enter Provided Filter Area	Af	2900	sf	
Recalculated Water Quality Volume (based on provided filter area)	WQv calc	6960	cf	

Calculate Runoff Reduction			
RRv Provided	**2,784**	***cf***	
WQv Treated	2884	cf	This is the portion of the WQv that is not reduced in the practice.

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

Filtration Bioretention (F-5)

Design Point:	1

Enter Site Data For Drainage Area to be Treated by Practice							
Drainage Area Number	**Contributing Area** (Acres)	**Impervious Area** (Acres)	**Percent Impervious** %	**Rv**	**WQv** (cf)	**Precipitation** (in)	**Description**
2	1.71	0.56	33	0.34	1,926	0.90	0

Design Criteria		
Enter underlying soil infiltration rate (based on geotechnical testing, refer to Appendix D)	0	Underdrains required
Is the contributing area to the practice a stormwater hotspot?	No	
Is the practice the first in series for treatment of a Level 1 (Infiltration Restricted) hotspot?	No	
Is contributing area greater than max. contributing area?	No	
Enter depth to seasonal high water table (ft)	2	
Enter depth to bedrock (ft)	NA	
Is pretreatment provided, in conformance with Section 6.4.3.1		
Enter average height of ponding (ft)	0.5	
Enter depth of surface layer (inches)	3	
Enter depth of filter media (ft)	2.5	
Enter depth of drainage layer (inches)	12	
Enter slope of maintenance access (%)	5	
Enter width of maintenance access (ft)	12	

Sizing Criteria				
		Value	Units	Notes
Permeability Flow Rate	k	1	ft/day	
Filter Time	tf	2	days	
Required Filter Area	Af	803	sf	
Enter Provided Filter Area	Af	1500	sf	
Recalculated Water Quality Volume (based on provided filter area)	WQv calc	3600	cf	

Calculate Runoff Reduction			
RRv Provided	**1,440**	***cf***	
WQv Treated	486	cf	This is the portion of the WQv that is not reduced in the practice.

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

Storm Sewer Calculations

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

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© CARMINA WOOD DESIGN

N POST DEVELOPMENT DRAINAGE MAP

SCALE: 1"=40'

TOWN OF AMHERST APPROVAL BOX:

NOTE: BOUNDARY AND TOPOGRAPHIC INFORMATION PROVIDED BY OTHERS. CARMINA WOOD DESIGN ASSUMES NO RESPONSIBILITY FO

40' 0 40

CARMINAWO

Single Family Subdivision

No.	Description	Date
1	Rev. Per Town Comments	9/19/2024
2	Rev. Per Town Comments	10/24/2024

PRELIMINARY

DRAWING NAM

Storm Dr
Area Map

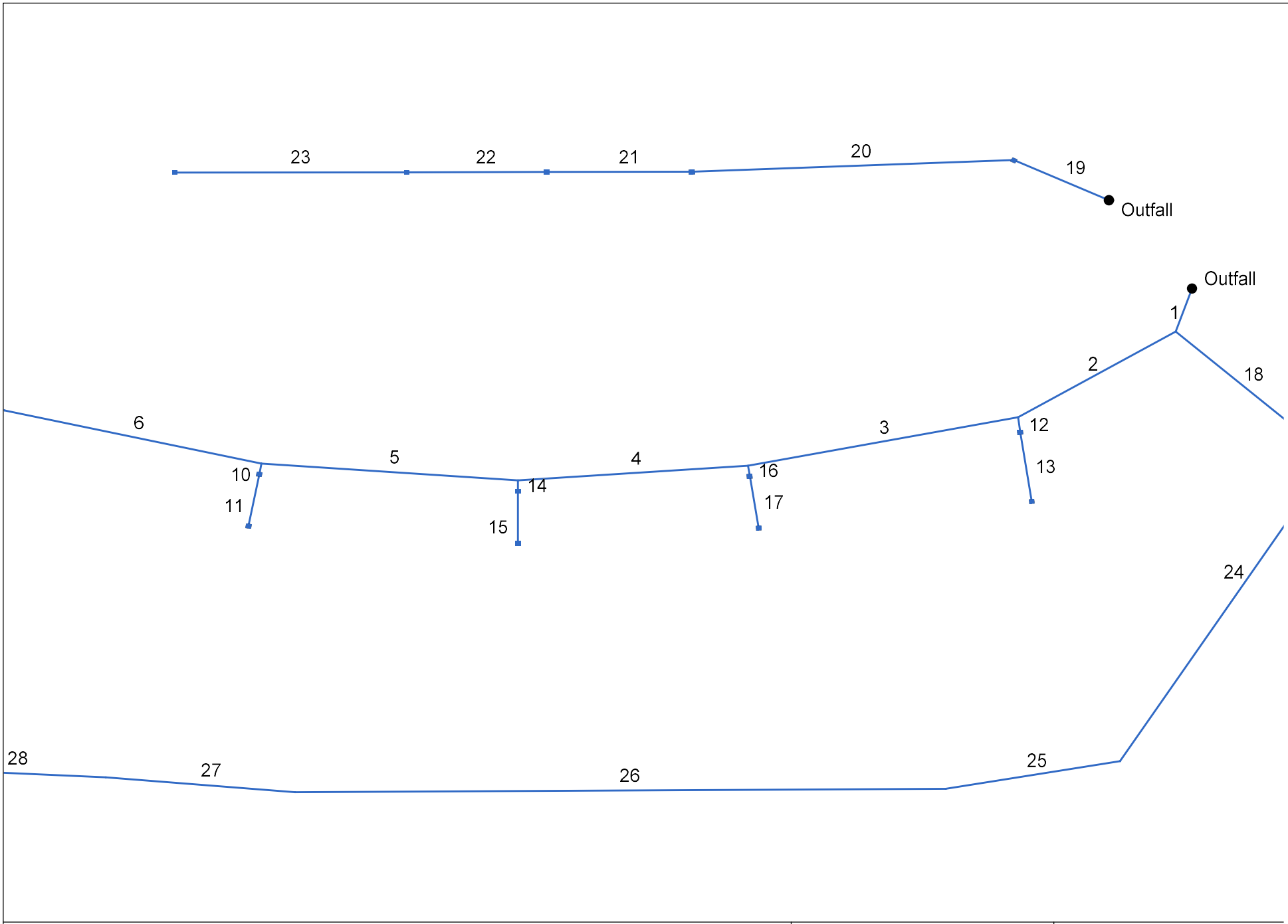
Date:
Drawn By: C. Wood
Scale: As Noted

DRAWING NO.

PROJECT NO.

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge

Hydraflow Storm Sewers Extension for Autodesk® Civil 3D® Plan



Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

Project File: HydraFlow.stm	Number of lines: 29	Date: 2/11/2025

Storm Sewer Inventory Report

Line No.	Alignment				Flow Data				Physical Data								Line ID
	Dnstr Line No.	Line Length (ft)	Defl angle (deg)	Junc Type	Known Q (cfs)	Drng Area (ac)	Runoff Coeff (C)	Inlet Time (min)	Invert El Dn (ft)	Line Slope (%)	Invert El Up (ft)	Line Size (in)	Line Shape	N Value (n)	J-Loss Coeff (K)	Inlet/ Rim El (ft)	
29	28	77.093	5.132	Genr	0.00	0.08	0.35	5.0	581.18	0.40	581.49	12	Cir	0.012	1.00	585.26	YD 1 - YD 2
28	27	75.349	-2.440	Genr	0.00	0.13	0.35	5.0	580.88	0.40	581.18	12	Cir	0.012	0.50	584.06	YD 2 - YD 3
27	26	72.927	5.999	Genr	0.00	0.10	0.35	5.0	580.59	0.40	580.88	12	Cir	0.012	0.50	583.32	YD 3 - YD 4
26	25	249.680	10.862	Genr	0.00	0.24	0.35	8.0	579.59	0.40	580.59	12	Cir	0.012	0.50	582.62	YD 4 - YD 5
25	24	68.135	49.571	Genr	0.00	0.24	0.35	8.0	579.32	0.40	579.59	12	Cir	0.012	0.50	582.14	YD 5 - STM MH 8
24	End	205.342	119.188	Genr	0.00	0.00	0.00	0.0	578.60	0.35	579.32	12	Cir	0.012	1.20	583.01	MH 8 - ES
23	22	88.884	0.002	Genr	0.00	0.11	0.35	5.0	583.46	1.27	584.59	12	Cir	0.012	1.00	587.92	YD 10 - YD 9
22	21	53.658	0.000	Genr	0.00	0.08	0.35	5.0	583.25	0.39	583.46	12	Cir	0.012	0.50	586.71	YD 9 - YD 8
21	20	55.745	2.507	Genr	0.00	0.11	0.35	5.0	583.03	0.39	583.25	12	Cir	0.012	0.50	586.17	YD 8 - YD 7
20	19	123.646	-30.328	Genr	0.00	0.20	0.35	5.0	582.64	0.32	583.03	12	Cir	0.012	0.50	585.06	YD 7 - YD 6
19	End	41.197	-152.273	Genr	0.00	0.02	0.35	5.0	582.50	0.34	582.64	12	Cir	0.012	0.84	585.50	YD 6 - ES
18	1	63.113	-61.600	Genr	0.00	0.23	0.35	10.0	582.89	0.40	583.14	12	Cir	0.012	1.00	586.14	CB 11 - MH 7
17	16	25.000	0.693	Genr	0.00	0.30	0.30	14.0	583.35	0.32	583.43	12	Cir	0.012	1.00	586.43	CB 7 - CB 8
16	3	5.225	-85.817	Genr	0.00	0.30	0.30	14.0	583.33	0.38	583.35	12	Cir	0.012	0.50	586.43	CB 8 - MH 5
15	14	24.988	0.800	Genr	0.00	0.19	0.35	8.0	583.86	0.52	583.99	12	Cir	0.012	1.00	586.96	CB 5 - CB 6
14	4	5.265	-86.259	Genr	0.00	0.20	0.35	8.0	583.84	0.38	583.86	12	Cir	0.012	0.50	586.96	CB 6 - MH 4
13	12	33.529	0.000	Genr	0.00	0.12	0.45	5.0	584.25	0.39	584.38	12	Cir	0.012	1.00	587.38	CB 9 - CB 10
12	2	7.220	-63.196	Genr	0.00	0.13	0.35	5.0	584.22	0.42	584.25	12	Cir	0.012	0.50	587.41	CB 10 - MH 6
11	10	24.968	0.039	Genr	0.00	0.31	0.45	5.0	584.88	0.40	584.98	12	Cir	0.012	1.00	587.98	CB 3 - CB 4
10	5	5.280	-85.144	Genr	0.00	0.29	0.45	0.0	584.86	0.38	584.88	12	Cir	0.012	0.50	587.98	CB 4 - MH 3
9	8	24.937	0.235	Genr	0.00	0.21	0.45	5.0	585.45	0.40	585.55	12	Cir	0.012	1.00	588.55	CB 1 - CB 2
8	7	5.265	-85.303	Genr	0.00	0.14	0.35	5.0	585.43	0.38	585.45	12	Cir	0.012	0.50	588.51	CB 2 - MH 1
7	6	101.916	10.042	Genr	0.00	0.00	0.00	0.0	584.51	0.40	584.92	12	Cir	0.012	1.50	589.08	MH 1 - MH 2

Project File: HydraFlow.stm

Number of lines: 29

Date: 2/11/2025

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

Storm Sewer Inventory Report

Line No.	Alignment				Flow Data				Physical Data								Line ID
	Dnstr Line No.	Line Length (ft)	Defl angle (deg)	Junc Type	Known Q (cfs)	Drng Area (ac)	Runoff Coeff (C)	Inlet Time (min)	Invert El Dn (ft)	Line Slope (%)	Invert El Up (ft)	Line Size (in)	Line Shape	N Value (n)	J-Loss Coeff (K)	Inlet/ Rim El (ft)	
6	5	101.918	9.883	Genr	0.00	0.00	0.00	0.0	584.10	0.40	584.51	12	Cir	0.012	0.50	589.45	MH 2 - MH 3
5	4	98.692	9.151	Genr	0.00	0.00	0.00	0.0	583.71	0.40	584.10	18	Cir	0.012	1.50	588.52	MH 3 - MH 4
4	3	88.483	8.095	Genr	0.00	0.00	0.00	0.0	583.33	0.43	583.71	18	Cir	0.012	1.50	587.50	MH 4 - MH 5
3	2	106.221	21.577	Genr	0.00	0.00	0.00	0.0	582.91	0.40	583.33	18	Cir	0.012	1.50	586.96	MH 5 - MH 6
2	1	73.200	39.076	Genr	0.00	0.00	0.00	0.0	582.62	0.40	582.91	18	Cir	0.012	1.37	587.99	MH 6 - MH 7
1	End	21.560	106.728	Genr	0.00	0.00	0.00	0.0	582.50	0.56	582.62	18	Cir	0.012	1.35	587.75	MH 7 - ES

Project File: HydraFlow.stm | Number of lines: 29 | Date: 2/11/2025

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

Storm Sewer Inlet Time Tabulation

Line No.	Line ID	Tc Method	Sheet Flow					Shallow Concentrated Flow					Channel Flow							Total
			n-Value	flow Length (ft)	2-yr 24h P (in)	Land Slope (%)	Travel Time (min)	flow Length (ft)	Water Slope (%)	Surf Descr	Ave Vel (ft/s)	Travel Time (min)	X-sec Area (sqft)	Wetted Perim (ft)	Chan Slope (%)	n-Value	Vel	flow Length (ft)	Travel Time (min)	Tra Tir (m
29	YD 1 - YD 2	User																		5
28	YD 2 - YD 3	User																		5
27	YD 3 - YD 4	User																		5
26	YD 4 - YD 5	User																		8
25	YD 5 - STM MH 8	User																		8
24	MH 8 - ES	User																		0
23	YD 10 - YD 9	User																		5
22	YD 9 - YD 8	User																		5
21	YD 8 - YD 7	User																		5
20	YD 7 - YD 6	User																		5
19	YD 6 - ES	User																		5
18	CB 11 - MH 7	User																		1
17	CB 7 - CB 8	User																		1
16	CB 8 - MH 5	User																		1
15	CB 5 - CB 6	User																		8
14	CB 6 - MH 4	User																		8
13	CB 9 - CB 10	User																		5
12	CB 10 - MH 6	User																		5
11	CB 3 - CB 4	User																		5
10	CB 4 - MH 3	User																		0
9	CB 1 - CB 2	User																		5
8	CB 2 - MH 1	User																		5
7	MH 1 - MH 2	User																		0
6	MH 2 - MH 3	User																		0

Project File: HydraFlow.stm | Min. Tc used for intensity calculations = 5 min | Number of lines: 29 | Date: 2/11/2025

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

Storm Sewer Inlet Time Tabulation

Line No.	Line ID	Tc Method	Sheet Flow					Shallow Concentrated Flow					Channel Flow							Total Tra Tir (m
			n-Value	flow Length (ft)	2-yr 24h P (in)	Land Slope (%)	Travel Time (min)	flow Length (ft)	Water Slope (%)	Surf Descr	Ave Vel (ft/s)	Travel Time (min)	X-sec Area (sqft)	Wetted Perim (ft)	Chan Slope (%)	n-Value	Vel	flow Length (ft)	Travel Time (min)	
5	MH 3 - MH 4	User																		0
4	MH 4 - MH 5	User																		0
3	MH 5 - MH 6	User																		0
2	MH 6 - MH 7	User																		0
1	MH 7 - ES	User																		0

Project File: HydraFlow.stm | Min. Tc used for intensity calculations = 5 min | Number of lines: 29 | Date: 2/11/2025

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

Hydraulic Grade Line Computations

Line	Size	Q	Downstream								Len	Upstream								Check		JL coeff	Minor l
			Invert elev	HGL elev	Depth	Area	Vel	Vel head	EGL elev	Sf		Invert elev	HGL elev	Depth	Area	Vel	Vel head	EGL elev	Sf	Ave Sf	Enrgy loss		
	(in)	(cfs)	(ft)	(ft)	(ft)	(sqft)	(ft/s)	(ft)	(ft)	(%)	(ft)	(ft)	(ft)	(ft)	(sqft)	(ft/s)	(ft)	(ft)	(%)	(%)	(ft)	(K)	(
29	12	0.20	581.18	581.51	0.33	0.10	0.91	0.01	581.52	0.052	77.093	581.49	581.68 j	0.19**	0.10	2.00	0.06	581.74	0.479	0.265	0.205	1.00	
28	12	0.44	580.88	581.27	0.39	0.18	1.58	0.04	581.31	0.131	75.349	581.18	581.46	0.28**	0.18	2.49	0.10	581.55	0.466	0.299	0.225	0.50	
27	12	0.62	580.59	581.02	0.43	0.22	1.90	0.06	581.08	0.171	72.927	580.88	581.21	0.33**	0.23	2.74	0.12	581.33	0.468	0.320	0.233	0.50	
26	12	1.06	579.59	580.25	0.66	0.32	1.91	0.06	580.31	0.124	249.680	580.59	581.02	0.43**	0.32	3.25	0.16	581.19	0.500	0.312	n/a	0.50	
25	12	1.41	579.32	580.09	0.77	0.65	2.17	0.07	580.16	0.151	68.135	579.59	580.19	0.60	0.49	2.87	0.13	580.32	0.298	0.224	0.153	0.50	
24	12	1.39	578.60	579.10	0.50	0.39	3.55	0.20	579.30	0.521	205.342	579.32	579.96	0.64	0.53	2.60	0.11	580.07	0.234	0.377	0.775	1.20	
23	12	0.28	583.46	583.87	0.41	0.13	0.93	0.08	583.94	0.000	88.884	584.59	584.81 j	0.22**	0.13	2.22	0.08	584.88	0.000	0.000	n/a	1.00	
22	12	0.41	583.25	583.83	0.58	0.48	0.87	0.01	583.84	0.028	53.658	583.46	583.85	0.39	0.28	1.46	0.03	583.88	0.111	0.070	0.037	0.50	
21	12	0.62	583.03	583.81	0.78	0.65	0.95	0.01	583.82	0.029	55.745	583.25	583.82	0.57	0.46	1.35	0.03	583.85	0.068	0.048	0.027	0.50	
20	12	1.00	582.64	583.71	1.00	0.79	1.28	0.03	583.73	0.068	123.646	583.03	583.79	0.76	0.64	1.57	0.04	583.83	0.080	0.074	0.091	0.50	
19	12	1.00	582.50	583.66	1.00	0.79	1.28	0.03	583.69	0.068	41.197	582.64	583.69	1.00	0.79	1.28	0.03	583.71	0.068	0.068	0.028	0.84	
18	12	0.49	582.89	583.44	0.55	0.45	1.09	0.02	583.46	0.045	63.113	583.14	583.49	0.35	0.24	1.99	0.06	583.55	0.231	0.138	0.087	1.00	
17	12	0.48	583.35	584.52	1.00	0.79	0.61	0.01	584.53	0.016	25.000	583.43	584.53	1.00	0.79	0.61	0.01	584.53	0.016	0.016	0.004	1.00	
16	12	0.95	583.33	584.51	1.00	0.79	1.20	0.02	584.53	0.060	5.225	583.35	584.51	1.00	0.79	1.20	0.02	584.53	0.060	0.060	0.003	0.50	
15	12	0.43	583.86	584.83	0.97	0.17	0.55	0.10	584.93	0.000	24.988	583.99	584.26	0.27**	0.17	2.50	0.10	584.36	0.000	0.000	n/a	1.00	
14	12	0.86	583.84	584.82	0.98	0.78	1.10	0.02	584.84	0.044	5.265	583.86	584.82	0.96	0.77	1.11	0.02	584.84	0.043	0.044	0.002	0.50	
13	12	0.39	584.25	584.67	0.42	0.31	1.26	0.02	584.69	0.078	33.529	584.38	584.69	0.31	0.21	1.88	0.06	584.75	0.236	0.157	0.053	1.00	
12	12	0.69	584.22	584.58	0.36*	0.25	2.71	0.11	584.69	0.415	7.220	584.25	584.61	0.36	0.25	2.70	0.11	584.72	0.414	0.415	0.030	0.50	
11	12	1.01	584.88	585.65	0.77	0.65	1.55	0.04	585.69	0.077	24.968	584.98	585.66	0.68	0.57	1.76	0.05	585.71	0.104	0.090	0.023	1.00	
10	12	1.93	584.86	585.54	0.68*	0.57	3.37	0.18	585.72	0.379	5.280	584.88	585.57	0.69	0.57	3.36	0.18	585.74	0.378	0.378	0.020	0.50	
9	12	0.68	585.45	585.97	0.52	0.42	1.65	0.04	586.01	0.108	24.937	585.55	585.99	0.44	0.33	2.07	0.07	586.05	0.201	0.155	0.039	1.00	
8	12	1.02	585.43	585.89	0.46*	0.35	2.91	0.13	586.02	0.380	5.265	585.45	585.91	0.46	0.35	2.92	0.13	586.04	0.383	0.382	0.020	0.50	

Project File: HydraFlow.stm | Number of lines: 29 | Run Date: 2/11/2025

Notes: * depth assumed; ** Critical depth.; j-Line contains hyd. jump ; c = cir e = ellip b = box

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

Hydraulic Grade Line Computations

Line	Size	Q	Downstream								Len	Upstream								Check		JL coeff	Minor l
	(in)	(cfs)	Invert elev (ft)	HGL elev (ft)	Depth (ft)	Area (sqft)	Vel (ft/s)	Vel head (ft)	EGL elev (ft)	Sf (%)	(ft)	Invert elev (ft)	HGL elev (ft)	Depth (ft)	Area (sqft)	Vel (ft/s)	Vel head (ft)	EGL elev (ft)	Sf (%)	Ave Sf (%)	Enrgy loss (ft)	(K)	(
7	12	1.02	584.51	585.16	0.65	0.54	1.89	0.06	585.21	0.122	101.916	584.92	585.36	0.44	0.33	3.09	0.15	585.50	0.449	0.286	0.291	1.50	
6	12	0.97	584.10	585.07	0.97	0.78	1.24	0.02	585.09	0.055	101.918	584.51	585.13	0.62	0.51	1.89	0.06	585.19	0.126	0.090	0.092	0.50	
5	18	2.66	583.71	584.82	1.11	1.40	1.90	0.06	584.87	0.068	98.692	584.10	584.87	0.77	0.92	2.89	0.13	585.00	0.196	0.132	0.130	1.50	
4	18	3.41	583.33	584.51	1.18	1.49	2.29	0.08	584.59	0.098	88.483	583.71	584.57	0.86	1.05	3.25	0.16	584.74	0.229	0.163	0.144	1.50	
3	18	3.83	582.91	584.12	1.21	1.53	2.50	0.10	584.22	0.116	106.221	583.33	584.23	0.90	1.11	3.46	0.19	584.42	0.251	0.183	0.195	1.50	
2	18	4.26	582.62	583.45	0.83*	1.01	4.23	0.28	583.73	0.396	73.200	582.91	583.74	0.83	1.01	4.23	0.28	584.02	0.398	0.397	0.291	1.37	
1	18	4.61	582.50	583.39	0.89	0.99	4.22	0.33	583.72	0.000	21.560	582.62	583.44	0.82**	0.99	4.64	0.33	583.78	0.000	0.000	n/a	1.35	

Project File: HydraFlow.stm | Number of lines: 29 | Run Date: 2/11/2025

Notes: * depth assumed; ** Critical depth.; j-Line contains hyd. jump ; c = cir e = ellip b = box

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

Appendix C

Earthwork Calculations

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

Cut/Fill Report

Generated: 2025-02-11 14:39:10

By user: dlapietra

Drawing: K:\Civil\2020\20.247 1789 Dodge Road, Amherst\03 - CIVIL\DWG\K:\Civil\2020\20.247 1789 Dodge Road, Amherst\03 - CIVIL\DWG\20.247 C-200.dwg

Volume Summary

Name	Type	Cut Factor	Fill Factor	2d Area (Sq. Ft.)	Cut (Cu. Yd.)	Fill (Cu. Yd.)	Net (Cu. Yd.)
Cut & Fill Report	full	1.000	1.000	203694.40	7308.39	11743.90	4435.51<Fill>

Totals

	2d Area (Sq. Ft.)	Cut (Cu. Yd.)	Fill (Cu. Yd.)	Net (Cu. Yd.)
Total	203694.40	7308.39	11743.90	4435.51<Fill>

* Value adjusted by cut or fill factor other than 1.0

Attachment: SUB-2024-02_PP application 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

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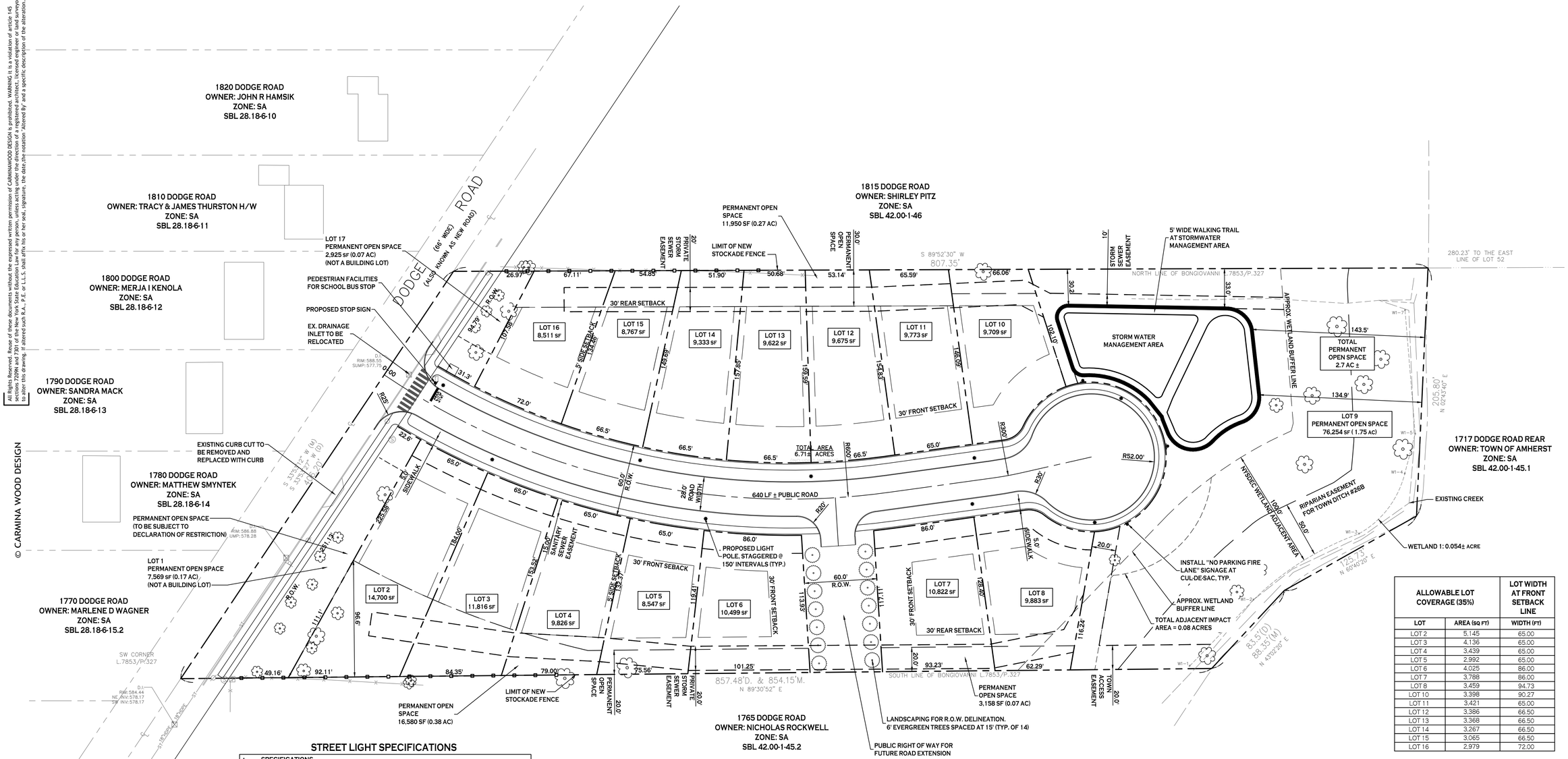


STREET LIGHT SPECIFICATIONS

A. SPECIFICATIONS
I. FIXTURE (LUMINAIRE): TOWN STANDARD TRADITIONAL POST TOP - SIGNIFY LED TOWNVIEW
A.A. MODEL NUMBER : TVPR-S3-S-16-G1-7-3W-730-A-N-R7-N-SP1-N-N-N-BKS
II. CORRELATED COLOR TEMPERATURE (CCT): 3,000K
i. FIXTURE HEIGHT: 16'
IV. DISTRIBUTION TYPE: 3 UNLESS LIGHT IS IN MEDIAN OR HAS SIMILAR APPLICATION MAY REQUIRE IN WHICH CASE 5. IF DISTRIBUTION OTHER THAN TYPE 3 IS USED, ADJUSTMENT TO MODEL NUMBER WILL BE REQUIRED.
V. WATTAGE: 35W
VI. NODE TYPE: WIRELESS LIGHTING CONTROL NODE COMPATIBLE WITH TOWN'S SYSTEM (VENDOR - VERIZON), INCLUDING INTEGRATION INTO EXISTING ASSET MANAGEMENT SYSTEM.
VII. POLES LABELED ACCORDING TO NGRID REQUIREMENTS.
VIII. SPACING: TYPICALLY, 150 FEET SPACING STAGGERED. UNLESS ROADWAY ARRANGEMENTS REQUIRE OTHERWISE. SUCH AS INTERSECTIONS OR COL-DES-SACS. POLES SHOULD BE LOCATED CENTERED BETWEEN EDGE OF ROAD AND SIDEWALK OR NO LESS THAN 3FT FROM THE EDGE OF THE ROAD. POLES SHOULD BE NO LESS THAN 10FT AWAY FROM TREES, 5 FT FROM MAILBOXES, AND 5FT FROM THE EDGE OF DRIVEWAYS.
IX. POLE TYPE: 16' NEW DIRECT BURIED TAPERED ALUMINUM POLE WITH ACCESS DOOR IN BASE OF POLE
A.A. MANUFACTURER: HAPCO (RTA16B5) (OR APPROVED EQUAL)

B. ILLUMINATION LEVEL:
i. ALL STREET LIGHTING SHALL BE DESIGNED SO THAT THE LEVEL OF ILLUMINATION, AS MEASURED IN FOOTCANDLES AT ANY ONE POINT, MEETS THE STANDARDS SET BY THE LATEST VERSION OF AMERICAN NATIONAL STANDARD'S ROADWAY LIGHTING ANSI APPROVED SPECIFICATION.
II. MINIMUM AND MAXIMUM LEVELS ARE MEASURED ON THE PAVEMENT WITHIN THE LIGHTED AREA. AVERAGE LEVEL IS THE OVERALL, GENERALIZED AMBIENT LIGHT LEVEL, AND IS MEASURED AS A NOT-TO-EXCEED VALUE. THE AVERAGE LEVEL SHALL BE CALCULATED USING ONLY THE AREA OF THE SITE INTENDED TO RECEIVE ILLUMINATION.
III. STREET LIGHTING SHALL NOT BE ORIENTED SO AS TO DIRECT GLARE OR EXCESSIVE ILLUMINATION ONTO PRIVATE PROPERTY.
IV. SUBMIT PHOTOMETRIC MODELS TO THE TOWN FOR REVIEW AND APPROVAL.

C. REQUIREMENTS:
I. REFER TO NATIONAL GRID UNDERGROUND REQUIREMENTS
II. REFER TO OTHER APPLICABLE TOWN CODES

PRELIMINARY PLAT

SCALE: 1"=40'

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 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 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.

SITE LEGEND

PROPERTY LINE
PROPOSED CONCRETE CURB
PROPOSED SIDEWALK / CONCRETE PAD
PROPOSED SIGN
PROPOSED STANDARD DUTY ASPHALT PAVEMENT
PROPOSED LIGHT POLE

NOTE: BOUNDARY AND TOPOGRAPHIC INFORMATION PROVIDED BY OTHERS, CARMINA WOOD DESIGN ASSUMES NO RESPONSIBILITY FOR ITS ACCURACY.

40' 40 0 40 80Ft.

SITE DATA (REZONED FROM SA TO R-3 ZONING)

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 R.O.W.)
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)

ALLOWABLE LOT COVERAGE (35%)		LOT WIDTH AT FRONT SETBACK LINE
LOT	AREA (SQ FT)	WIDTH (FT)
LOT 2	5,145	65.00
LOT 3	4,136	65.00
LOT 4	3,439	65.00
LOT 5	2,992	65.00
LOT 6	4,025	86.00
LOT 7	3,788	86.00
LOT 8	3,459	94.73
LOT 10	3,398	90.27
LOT 11	3,421	65.00
LOT 12	3,386	66.50
LOT 13	3,368	66.50
LOT 14	3,267	66.50
LOT 15	3,065	66.50
LOT 16	2,979	72.00

PERMANENT OPEN SPACE TABLE

LOT	AREA (SF)	AREA (AC)
LOT 1	7,569	0.17
LOT 9	76,254	1.75
LOT 17	2,925	0.07
REAR YARDS	31,688	0.72
TOTAL	118,426 SF	2.71 AC

TOWN OF AMHERST APPROVAL BOX:

CARMINAWOOD DESIGN
Buffalo | Utica | Greensboro

Single Family Subdivision

1789 Dodge Road
Amherst, New York

REVISIONS: No.	Description	Date
1	Rev. Per Town Comments	11/11/2024
2	Rev. Per Town Comments	3/20/2025
3	Rev. Per Town Comments	4/16/2025
4	Rev. Permanent Open Space	5/13/2025
5	Rev. Per Town Comments	5/23/2025

DRAWING NAME:
Preliminary Plat

Date: 01/29
Drawn By: C. W.
Scale: As No

DRAWING NO.
P-100

Project No: 20.247

Attachment: SUB-2024-02_PP drawings 062625 (30512 : SUB-2024-02, PP, 1789 Dodge Road)

TOWN OF AMHERST
PLANNING BOARD
PRELIMINARY PLAT RESOLUTION
SUB-2024-02_PP

PETITIONER

Joseph Rubino
c/o Sean Hopkins, Esq.
Hopkins Sorgi & McCarthy
35 California Dr., Suite 100
Williamsville, NY 14221

PROPERTY LOCATION

1789 Dodge Road

JUL 3 2025 AM9

WHEREAS the Town of Amherst Planning Board on Thursday, June 26, 2025 held a public hearing on a Preliminary Plat for 17-sublot subdivision on 6.7 acres for 14 single-family building lots, "Holland Heights", located at 1789 Dodge Road and

WHEREAS the Planning Board has reviewed plans and specifications for the proposed Subdivision, 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 consistent with the intent, objectives and specific requirements of the Zoning Ordinance.

2. Adequate services and utilities are or will be available prior to occupancy.

3. The Subdivision is consistent with all other applicable laws.

4. Pursuant to Local Law #3-82, as amended, the Planning Board has determined that the requirements of SEQR are complete, a Negative Declaration has been issued, and that the subject proposal is not expected to have a significant adverse effect on the environment.

5. In accordance with the Article 24 Freshwater Wetlands Regulations, the New York State Department of Environmental Conservation has determined that it has jurisdiction over the required wetlands permitting.

NOW THEREFORE BE IT RESOLVED that the Planning Board in accordance with the criteria in Chapter 204, Part 4, Section 7A denies the request for a waiver to §204-3-2-4c(5) of Town Code requiring development of the stub street to the southerly property line, because extraordinary hardship has not been proven, a motion to deny the waiver was made by Penberthy; seconded by O'Rourke and passed; ayes 5; noes 0; absent 2 (Kahn, Raffaele), and

NOW THEREFORE BE IT FURTHER RESOLVED that the Planning Board, in accordance with Section 8-7 of the Zoning Ordinance and Part III of the Subdivision Regulations denies the petitioners Preliminary Plat Application in its entirety.

Attachment: SUB-2024-02PP signed resolution 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

TOWN OF AMHERST
PLANNING BOARD
PRELIMINARY PLAT RESOLUTION
SUB-2024-02_PP

PETITIONER

Joseph Rubino

PROPERTY LOCATION

1789 Dodge Road

JUL 3 2025 AMS

The foregoing resolution was denied by the Town of Amherst Planning Board, June 26, 2025; A motion to approve the Preliminary Plat was made by O'Rourke; seconded by Davis; ayes 3; noes 2 (Gill, Penberthy); absent 2 (Kahn, Raffaele). Because the vote was lacking a majority vote of the seven members in favor the Preliminary Plat is denied.

Michael J. Chmiel, Planning Board Chair

7/2/25
Date

SM/ac
X:\Current_Planning\Files\Subdivisions\SUB-2024\SUB-2024-02_(1789_Dodge_Rd)_2024\SUB-2024-02_PP_(1789_Dodge_Rd)_2025\SUB-2024-02_PP_denial resolution_062625.doc

cc: Commissioner of Building
Town Engineer
Highway Superintendent
Fire Chiefs Council
ECDEP
Sean Hopkins, Hopkins, Sorgi & McCarthy, 35 California Dr., Suite 100, Williamsville, NY 14221
Carmina Wood Morris, Dan LaPierta, 80 Silo City Row, Buffalo, NY 14203
Joseph Rubino, 5462 Sheridan Dr., Suite 2, Williamsville, NY 14221

Approved Plan: Carmina Wood Design
Received: May 30, 2025

Attachment: SUB-2024-02PP signed resolution 062625 (30512 : SUB-2024-02_PP, 1789 Dodge Road)

Amherst Planning Board
5583 Main Street
Williamsville, NY 14221

ADOPTED

Meeting: 06/26/25 06:30 PM
Department: Planning
Category: Subdivisions & Relief from Conditions
Prepared By: Amy Carrato
Initiator: Dan Howard
Sponsors:
DOC ID: 30513 A

PLANNING BOARD ITEM (ID # 30513)

Preliminary Plat Review for a Proposed 23-Lot Subdivision of a 22 Townhome Development, SUB-2025-01_PP (Aka SP-2024-05_A)

Property located at 4774-4780 Sheridan Drive
4780 Sheridan Drive LLC, Petitioner

Proposed subdivision of 5.03 acres into 23 parcels comprised of eleven (11) 2-unit townhome buildings with attached garages (22 units) and a common area lot along with the site, utility & lighting improvements. Number of units, and layout/location of buildings, drive and stormwater management practice remain the same as the previously-approved Site Plan (SP-2024-05.)

As part of the Preliminary Plat Approval, the Planning Board is being requested to address waivers to certain subdivision standards prior to taking action on the Preliminary Plat. The requested waivers to §204 of Town Code relate to design standards for the private street include:

- §204-3-2-4(1) – not providing required sidewalks on both sides of street,
- §204-3-2-4(1) – not providing required planting strips on both sides of street,
- §204-3-2-4 G – not providing required upright curbs, and
- §204-3-2-4A(7)(e) – not continuing the property lines to the centerline of the private roadway

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

In response to the Board's questions, Mr. Hopkins explained the petitioners request or a waiver to §204 of Town Code.

Dehlia Corin, 90 Deville Circle, spoke regarding privacy, trash and drainage.

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

Following discussion, Mr. O'Rourke moved to approve the waiver to §204 of Town Code. The motion was seconded by Mr. Davis and carried. Ayes 5, Noes 0, Absent 2 (Kahn, Raffaele).

Following the approval to the waiver of Town Code, Mr. Davis moved to approve the request based on the resolution. The motion was seconded by Mr. O'Rourke and carried. Ayes 5, Noes 0, Absent 2 (Kahn, Raffaele).

ATTACHMENTS:

- SP-2024-05_A_application_062625 (PDF)
- SP-2024-05_A_drawings_062625 (PDF)
- SUB-2025-01PP signed resolution 062625 (PDF)

RESULT:	**APPROVED [UNANIMOUS]**
MOVER:	John B. Davis, Board Member
SECONDER:	Jonathan O'Rourke, Board Member
AYES:	Chmiel, Davis, Gill, Penberthy, O'Rourke
ABSENT:	Carrie H. Kahn, Joseph P. Raffaele Jr.

Preliminary Plat Application & Supporting Documentation
Address: 4780 Sheridan Drive
Applicant: 4780 Sheridan Drive LLC
Date: March 24, 2025

TOWN OF AMHERST PLANNING DEPARTMENT

Subdivision Application

For Official Use

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

Type of Subdivision Application (check one):

Sketch Plan _____
Preliminary Plat _____
Final Plat _____

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)

		Fill In Applicable Fees
Sketch Plan	**$1,150.00**	_____
Preliminary Plat		
* 1 acre or less	**$1,250.00**	$1,250
* Each additional acre or fraction thereof *(fraction to be counted as 1 acre)*	**$ 650.00/acre**	$3,250
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	_____
Minor Modification to a Subdivision Plat	$ 325.00	_____
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**	$15
Final Plat	**$ 450.00**	_____
	TOTAL FEE:	$ 4,515

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

Note: A Project Description that includes references to the supporting documentation attached to this Preliminary Plat Application is provided at Exhibit "1".

Attachment: SP-2024-05_A_application_062625 (30513 : SP-2024-05_A (Aka SUB-2025-01_PP), 4780 Sheridan Drive)

SUBDIVISION APPLICATION (con't) ***Page 2***

To Be Completed By Applicant

Petitioner: Name: 4780 Sheridan Drive LLC c/o Sean Hopkins, Esq.

Address: 35 California Road, Suite 100

Williamsville (city) NY (state) 14221 (zip code)

Phone: 716-510-4338 Fax:

E Mail: shopkins@hsmlegal.com

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

Name: Carmina Wood Design [Patrick Sheedy Jr, P.E.]

Address: 80 Silo City Row, Suite 100

Buffalo (city) NY (state) 14203 (zip code)

Phone: 716-842-3165 Fax:

E Mail: psheedy@carminawooddesign.com

Subdivision Location & Address: 4780 Sheridan Drive

Town of Amherst, Erie County, New York

Zoning District(s): R-4

Number of Proposed Sublots: 23

Proposed Subdivision Name: Park Gardens

Proposed Street Names:

Juniper Court	☐ Public	☑ Private
	☐ Public	☐ Private
	☐ Public	☐ Private
	☐ Public	☐ Private

Current Planning/Application Forms 2019/Subdivision Application Form 2019
REVISED February 2021

Attachment: SP-2024-05_A_application_062625 (30513 : SP-2024-05_A (Aka SUB-2025-01_PP), 4780 Sheridan Drive)

EXHIBIT 1

Attachment: SP-2024-05_A_application_062625 (30513 : SP-2024-05_A (Aka SUB-2025-01_PP), 4780 Sheridan Drive)

EXHIBIT 1 OF PRELIMINARY PLAT APPLICATION

4780 Sheridan Drive LLC (the "Project Sponsor") is seeking Preliminary Plat Approval in connection with its request to subdivide the parcel at 4780 Sheridan Drive (the "Project Site") into twenty-three (23) lot that will consist of twenty-two lots for residential units for sale utilizing the condominium form of ownership and one (1) lot that will consist of the Common Area. A reduced size copy of the Preliminary Plat Plan [Drawing P-100 – Date: 03/24/25] prepared by Carmina Wood Design depicting the layout of the residential project with the proposed parcels is provided at **Exhibit "2**"and a reduced size copy of the Topographic Survey of the Project Site is attached as **Exhibit "3"**. The condominium form of ownership is being utilized in connection with the project based on the requirements of the NYSDEC Brownfield Clean Up Program ("BCP"). The Project Site was accepted into the BCP on October 15, 2024. A copy of the letter issued by the NYSDEC on October 15, 2024 confirming acceptance of the Project Site into the BCP is provided at **Exhibit "4"**.

The proposed multifamily project has previously received Site Plan Approval from the Planning Board and the overall project layout remains unchanged since that time. A copy of the resolution adopted by the Planning Board on June 25, 2024 granting Site Plan Approval is provided **at Exhibit "5".** The proposed multifamily project has also been subject to two (2) environmental reviews pursuant to the State Environmental Quality Review Act ("SEQRA") conducted by the Planning Board and the Town Board.[1] A copy of the Negative Declaration issued by the Planning

[1] Pursuant to the discussion during a meeting held with the Planning Department on Friday, March 7th, the Planning Board does not need to conduct another environmental review of the previously approved project pursuant to SEQRA since the proposed subdivision will not result in any potential adverse environmental impacts that have not already been evaluated by the Planning Board.

Attachment: SP-2024-05_A_application_062625 (30513 : SP-2024-05_A (Aka SUB-2025-01_PP), 4780 Sheridan Drive)

Board on June 25, 2024 is provided at **Exhibit "6"** and a copy of the Negative Declaration issued by the Town Board pursuant to SEQRA on December 18, 2023 is provided at **Exhibit "7"**. A copy of the resolution adopted by the Town Board on February 5, 2024 approving the rezoning of the Project Site from R-3 to R-4 subject to six (6) conditions is provided at **Exhibit "8"**.[2]

A copy of the approval issued by the Zoning Enforcement Officer for the purpose of merging the parcels at 4774 and 4780 Sheridan Drive is provided at **Exhibit "10"**. The Project Site does not contain any wetlands subject to the jurisdiction of either the United States Army Corps of Engineers or the NYS Department of Environmental Conservation per the Wetland Investigation letter of Scott Livingstone of Earth Dimensions, Inc. dated December 4, 2025 provided at **Exhibit "11"**. A copy of the No Impact Determination letter issued by Josalyn Ferguson of the NYS Office of Parks, Recreation and Historic Preservation ("SHPO") dated December 14, 2018 is provided at **Exhibit "12"**.

[2] A copy of the Declaration of Restrictions recorded at the Erie County Clerk's Office pursuant to the zoning conditions imposed by the Town Board on December 18, 2023 is provided at **Exhibit "9"**.

Attachment: SP-2024-05_A_application_062625 (30513 : SP-2024-05_A (Aka SUB-2025-01_PP), 4780 Sheridan Drive)

EXHIBIT 2

Attachment: SP-2024-05_A_application_062625 (30513 : SP-2024-05_A (Aka SUB-2025-01_PP), 4780 Sheridan Drive)

© 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 sections 7209h and 7301 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,the notation "Altered By" and a specific description of the alteration.

Attachment: SP-2024-05_A_application_062625 (30513 : SP-2024-05_A (Aka SUB-2025-01_PP), 4780 Sheridan Drive)

Site Data

LOT AREA:	4.03 AC. TOTAL
ZONING:	
PROPOSED USE:	TOWNHOUSE BUILDINGS WITH ATTACHED GARAGES (23 UNITS TOTAL)

STRUCTURES (BLDG)	REQUIRED	PROPOSED
FRONT:	30FT.	30FT.
REAR	8 FT. / 20 FT. (COMBINED)	13 FT. (+/- 20 FT. (COMBINED)
SIDE:	30FT.	30 FT.
BUILDING HEIGHT:	35'	32
MIN. FLOOR AREA PER UNIT:	760 SF	> 760 SF
MAX. BUILDING COVERAGE:	35% (1.174 AC)	1.144 AC (22.7%)
MAX. BUILDING HEIGHT:	35 FT. *	< 35 FT.
PARKING: (TOT)	44	50 SURFACE / 44 GARAGE SPACES = 94 TOTAL
COVERAGE OVERALL:	1.37 AC (35%)	2.77 AC (55.2%)

*NOTE: TOWN BOARD APPROVAL CONDITION 1

PARCEL LOCATION DETAIL

PARCEL AREA: 4.03 AC. TOTAL
ZONING: PUD
PROPOSED USE: TOWNHOUSE BUILDINGS WITH ATTACHED GARAGES (23 UNITS TOTAL)

BUILDING SETBACK REQUIREMENTS

PER 64-20 PUD REQUIREMENTS
5.85'/5.9' / 2NU BUILDING
5.03 AC = 1,368.9' x 170.55'/ 5,489.9' x 67.5
17 UNITS ALLOWED

Site Data

LOT AREA:	4.03 AC. TOTAL
ZONING:	
PROPOSED USE:	TOWNHOUSE BUILDINGS WITH ATTACHED GARAGES (23 UNITS TOTAL)

LOT SIZING	REQUIRED	PROPOSED
AREA (MIN.)	5,000 SF	5,084 SF
WIDTH (MIN.)	90 FT. (THROAT)	52.15'
YARDS		
FRONT (MIN.)	30FT.	26.0 FT. *
SIDE (MIN.)	8 FT.	8.0 FT. *
SIDE (COMBINED) (MIN.)	30 FT.	30 FT.
REAR (MIN.)	30 FT.	8.0 FT. *
HEIGHT (MAX.)	35 FT.	17.0 FT.
BUILDING COVERAGE (MAX.)	35% (1,048 SF)	44.4 (1,260 SF) *
FLOOR AREA (MIN.)	760 SF / UNIT(TYP.)	> 760 SF

*NOTE: TOWN BOARD APPROVAL CONDITION 1

Typical Lot Layout

SCALE: 1"=30'

Preliminary Plat

SCALE: 1"=30'

NOTE: BOUNDARY AND TOPOGRAPHIC INFORMATION PROVIDED BY OTHERS. CARMINAWOOD DESIGN ASSUMES NO RESPONSIBILITY FOR ITS ACCURACY.

DRAWING NAME:	Preliminary Plat
DRAWING NO.	P-100
Project No:	23-4091
Date:	3/24/25
Issued By:	SP Review
Scale:	1" = 30' Or As Noted

REVISIONS:

No.	Description	Date

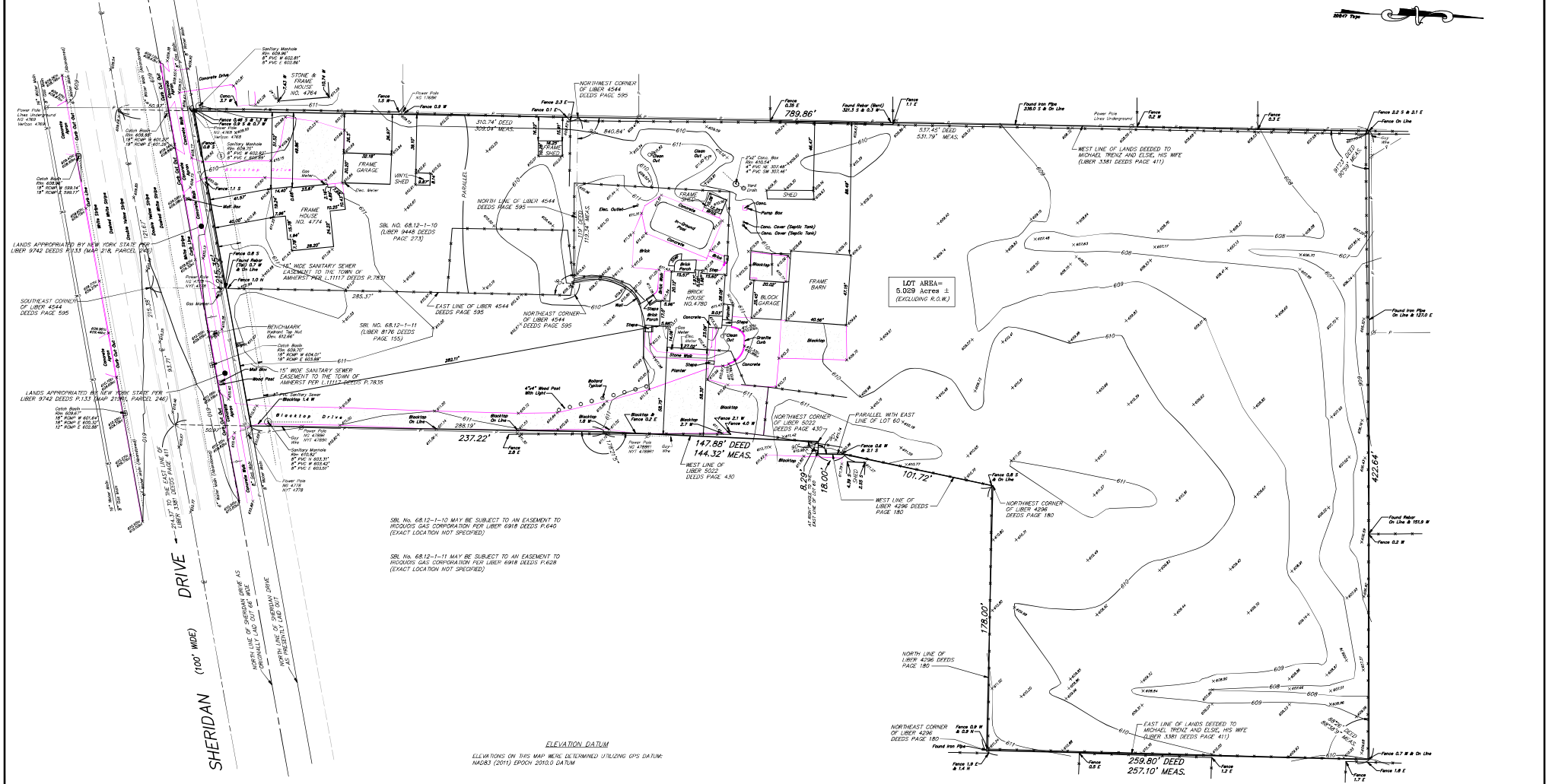
Proposed Multi-Family

4774 & 4780 Sheridan Drive
Amherst, NY

CARMINAWOOD DESIGN
Buffalo | Utica

EXHIBIT 3

Attachment: SP-2024-05_A_application_062625 (30513 : SP-2024-05_A (Aka SUB-2025-01_PP), 4780 Sheridan Drive)



ELEVATION DATUM

ELEVATIONS ON THIS MAP WERE DETERMINED UTILIZING GPS DATUM: NAD83 (2011) EPOCH 2010.0 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.

Note: Underground Utility Information has been ordered from the respective utility companies. As the information is received, this map will be amended to reflect said information.

National Fuel Attn: Ed Kulpa (716) 857-7967	Spectrum Cable Attn: Chris Smith (800) 262-8600	Verizon Attn: Mark Granschow (716) 840-8656
Erie County Water Dept. Attn: Steve Demster (716) 685-8289	N.Y.S. Electric & Gas Attn: Sam Crapsaglia (716) 651-5256	National Grid Attn: Roy Schultz (315) 428-6319

NOTE:

PARCEL (SBL NO. 68.12-1-11) IS SUBJECT TO PRIVILEGES, EASEMENTS AND RIGHTS OF WAY FOR GAS WELL, GAS HOUSE AND GAS LINE OF LINES OR WATER LINE, BY LIBER 4218 DEEDS PAGE 539, LIBER 4296 DEEDS PAGE 180 & LIBER 5022 DEEDS PAGE 430.

1 inch = 30 ft.

LEGEND

Ø	UTILITY / SERVICE POLE	R.O.W.	RIGHT OF WAY
WV	WATER LINE VALVE	CONC.	CONCRETE
FH	FIRE HYDRANT	INV.	INVERT
DI	D.I. (DROP INLET - STORM)	M.H.	MANHOLE
Ⓢ	MANHOLE (STORM)	—S—	GAS LINE
Ⓔ	MANHOLE (ELECTRIC)	—W—	WATER LINE
Ⓣ	MANHOLE (TRAFFIC)	—T—	TELEPHONE LINE
Ⓒ	MANHOLE (SANITARY)	—E—	ELECTRIC LINE
Ⓣ	MANHOLE (TELEPHONE)	—O—	UTILITY LINES
GM	GASLINE MARKER	—C—	CABLE LINES
GV	GAS LINE VALVE	D.	DEED
	LIGHT STANDARD	M.	MEASURED
	SIGN	L.	LIBER
H.C.	HANDICAP	P.	PAGE

AMEND 1-4-19: ADDED UNDERGROUND UTILITIES
AMEND 1-17-19: ADDED EASEMENTS & APPROPRIATIONS

INSTRUMENT(S) UTILIZED IN DETERMINING LOCATION OF BOUNDARY LINES: Liber 9448 Deeds Page 271, Liber 8176 Deed Page 155

NOTE: PROPERTY CORNER MONUMENTS WERE NOT PLACED AS PART OF THIS SURVEY.

THIS SURVEY MAP WAS PREPARED IN ACCORDANCE WITH THE CODE OF ETHICS AND STANDARDS OF PRACTICE ADOPTED BY THE NEW ASSOCIATION OF ERIE COUNTY BY THE MEMBERS OF Morgan Nemec of Western New York

WORKS ON: 12/2/2018

©COPYRIGHT 2018 BY:

Millard, MacKay & Delles
LAND SURVEYORS, LLP
150 AERO DRIVE
BUFFALO, NEW YORK 14225
PHONE (716) 631-5140 ~ FAX 631-3811

AMEND:
SURVEY DATE: 11-26-18
DRAWING DATE: 12-2-18
SCALE: 1" = 30'

"ALL RIGHTS RESERVED"

THIS MAP VOID UNLESS EMBOSSED WITH NEW YORK STATE LICENSED LAND SURVEYOR'S SEAL. ANY COPY OF THIS MAP OR A VIOLATION OF LAW EXCEPT AS PROVIDED FOR BY SECTION 7209, PART 2, OF THE NEW YORK STATE EDUCATION LAW.

SBL No. 68.12-1-

BOUNDARY & TOPOGRAPHIC SURVEY

PART OF LOT 60 SECTION ____ TOWNSHIP 12 RANGE 7 OF THE: Holland Land Company's SURVEY— Erie COUNTY, N.Y.

SURVEY OF: 4774 & 4780 Sheridan Drive, Town of Amherst

EXHIBIT 4

Attachment: SP-2024-05_A_application_062625 (30513 : SP-2024-05_A (Aka SUB-2025-01_PP), 4780 Sheridan Drive)

New York State Department of Environmental Conservation
Division of Environmental Remediation, 12th Floor
625 Broadway, Albany, New York 12233-7011
Phone: (518) 402-9706
Website: www.dec.ny.gov

October 15, 2024

4780 Sheridan Drive LLC
Attn: Andrew Romanowski c/o Robert Savarino
4727 Camp Road
Hamburg, NY 14075

Re: Former Gleason's Nursery
Tax Map ID No.: 68.12-1-10, 68.12-1-11
Property County: Erie
Site No.: C915407

Dear Applicant:

Your application for the above-referenced Brownfield Cleanup Program ("BCP") project has been reviewed by the New York State Department of Environmental Conservation ("Department"). I am pleased to inform you that your request is accepted. The acceptance is based upon your participation as follows:

4780 Sheridan Drive LLC is a Volunteer as defined in ECL 27-1405(1)(b). Tangible Property Tax Credit Status is described in Section II of the attached Brownfield Cleanup Agreement (BCA).

Based upon the facts and information in the application, information contained in the Department's records, and a timely return of the signed BCA, the Department is prepared to execute a BCA for the above-described property. Attached is an electronic BCA. Please have an authorized representative sign where indicated and return via email to Andrew.Guglielmi@dec.ny.gov and copying David.Harrington@dec.ny.gov and Cassandra.VanDyke@dec.ny.gov. Please include up to date documentation from corporate organizational papers, a Corporate Resolution, or an Operating Agreement or Resolution for an LLC showing the authority to bind the corporation. The BCA shall not be effective until it is fully executed by the parties. A reassessment of eligibility may result in a denial of the application if there are any changes to material facts and information before the BCA is fully executed. **Please note, if the BCA is not signed and returned to the Department within 60 days, the Department will consider the Application withdrawn and the offer to enter the BCP will be deemed rescinded.**

Upon submission of an executed BCA to the Department, you are required to pay a non-refundable program fee of $50,000. A check must be made payable to the NYS Department of Environmental Conservation and mailed to the following:

Attachment: SP-2024-05_A_application_062625 (30513 : SP-2024-05_A (Aka SUB-2025-01_PP), 4780 Sheridan Drive)

NYS Department of Environmental Conservation
Division of Management & Budget, 10th Floor
625 Broadway
Albany New York 12233-4900

Please include a copy of this letter with the check, as well as the following in the memo field: BCP Application Fee Site No. C915407.

The Department will not execute the BCA until the program fee is paid. Questions regarding payment should be directed to the Bureau of Revenue Accounting at (518) 402-9362, or e-mailed to revenue@dec.ny.gov.

The Department looks forward to working with you on this project. The Department's project manager will assist you in completing your project. You can arrange a meeting to discuss the program's requirements and work plan. The work plan will determine the scope of work to be conducted and completed. You may contact the Department's project team as set forth in Section IV of the attached draft BCA to discuss the next steps.

Sincerely,

Andrew Guglielmi

Andrew O. Guglielmi, Director
Division of Environmental Remediation

Enclosures:

Department's Copies:
ec: David Harrington
Benjamin McPherson
Andrea Caprio
Jennifer Andaloro
Kelly Lewandowski
Nicole Morgan
Joshua Vaccaro
Gregory Scholand

Applicant's Copies:
ec: Andrew Romanowski c/o Robert Savarino (robert.savarino@ccim.net)
Michael J. Hecker (mhecker@hodgsonruss.com)
Mike Lesakowski (mlesakowski@rouxinc.com)

Attachment: SP-2024-05_A_application_062625 (30513 : SP-2024-05_A (Aka SUB-2025-01_PP), 4780 Sheridan Drive)

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
BROWNFIELD CLEANUP PROGRAM
ECL §27-1401 *et seq.*

In the Matter of a Remedial Program for

BROWNFIELD SITE CLEANUP AGREEMENT
Index No. C915407-10-24

Former Gleason's Nursery
DEC Site No: C915407
Located at: 4774 & 4780 Sheridan Drive
Erie County
Amherst, NY 14221

Hereinafter referred to as "Site"

by:

4780 Sheridan Drive LLC
4727 Camp Road, Hamburg, NY 14075

Hereinafter referred to as "Applicant"

WHEREAS, the Department of Environmental Conservation ("Department") is authorized to administer the Brownfield Cleanup Program ("BCP") set forth in Article 27, Title 14 of the Environmental Conservation Law ("ECL"); and

WHEREAS, the Applicant submitted an application received by the Department on June 21, 2024; and

WHEREAS, the Department has determined that the Site and Applicant are eligible to participate in the BCP.

NOW, THEREFORE, IN CONSIDERATION OF AND IN EXCHANGE FOR THE MUTUAL COVENANTS AND PROMISES, THE PARTIES AGREE TO THE FOLLOWING:

I. Applicant Status

The Applicant, 4780 Sheridan Drive LLC, is participating in the BCP as a Volunteer as defined in ECL 27-1405(1)(b).

II. Tangible Property Tax Credit Status

The Site is not located in a city having a population of one million or more. It is therefore presumed that the Site is eligible for tangible property tax credits.

Attachment: SP-2024-05_A_application_062625 (30513 : SP-2024-05_A (Aka SUB-2025-01_PP), 4780 Sheridan Drive)

III. Real Property

The Site subject to this Brownfield Cleanup Agreement (the "BCA" or "Agreement") consists of approximately 5.080 acres, a Map of which is attached as Exhibit "A", and is described as follows:

Tax Map/Parcel No.: 68.12-1-10
Street Address: 4774 Sheridan Drive, Amherst
Owner: Rudolph Gleason and Greta Gleason

Tax Map/Parcel No.: 68.12-1-11
Street Address: 4780 Sheridan Drive, Amherst
Owner: Rudolph Gleason and Greta Gleason

IV. Communications

A. All written communications required by this Agreement shall be transmitted by United States Postal Service, by private courier service, by hand delivery, or by electronic mail.

1. Communication from Applicant shall be sent to:

Joshua Vaccaro
New York State Department of Environmental Conservation
Division of Environmental Remediation
700 Delaware Ave
Buffalo, NY 14209-2202
joshua.vaccaro@dec.ny.gov

Note: one hard copy (unbound) of work plans and reports is required, as well as one electronic copy.

Christine Vooris (electronic copy only)
New York State Department of Health
Bureau of Environmental Exposure Investigation
Empire State Plaza
Corning Tower Room 1787
Albany, NY 12237
christine.vooris@health.ny.gov

Gregory Scholand, Esq. (correspondence only)
New York State Department of Environmental Conservation
Office of General Counsel
700 Delaware Ave
Buffalo, NY 14209
gregory.scholand@dec.ny.gov

Attachment: SP-2024-05_A_application_062625 (30513 : SP-2024-05_A (Aka SUB-2025-01_PP), 4780 Sheridan Drive)

2. Communication from the Department to Applicant shall be sent to:

4780 Sheridan Drive LLC
Attn: Andrew Romanowski c/o Robert Savarino
4727 Camp Road
Hamburg, NY 14075
robert.savarino@ccim.net

B. The Department and Applicant reserve the right to designate additional or different addressees for communication on written notice to the other. Additionally, the Department reserves the right to request that the Applicant provide more than one paper copy of any work plan or report.

C. Each party shall notify the other within ninety (90) days after any change in the addresses listed in this paragraph or in Paragraph III.

V. Miscellaneous

A. Applicant acknowledges that it has read, understands, and agrees to abide by all the terms set forth in Appendix A - "Standard Clauses for All New York State Brownfield Site Cleanup Agreements" which is attached to and hereby made a part of this Agreement as if set forth fully herein.

B. In the event of a conflict between the terms of this BCA (including any and all attachments thereto and amendments thereof) and the terms of Appendix A, the terms of this BCA shall control.

C. Applicant has indicated to the Department that the Site, which currently comprises two tax parcels, will be subdivided into 22 tax parcels so that each dwelling unit within the proposed residential development will be located on its own tax parcel containing one dwelling unit and typical single-family residential amenities (e.g., greenspace and driveway). As a result, the Department recommends that the Applicant remediate the Site to a BCP Track 1 standard due to the anticipated difficulties of administering institutional and/or engineering controls on the Site if it is divided into numerous tax parcels with different residential owners.

D. The effective date of this Agreement is the date it is signed by the Commissioner or the Commissioner's designee.

Attachment: SP-2024-05_A_application_062625 (30513 : SP-2024-05_A (Aka SUB-2025-01_PP), 4780 Sheridan Drive)

DATED:

THIS BROWNFIELD CLEANUP AGREEMENT IS HEREBY APPROVED, Acting by and through the Department of Environmental Conservation as Designee of the Commissioner,

By: _____

Andrew O. Guglielmi, Director
Division of Environmental Remediation

Attachment: SP-2024-05_A_application_062625 (30513 : SP-2024-05_A (Aka SUB-2025-01_PP), 4780 Sheridan Drive)

CONSENT BY APPLICANT

Applicant hereby consents to the issuing and entering of this Agreement, and agrees to be bound by this Agreement.

4780 Sheridan Drive LLC

By:_____

Title:_____

Date:_____

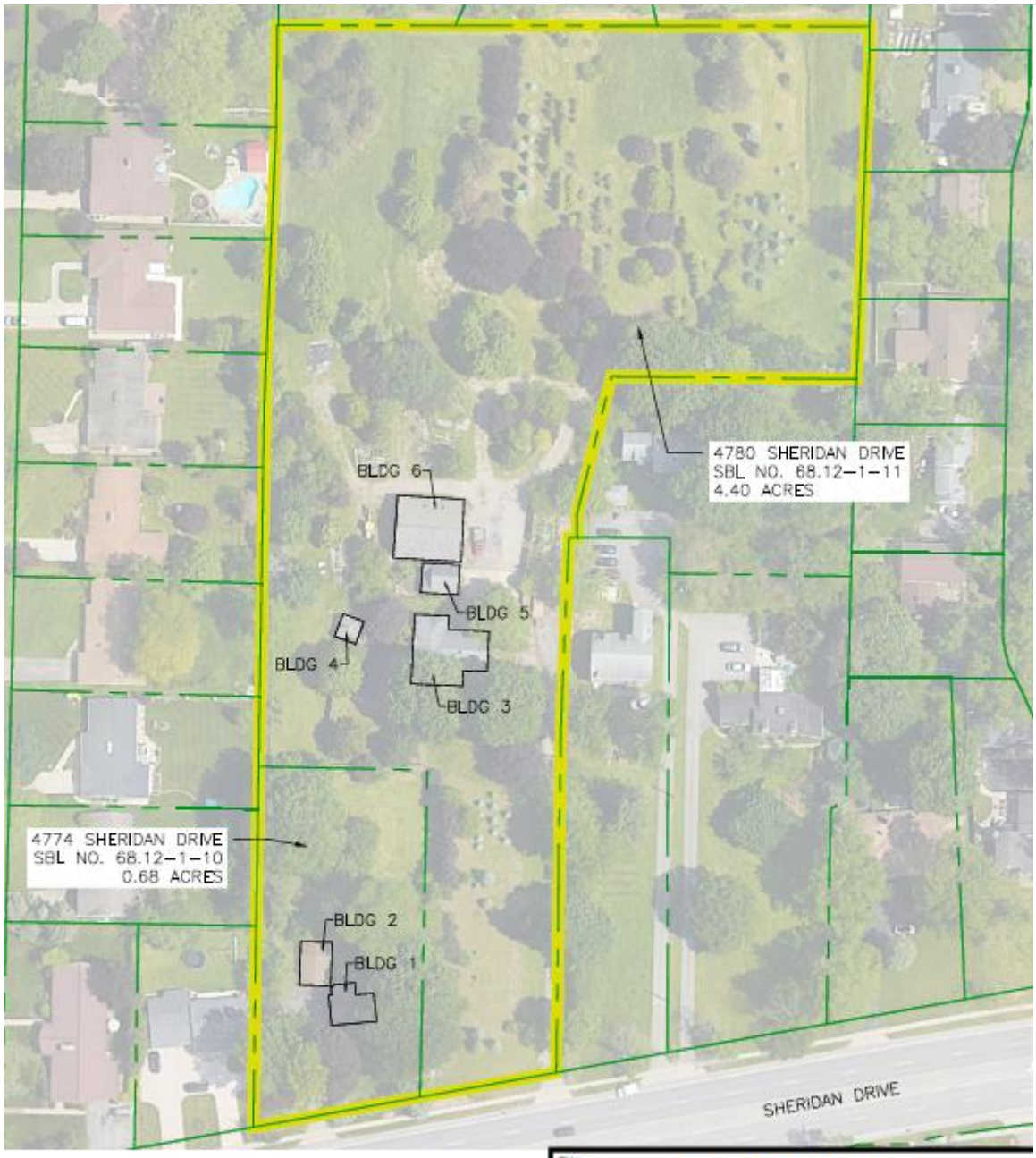
STATE OF NEW YORK)
) ss:
COUNTY OF)

On the _____ day of _____ in the year 20___, before me, the undersigned, personally appeared _____, personally known to me or proved to me on the basis of satisfactory evidence to be the individual(s) whose name is (are) subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their capacity(ies), and that by his/her/their signature(s) on the instrument, the individual(s), or the person upon behalf of which the individual(s) acted, executed the instrument.

_____
Signature and Office of individual
taking acknowledgment

Attachment: SP-2024-05_A_application_062625 (30513 : SP-2024-05_A (Aka SUB-2025-01_PP), 4780 Sheridan Drive)

EXHIBIT A
SITE MAP



Attachment: SP-2024-05_A_application_062625 (30513 : SP-2024-05_A (Aka SUB-2025-01_PP), 4780 Sheridan Drive)

APPENDIX A

STANDARD CLAUSES FOR ALL NEW YORK STATE BROWNFIELD SITE CLEANUP AGREEMENTS

The parties to the Brownfield Site Cleanup Agreement (hereinafter "BCA" or "Agreement") agree to be bound by the following clauses which are hereby made a part of the BCA. The word "Applicant" herein refers to any party to the Agreement, other than the New York State Department of Environmental Conservation (herein after "Department").

I. Citizen Participation Plan

Within twenty (20) days after the effective date of this Agreement, Applicant shall submit for review and approval a written citizen participation plan prepared in accordance with the requirements of Environmental Conservation Law (ECL) § 27-1417 and 6 NYCRR §§ 375-1.10 and 375-3.10. Upon approval, the Citizen Participation Plan shall be deemed to be incorporated into and made a part of this Agreement.

II. Development, Performance, and Reporting of Work Plans

A. Work Plan Requirements

The work plans ("Work Plan" or "Work Plans") under this Agreement shall be prepared and implemented in accordance with the requirements of ECL Article 27, Title 14, 6 NYCRR §§ 375-1.6(a) and 375-3.6, and all applicable laws, rules, regulations, and guidance documents. The Work Plans shall be captioned as follows:

1. "Remedial Investigation Work Plan" if the Work Plan provides for the investigation of the nature and extent of contamination within the boundaries of the Site and, if the Applicant is a "Participant", the extent of contamination emanating from such Site. If the Applicant is a "Volunteer" it shall perform a qualitative exposure assessment of the contamination emanating from the Site in accordance with ECL § 27-1415(2)(b) and Department guidance;

2. "Remedial Work Plan" if the Work Plan provides for the development and implementation of a Remedial Program for contamination within the boundaries of the Site and, if the Applicant is a "Participant", the contamination that has emanated from such Site;

3. "IRM Work Plan" if the Work Plan provides for an interim remedial measure; or

4. "Site Management Plan" if the Work Plan provides for the identification and implementation of institutional and/or engineering controls as well as any necessary monitoring and/or operation and maintenance of the remedy.

5. "Supplemental" if additional work plans other than those set forth in II.A.1-4 are required to be prepared and implemented.

B. Submission/Implementation of Work Plans

1. The first proposed Work Plan to be submitted under this Agreement shall be submitted no later than thirty (30) days after the effective date of this Agreement. Thereafter, the Applicant shall submit such other and additional work plans as determined in a schedule to be approved by the Department.

2. Any proposed Work Plan shall be submitted for the Department's review and approval and shall include, at a minimum, a chronological description of the anticipated activities to be conducted in accordance with current guidance, a schedule for performance of those activities, and sufficient detail to allow the Department to evaluate that Work Plan. The Department shall use best efforts in accordance with 6 NYCRR § 375-3.6(b) to approve, modify, or reject a proposed Work Plan within forty-five (45) days from its receipt or within fifteen (15) days from the close of the comment period, if applicable, whichever is later.

i. Upon the Department's written approval of a Work Plan, such Department-approved Work Plan shall be deemed to be incorporated into and made a part of this Agreement and shall be implemented in accordance with the schedule contained therein. All work undertaken as part of a remedial

Attachment: SP-2024-05_A_application_062625 (30513 : SP-2024-05_A (Aka SUB-2025-01_PP), 4780 Sheridan Drive)

program for a Site must be detailed in a department-approved Work Plan or a submittal approved in form and content by the Department.

ii. If the Department requires modification of a Work Plan, the reason for such modification shall be provided in writing and the provisions of 6 NYCRR § 375-1.6(d)(3) shall apply.

iii. If the Department disapproves a Work Plan, the reason for such disapproval shall be provided in writing and the provisions of 6 NYCRR § 375-1.6(d)(4) shall apply.

3. A Site Management Plan, if necessary, shall be submitted in accordance with the schedule set forth in the IRM Work Plan or Remedial Work Plan.

C. Submission of Final Reports

1. In accordance with the schedule contained in an approved Work Plan, Applicant shall submit a Final Report for an Investigation Work Plan prepared in accordance with ECL § 27-1411(1) and 6 NYCRR § 375-1.6. If such Final Report concludes that no remediation is necessary, and the Site does not meet the requirements for Track 1, Applicant shall submit an Alternatives Analysis prepared in accordance with ECL § 27-1413 and 6 NYCRR § 375-3.8(f) that supports such determination.

2. In accordance with the schedule contained in an approved Work Plan, Applicant shall submit a Final Engineering Report certifying that remediation of the Site has been performed in accordance with the requirements of ECL §§ 27-1419(1) and (2) and 6 NYCRR § 375-1.6. The Department shall review such Report, the submittals made pursuant to this Agreement, and any other relevant information regarding the Site and make a determination as to whether the goals of the remedial program have been or will be achieved in accordance with established timeframes; if so, a written Certificate of Completion will be issued in accordance with ECL § 27-1419, 6 NYCRR §§ 375-1.9 and 375-3.9.

3. Within sixty (60) days of the Department's approval of a Final Report, Applicant shall submit such additional Work Plans as it proposes to implement.In addition, Applicant shall include with every report submitted to the Department a schedule for the submission of any subsequent work plan required to meet the requirements of ECL Article 27 Title 14. Failure to submit any additional Work Plans within such period shall, unless other Work Plans are under review by the Department or being implemented by Applicant, result in the termination of this Agreement pursuant to Paragraph XII.

D. Review of Submittals other than Work Plans

1. The Department shall timely notify Applicant in writing of its approval or disapproval of each submittal other than a Work Plan in accordance with 6 NYCRR § 375-1.6. All Department-approved submittals shall be incorporated into and become an enforceable part of this Agreement.

2. If the Department disapproves a submittal covered by this Subparagraph, it shall specify the reason for its disapproval and may request Applicant to modify or expand the submittal. Within fifteen (15) days after receiving written notice that Applicant's submittal has been disapproved, Applicant shall elect in writing to either (i) modify or expand it within thirty (30) days of receipt of the written notice of disapproval; (ii) complete any other Department-approved Work Plan(s); (iii) invoke dispute resolution pursuant to Paragraph XIII; or (iv) terminate this Agreement pursuant to Paragraph XII. If Applicant submits a revised submittal and it is disapproved, the Department and Applicant may pursue whatever remedies may be available under this Agreement or under law. All work undertaken as part of a remedial program, including work undertaken pursuant to submittals other than Work Plans, must be approved by the department prior to implementation by the Applicant.

E. Department's Determination of Need for Remediation

The Department shall determine upon its approval of each Final Report dealing with the investigation of the Site whether remediation, or additional remediation as the case may be, is needed for protection of public health and the environment.

1. If the Department makes a preliminary determination that remediation, or additional remediation, is not needed for protection of public health and the environment, the Department shall notify the public of such

Attachment: SP-2024-05_A_application_062625 (30513 : SP-2024-05_A (Aka SUB-2025-01_PP), 4780 Sheridan Drive)

determination and seek public comment in accordance with ECL § 27-1417(3)(f). The Department shall provide timely notification to the Applicant of its final determination following the close of the public comment period.

2. If the Department determines that additional remediation is not needed and such determination is based upon use restrictions, Applicant shall cause to be recorded an Environmental Easement in accordance with 6 NYCRR § 375-1.8(h).

3. If the Department determines that remediation, or additional remediation, is needed, Applicant may elect to submit for review and approval a proposed Remedial Work Plan (or modify an existing Work Plan for the Site) for a remedy selected upon due consideration of the factors set forth in ECL § 27-1415(3) and 6 NYCRR § 375-1.8(f). A proposed Remedial Work Plan addressing the Site's remediation will be noticed for public comment in accordance with ECL § 27-1417(3)(f) and the Citizen Participation Plan developed pursuant to this Agreement. If the Department determines following the close of the public comment period that modifications to the proposed Remedial Work Plan are needed, Applicant agrees to negotiate appropriate modifications to such Work Plan. If Applicant elects not to develop a Work Plan under this Subparagraph then this Agreement shall terminate in accordance with Paragraph XII. If the Applicant elects to develop a Work Plan, then it will be reviewed in accordance with Paragraph II.D above.

F. Institutional/Engineering Control Certification

In the event that the remedy for the Site, if any, or any Work Plan for the Site, requires institutional or engineering controls, Applicant shall submit a written certification in accordance with 6 NYCRR §§ 375-1.8(h)(3) and 375-3.8(h)(2).

III. Enforcement

Except as provided in Paragraph V, this Agreement shall be enforceable as a contractual agreement under the laws of the State of New York. Applicant shall not suffer any penalty except as provided in Paragraph V, or be subject to any proceeding or action if it cannot comply with any requirement of this Agreement as a result of a Force Majeure Event as described at 6 NYCRR § 375-1.5(b)(4) provided Applicant complies with the requirements set forth therein.

IV. Entry upon Site

A. Applicant hereby agrees to provide access to the Site and to all relevant information regarding activities at the Site in accordance with the provisions of ECL § 27-1431. Applicant agrees to provide the Department upon request with proof of access if it is not the owner of the Site.

B. The Department shall have the right to periodically inspect the Site to ensure that the use of the property complies with the terms and conditions of this Agreement. The Department will generally conduct such inspections during business hours, but retains the right to inspect at any time.

C. Failure to provide access as provided for under this Paragraph may result in termination of this Agreement pursuant to Paragraph XII.

V. Payment of State Costs (Applicable only to Applicants with Participant Status)

A. Within forty-five (45) days after receipt of an itemized invoice from the Department, Applicant shall pay to the Department a sum of money which shall represent reimbursement for State Costs as provided by 6 NYCRR § 375-1.5 (b)(3)(i).

B. Costs shall be documented as provided by 6 NYCRR § 375-1.5(b)(3)(ii). The Department shall not be required to provide any other documentation of costs, provided however, that the Department's records shall be available consistent with, and in accordance with, Article 6 of the Public Officers Law.

C. Each such payment shall be made payable to the "Commissioner of NYSDEC" and shall be sent to:

Division of Management and Budget
New York State Department of Environmental Conservation
625 Broadway, 10th Floor
Albany, New York 12233-4900

Attachment: SP-2024-05_A_application_062625 (30513 : SP-2024-05_A (Aka SUB-2025-01_PP), 4780 Sheridan Drive)

D. Each party shall provide written notification to the other within ninety (90) days of any change in the foregoing addresses.

E. If Applicant objects to any invoiced costs under this Agreement, the provisions of 6 NYCRR §§ 375-1.5 (b)(3)(v) and (vi) shall apply. Objections shall be sent to the Department as provided under subparagraph V.C above.

F. In the event of non-payment of any invoice within the 45 days provided herein, the Department may seek enforcement of this provision pursuant to Paragraph III or the Department may commence an enforcement action for non-compliance with ECL § 27-1409(2) and ECL § 71-4003.

VI. Liability Limitation

Subsequent to the issuance of a Certificate of Completion pursuant to this Agreement, Applicant shall be entitled to the Liability Limitation set forth at ECL § 27-1421, subject to the terms and conditions stated therein and to the provisions of 6 NYCRR §§ 375-1.9 and 375-3.9.

VII. Reservation of Rights

A. Except as provided in Subparagraph VII.B, Applicant reserves all rights and defenses under applicable law to contest, defend against, dispute, or disprove any action, proceeding, allegation, assertion, determination, or order of the Department, including any assertion of remedial liability by the Department against Applicant, and further reserves all rights including the rights to notice, to be heard, to appeal, and to any other due process respecting any action or proceeding by the Department, including the enforcement of this Agreement. The existence of this Agreement or Applicant's compliance with it shall not be construed as an admission of any liability, fault, wrongdoing, or violation of law by Applicant, and shall not give rise to any presumption of law or finding of fact which shall inure to the benefit of any third party.

B. Notwithstanding the foregoing, Applicant hereby waives any right it may have to make a claim pursuant to Article 12 of the Navigation Law with respect to the Site and releases the State and the New York Environmental Protection and Spill Compensation Fund from any and all legal or equitable claims, suits, causes of action, or demands whatsoever with respect to the Site that Applicant may have as a result of Applicant's entering into or fulfilling the terms of this Agreement.

VIII. Indemnification

Applicant shall indemnify and hold the Department, the State of New York, and their representatives and employees harmless from any claim, suit, action, and cost of every name and description arising out of or resulting from the fulfillment or attempted fulfillment of this Agreement by Applicant prior to the Termination Date except for those claims, suits, actions, and costs arising from the State's gross negligence or willful or intentional misconduct by the Department, the State of New York, and/or their representatives and employees during the course of any activities conducted pursuant to this Agreement. In the event that the Applicant is a Participant, this provision shall also include the Trustee of the State's Natural Resources. The Department shall provide Applicant with written notice no less than thirty (30) days prior to commencing a lawsuit seeking indemnification pursuant to this Paragraph.

IX. Change of Use

Applicant shall notify the Department at least sixty (60) days in advance of any change of use, as defined in ECL § 27-1425, which is proposed for the Site, in accordance with the provisions of 6 NYCRR § 375-1.11(d). In the event the Department determines that the proposed change of use is prohibited, the Department shall notify Applicant of such determination within forty-five (45) days of receipt of such notice.

X. Environmental Easement

A. Within thirty (30) days after the Department's approval of a Remedial Work Plan which relies upon one or more institutional and/or engineering controls, or within sixty (60) days after the Department's determination pursuant to Subparagraph II.E.2 that additional remediation is not needed based upon use restrictions, Applicant shall submit to the Department for approval an Environmental Easement to run with the land in favor of the State which complies with the requirements of ECL Article 71, Title 36 and 6 NYCRR § 375-1.8(h)(2). Applicant shall cause such instrument to be recorded with the recording officer for the county in which the Site is located within thirty (30) days after the Department's

Attachment: SP-2024-05_A_application_062625 (30513 : SP-2024-05_A (Aka SUB-2025-01_PP), 4780 Sheridan Drive)

approval of such instrument. Applicant shall provide the Department with a copy of such instrument certified by the recording officer to be a true and faithful copy within thirty (30) days of such recording (or such longer period of time as may be required to obtain a certified copy provided Applicant advises the Department of the status of its efforts to obtain same within such thirty (30) day period), which shall be deemed to be incorporated into this Agreement.

B. Applicant or the owner of the Site may petition the Department to modify or extinguish the Environmental Easement filed pursuant to this Agreement at such time as it can certify that the Site is protective of public health and the environment without reliance upon the restrictions set forth in such instrument. Such certification shall be made by a Professional Engineer or Qualified Environmental Professional as defined at 6 NYCRR § 375-1.2(ak) approved by the Department. The Department will not unreasonably withhold its consent.

XI. Progress Reports

Applicant shall submit a written progress report of its actions under this Agreement to the parties identified in Subparagraph III.A.1 of the Agreement by the 10th day of each month commencing with the month subsequent to the approval of the first Work Plan and ending with the Termination Date, unless a different frequency is set forth in a Work Plan. Such reports shall, at a minimum, include: all actions relative to the Site during the previous reporting period and those anticipated for the next reporting period; all approved activity modifications (changes of work scope and/or schedule); all results of sampling and tests and all other data received or generated by or on behalf of Applicant in connection with this Site, whether under this Agreement or otherwise, in the previous reporting period, including quality assurance/quality control information; information regarding percentage of completion; unresolved delays encountered or anticipated that may affect the future schedule and efforts made to mitigate such delays; and information regarding activities undertaken in support of the Citizen Participation Plan during the previous reporting period and those anticipated for the next reporting period.

XII. Termination of Agreement

Applicant or the Department may terminate this Agreement consistent with the provisions of 6 NYCRR §§ 375-3.5(b), (c), and (d) by providing written notification to the parties listed in Paragraph IV of the Agreement.

XIII. Dispute Resolution

A. In the event disputes arise under this Agreement, Applicant may, within fifteen (15) days after Applicant knew or should have known of the facts which are the basis of the dispute, initiate dispute resolution in accordance with the provisions of 6 NYCRR § 375-1.5(b)(2).

B. All cost incurred by the Department associated with dispute resolution are State costs subject to reimbursement pursuant to Paragraph V of Appendix A of this Agreement, if applicable.

C. Notwithstanding any other rights otherwise authorized in law or equity, any disputes pursuant to this Agreement shall be limited to Departmental decisions on remedial activities. In no event shall such dispute authorize a challenge to the applicable statute or regulation.

XIV. Miscellaneous

A. If the information provided and any certifications made by Applicant are not materially accurate and complete, this Agreement, except with respect to Applicant's obligations pursuant to Paragraphs V, if applicable, and VII.B, and VIII, shall be null and void ab initio fifteen (15) days after the Department's notification of such inaccuracy or incompleteness or fifteen (15) days after issuance of a final decision resolving a dispute pursuant to Paragraph XIII, whichever is later, unless Applicant submits information within that fifteen (15) day time period indicating that the information provided and the certifications made were materially accurate and complete. In the event this Agreement is rendered null and void, any Certificate of Completion and/or Liability Limitation that may have been issued or may have arisen under this Agreement shall also be null and void ab initio, and the Department shall reserve all rights that it may have under law.

B. By entering into this Agreement, Applicant agrees to comply with and be bound by the provisions of 6 NYCRR §§ 375-1, 375-3 and 375-6; the provisions of such subparts that are referenced herein are referenced for clarity and convenience only and the failure of this

Attachment: SP-2024-05_A_application_062625 (30513 : SP-2024-05_A (Aka SUB-2025-01_PP), 4780 Sheridan Drive)

Agreement to specifically reference any particular regulatory provision is not intended to imply that such provision is not applicable to activities performed under this Agreement.

C. The Department may exempt Applicant from the requirement to obtain any state or local permit or other authorization for any activity conducted pursuant to this Agreement in accordance with 6 NYCRR §§ 375-1.12(b), (c), and (d).

D. 1. Applicant shall use "best efforts" to obtain all Site access, permits, easements, approvals, institutional controls, and/or authorizations necessary to perform Applicant's obligations under this Agreement, including all Department-approved Work Plans and the schedules contained therein. If, despite Applicant's best efforts, any access, permits, easements, approvals, institutional controls, or authorizations cannot be obtained, Applicant shall promptly notify the Department and include a summary of the steps taken. The Department may, as it deems appropriate and within its authority, assist Applicant in obtaining same.

2. If an interest in property is needed to implement an institutional control required by a Work Plan and such interest cannot be obtained, the Department may require Applicant to modify the Work Plan pursuant to 6 NYCRR § 375-1.6(d)(3) to reflect changes necessitated by Applicant's inability to obtain such interest.

E. The paragraph headings set forth in this Agreement are included for convenience of reference only and shall be disregarded in the construction and interpretation of any provisions of this Agreement.

F. 1. The terms of this Agreement shall constitute the complete and entire agreement between the Department and Applicant concerning the implementation of the activities required by this Agreement. No term, condition, understanding, or agreement purporting to modify or vary any term of this Agreement shall be binding unless made in writing and subscribed by the party to be bound. No informal advice, guidance, suggestion, or comment by the Department shall be construed as relieving Applicant of its obligation to obtain such formal approvals as may be required by this Agreement. In the event of a conflict between the terms of this Agreement and any Work Plan submitted pursuant to this Agreement, the terms of this Agreement shall control over the terms of the Work Plan(s). Applicant consents to and agrees not to contest the authority and jurisdiction of the Department to enter into or enforce this Agreement.

2. i. Except as set forth herein, if Applicant desires that any provision of this Agreement be changed, Applicant shall make timely written application to the Commissioner with copies to the parties in Subparagraph IV.A.1 of the Agreement.

ii. If Applicant seeks to modify an approved Work Plan, a written request shall be made to the Department's project manager, with copies to the parties listed in Subparagraph IV.A.1 of the Agreement.

iii. Requests for a change to a time frame set forth in this Agreement shall be made in writing to the Department's project attorney and project manager; such requests shall not be unreasonably denied and a written response to such requests shall be sent to Applicant promptly.

G. 1. If there are multiple parties signing this Agreement, the term "Applicant" shall be read in the plural, the obligations of each such party under this Agreement are joint and several, and the insolvency of or failure by any Applicant to implement any obligations under this Agreement shall not affect the obligations of the remaining Applicant(s) under this Agreement.

2. If Applicant is a partnership, the obligations of all general partners (including limited partners who act as general partners) under this Agreement are joint and several and the insolvency or failure of any general partner to implement any obligations under this Agreement shall not affect the obligations of the remaining partner(s) under this Agreement.

3. Notwithstanding the foregoing Subparagraphs XIV.G.1 and 2, if multiple parties sign this Agreement as Applicants but not all of the signing parties elect to implement a Work Plan, all Applicants are jointly and severally liable for each and every obligation under this Agreement through the completion of activities in such Work Plan that all such parties consented to; thereafter, only those Applicants electing to perform additional work shall be jointly and severally liable under this Agreement for the

Attachment: SP-2024-05_A_application_062625 (30513 : SP-2024-05_A (Aka SUB-2025-01_PP), 4780 Sheridan Drive)

obligations and activities under such additional Work Plan(s). The parties electing not to implement the additional Work Plan(s) shall have no obligations under this Agreement relative to the activities set forth in such Work Plan(s). Further, only those Applicants electing to implement such additional Work Plan(s) shall be eligible to receive the Liability Limitation referenced in Paragraph VI.

4. Any change to parties pursuant to this Agreement, including successors and assigns through acquisition of title, is subject to approval by the Department, after submittal of an application acceptable to the Department.

H. Applicant shall be entitled to receive contribution protection and/or to seek contribution to the extent authorized by ECL § 27-1421(6) and 6 NYCRR § 375-1.5(b)(5).

I. Applicant shall not be considered an operator of the Site solely by virtue of having executed and/or implemented this Agreement.

J. Applicant and Applicant's agents, grantees, lessees, sublessees, successors, and assigns shall be bound by this Agreement. Any change in ownership of Applicant including, but not limited to, any transfer of assets or real or personal property, shall in no way alter Applicant's responsibilities under this Agreement.

K. Unless otherwise expressly provided herein, terms used in this Agreement which are defined in ECL Article 27 or in regulations promulgated thereunder shall have the meaning assigned to them under said statute or regulations.

L. Applicant's obligations under this Agreement shall not be deemed to constitute any type of fine or penalty.

M. In accordance with 6 NYCRR § 375-1.6(a)(4), the Department shall be notified at least 7 days in advance of, and be allowed to attend, any field activities to be conducted under a Department approved work plan, as well as any pre-bid meetings, job progress meetings, substantial completion meeting and inspection, and final inspection and meeting; provided, however that the Department may be excluded from portions of meetings where privileged matters are discussed.

N. In accordance with 6 NYCRR § 375-1.11(a), all work plans; reports, including all attachments and appendices, and certifications, submitted by a remedial party shall be submitted in print, as well as in an electronic format acceptable to the Department.

O. This Agreement may be executed for the convenience of the parties hereto, individually or in combination, in one or more counterparts, each of which shall be deemed to have the status of an executed original and all of which shall together constitute one and the same.

Attachment: SP-2024-05_A_application_062625 (30513 : SP-2024-05_A (Aka SUB-2025-01_PP), 4780 Sheridan Drive)

EXHIBIT 5

Attachment: SP-2024-05_A_application_062625 (30513 : SP-2024-05_A (Aka SUB-2025-01_PP), 4780 Sheridan Drive)

TOWN OF AMHERST
PLANNING BOARD
SITE PLAN RESOLUTION
SP-2024-05

PETITIONER

4780 Sheridan Drive, LLC
c/o Sean Hopkins, Esq.
5500 Main Street, Suite 343
Williamsville, NY 14221

PROPERTY LOCATION

4774 & 4780 Sheridan Drive

JUN 28 2024 PM12

WHEREAS, the Town of Amherst Planning Board on Tuesday, June 25, 2024 held a public hearing on a Site Plan for a proposed residential development consisting of eleven 2-unit townhome buildings with attached garages, including site improvements, 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, in accordance with Section 8-7-8 of the Zoning Ordinance, the Planning Board finds that:

A. The site plan does not include usable space for active and passive recreation, including pedestrian connections.

B. The site plan does not include open space lands for public ownership and use offered for dedication or other disposition to the Town or other public entity.

C. School sites and facilities are adequate to accommodate the proposed site plan.

D. The site plan does not include the extension of roadways to adjacent property, 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.

Attachment: SP-2024-05_A_application_062625 (30513 : SP-2024-05_A (Aka SUB-2025-01_PP), 4780 Sheridan Drive)

TOWN OF AMHERST
PLANNING BOARD
SITE PLAN RESOLUTION
SP-2024-05

PETITIONER

4780 Sheridan Drive, LLC

PROPERTY LOCATION

4774 & 4780 Sheridan Drive

JUN 28 2024 PM12

F. Review by the US Army Corps of Engineers under Section 404 of the Clean Water Act is not required since hydric / potentially hydric soils have not been identified on the parcel.

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

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 record drawings, 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 parcels be merged.

5. That the conditions of the Planning Department letter dated June 14, 2024 are addressed to the satisfaction of the department.

6. That the comments of the Engineering Department letters dated June 25, 2024 (SWPPP), May 10, 2024 (Water & Storm) and June 24, 2024 (Sanitary) are addressed to the satisfaction of the department.

7. That the comments of the Building Department, Plumbing Division letter dated June 24, 2024 are addressed to the satisfaction of the department.

8. That the conditions of the Fire Chiefs' Association letter dated June 18, 2024 are addressed to the satisfaction of the group.

Attachment: SP-2024-05_A_application_062625 (30513 : SP-2024-05_A (Aka SUB-2025-01_PP), 4780 Sheridan Drive)

TOWN OF AMHERST
PLANNING BOARD
SITE PLAN RESOLUTION
SP-2024-05

PETITIONER

4780 Sheridan Drive, LLC

PROPERTY LOCATION

4774 & 4780 Sheridan Drive

JUN 28 2024 PM12

The foregoing resolution was adopted by the Town of Amherst Planning Board, June 25, 2024; moved by Giuliani; seconded by Davis; ayes 4; noes 0; absent 3 (Chmiel, Penberthy, Raffaele).

for Michael J. Chmiel, Planning Board Chair

June 28, 2024
Date

GP/ac
X:\Current_Planning\Files\Site Plans\2024\SP-2024-05_(4774_&_4780_Sheridan_Dr)_2024\SP-2024-05_resolution_062524.doc
cc: Commissioner of Building
Town Engineer
Fire Chiefs
Traffic/Safety
Highway Superintendent
ECDEP
NYSDOT
NYSDEC
Sean Hopkins, 5500 Main Street, Suite 343, Williamsville, NY 14221
Patrick Sheedy, Jr., 487 Main Street, Suite 500, Buffalo, NY 14203

Approved Plan: Carmina Wood Design
Received: June 13, 2024

Attachment: SP-2024-05_A_application_062625 (30513 : SP-2024-05_A (Aka SUB-2025-01_PP), 4780 Sheridan Drive)

EXHIBIT 6

Attachment: SP-2024-05_A_application_062625 (30513 : SP-2024-05_A (Aka SUB-2025-01_PP), 4780 Sheridan Drive)

Amherst

Town of Amherst Planning Department *Erie County, New York*

Brian J. Kulpa
Supervisor

Daniel C. Howard,
Planning Direct

Daniel J. Ulatowski,
Assistant Planning D r

Attachment: SP-2024-05_A_application_062625 (30513 : SP-2024-05_A (Aka SUB-2025-01_PP), 4780 Sheridan Drive)

SEQR
Negative Declaration

JUN 28 2024 PM12

NOTICE OF DETERMINATION OF NON-SIGNIFICANCE

Lead Agency:	Town of Amherst Planning Board	**Project:**	SP-2024-05
Address:	5583 Main Street Williamsville, NY 14221 (716) 631-7051	**Date:**	June 25, 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 Action

Description of Action: Proposed townhomes (eleven 2-unit buildings) with attached garages. Work will include the site improvements not specifically stated above, including, stormwater, utilities, grading, lighting, paving, and landscaping.

Location: 4774 & 4780 Sheridan Drive, Amherst, Erie County

Petitioner: 4780 Sheridan Drive LLC

REASONS SUPPORTING THIS DETERMINATION

JUN 28 2024 PM12

Based on information submitted by the applicant including a Full Environmental Assessment Form (EAF) - Part I, (as amended) and a complete site plan application, a preliminary staff analysis was undertaken. 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 June 24, 2024 reviewed the Grading, Drainage, Erosion Control Plan and Utility Plans submitted on June 6, 2024, and Engineer's Report submitted on June 13, 2024.

   The Stormwater Pollution Prevention Plan (SWPPP) submitted on June 13, 2024 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.

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. The Planning Department reviewed a Landscape Plan submitted on June 13, 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 June 14, 2024 and the Zoning Enforcement Officer in his review of June 14, 2024 and the Building Department in their review of June 18, 2024 have reviewed the application documents and determined that the subject project has or will have met all International Building Code – 2018 and Zoning Ordinance regulations.

4. The project is within an area identified by the State as potentially containing significant cultural or archeological resources. The NYS Office of Parks, Recreation and Historic Preservation has reviewed the project and, as stated in their letter of December 14, 2018 the NYS Office of Parks, Recreation, Historic Preservation stated it is the opinion of OPRHP that no properties, including archaeological and/or historic resources, listed in or eligible for the New York State and National Registers of Historic Places will be impacted by this project.

5. The project will not impair the character or quality of important aesthetic resources, or of existing community or neighborhood character. Neighboring uses are detached single-family residential to the north, south, east and west, zoned R-3; therefore, the project is generally consistent with surrounding residential land use.

Attachment: SP-2024-05_A_application_062625 (30513 : SP-2024-05_A (Aka SUB-2025-01_PP), 4780 Sheridan Drive)

JUN 28 2024 PM12

6. The proposed subject development will include 22 residences consisting of 11 two-unit residential structures, 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 June 18, 2024 reviewed the project and had no objection to the approval of the site plan, as all requirements of that agency have or will have been met.

   A Focused Environmental Site Assessment, was prepared by Environmental Advantage Inc. on August 17, 2021. The results of the report describe that there is evidence of historical metal-based pesticides. The project will be remediated under the NYSDEC Brownfield Cleanup Program's "Track 1 Unrestricted Standards". Once remediated it is not anticipated that the project will create a hazard to human health. Further reporting to the NYSDEC will be required based on future potential field work at the subject site.

8. The subject site plan 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. The proposed development of the subject site as attached (two-family) residential homes will be generally consistent with the scale of surrounding land uses.

9. The subject site plan for the proposed development of the subject site as attached (two-family) residential homes will not significantly increase the number of people using the site over its previous level of use.

10. Reviews by the Town Traffic/Safety Board dated June 18, 2024, and NYSDOT dated May 23, 2024 indicate 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 on May 3, 2024, Assessor on April 30, 2024, Plumbing Division on June 24, 2024, and Right-of-Way Agent June 13, 2024 along with outside agencies including the New York State Department of Transportation on May 23, 2024, New York State Department of Environmental Conservation on May 3, 2024, and the New York State Office of Parks, Recreation and Historic Preservation on December 14, 2018. 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.

Attachment: SP-2024-05_A_application_062625 (30513 : SP-2024-05_A (Aka SUB-2025-01_PP), 4780 Sheridan Drive)

JUN 28 2024 PM12

Planning Board Approval
Moved by: Davis; Seconded by: Giuliani; Ayes 4; Noes 0; Absent 3 (Chmiel, Penberthy, Raffaele)

Gary Palumbo, Associate Planner — Date: 6.28.2024

for Michael J. Chmiel, Planning Board Chair — Date: June 28, 2024

GP/ac
X:\Current_Planning\Files\Site Plans\2024\SP-2024-05_(4774_&_4780_Sheridan_Dr)_2024\SP-2024-05_neg dec_062524.doc
cc: Commissioner of Building
Town Engineer
Fire Chiefs'
Highway
Traffic/Safety
ECDEP
NYSDEC (type 1's)
NYSDOT (if on state hwy.)
Sean Hopkins, 5500 Main Street, Suite 343, Williamsville, NY 14221
Patrick Sheedy, Jr., 487 Main Street, Suite 500, Buffalo, NY 14203

Attachment: SP-2024-05_A_application_062625 (30513 : SP-2024-05_A (Aka SUB-2025-01_PP), 4780 Sheridan Drive)

EXHIBIT 7

Attachment: SP-2024-05_A_application_062625 (30513 : SP-2024-05_A (Aka SUB-2025-01_PP), 4780 Sheridan Drive)

Amherst
Town of Amherst Planning Department
Erie County, New York

Brian J. Kulpa
Supervisor

Daniel C. Howard, Al
Planning Director

Daniel J. Ulatowski, Al
Assistant Planning Dire

Attachment: SP-2024-05_A_application_062625 (30513 : SP-2024-05_A (Aka SUB-2025-01_PP), 4780 Sheridan Drive)

SEQR

NEGATIVE DECLARATION

NOTICE OF DETERMINATION OF NON-SIGNIFICANCE

Lead Agency: Town of Amherst
Town Board

Address: 5583 Main Street
Williamsville, NY 14221
(716) 631-7051

Project: Z-2023-07

Date: December 18, 2023

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: Unlisted Action

Description of Action: Rezoning of 5.03± acres of land from Residential District 3 (R-3) to Residential District 4 (R-4) to allow for a potential future development of the subject site as attached single-family residential homes

Location: 4774 & 4780 Sheridan Drive, Town of Amherst, Erie County, New York

Petitioner: RAS Development Company LLC

Reasons Supporting This Determination

Based on information submitted by the applicant, including a Full Environmental Assessment Form (EAF) - Part 1, a complete rezoning application, concept plan, and a Focused Environmental Analysis Summary prepared by Environmental Advantage, a preliminary staff analysis was undertaken. Based on the results of the EAF Part 2 and compared to the criteria listed in Section 617.7, all indications are that the proposed rezoning of 5.03 ± acres of land from Residential District 3 (R-3) to Residential District 4 (R-4) for the potential future development of the subject site as attached single-family residential homes 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 October 18, 2023 reviewed the application and EAF submitted on July 17, 2023, the Geotechnical Engineering Report prepared by Ray M. Teeter, P.E. and submitted on July 18, 2023 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. A Landscape/Tree preservation Plan shall be required of the applicant upon submittal of a site plan application for development of the site at which stage all landscape requirements of the Zoning Ordinance will be met.

3. The project is not expected to create any material conflict with the Town Comprehensive Plan. The project will comply with all regulations of the Town Zoning Ordinance before final site plan approval is granted. The Town Building Department on July 27, 2023 reviewed the application and EAF submitted on July 17, 2023, and has no objection or comments on the proposed rezoning.

4. The project is 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. In a letter dated December 14, 2018 the NYS Office of Parks, Recreation, Historic Preservation stated that no properties including archaeological and/or historical resources will be impacted by this project.

5. The project will not impair the character or quality of important aesthetic resources or of existing community or neighborhood character. The subject request is for rezoning from Residential District 3 (R-3) to Residential District 4 (R-4). Neighboring uses are detached single-family residential to the north, south, east and west, zoned R-3; therefore, the project is consistent with surrounding land use.

Attachment: SP-2024-05_A_application_062625 (30513 : SP-2024-05_A (Aka SUB-2025-01_PP), 4780 Sheridan Drive)

6. The proposed rezoning to Residential District 4 (R-4) for a proposed potential future development of the subject site as attached single-family residential homes will not cause a major change in the use of either the quantity or type of energy.

7. The rezoning to Residential District 4 (R-4) for the proposed potential future development of the subject site as attached single-family residential homes will not create any hazard to human health based on the following.

   The Fire Chief's Association on August 18, 2023, has reviewed the rezoning request and supporting documentation and has no objection to or adverse comments on the proposed rezoning.

   A Focused Environmental Site Assessment, was prepared by Environmental Advantage Inc. on August 17, 2021. The results of the report describe that the evidence of historical metal-based pesticides was identified below NYSDEC/NYSDOH unrestricted site use levels in NYSDEC 6 NYCCR Subpart 375-6 with two exceptions. Once remediated to applicable NYDEC standards it is not anticipated that the project will create a hazard to human health. Further reporting to the NYSDEC may be required based on future potential field work at the subject site.

8. The rezoning to Residential District 4 (R-4) 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. The proposed potential future development of the subject site as attached single-family residential homes will be consistent with the scale of surrounding land uses.

9. The rezoning to Residential District 4 (R-4) for the proposed potential future development of the subject site as attached single-family residential homes will not significantly increase the number of people using the site over its previous level of use.

10. Review by the Town Traffic/Safety Board on August 8, 2023 indicates that significant negative traffic impacts are not expected to result from the proposed project.

11. Coordinated reviews of the project have been undertaken by Town Departments including the Town Assessor on December 1, 2023, and Right-of-Way Agent on July 24, 2023 along with outside agencies including the Williamsville Central School District on July 25, 2023. 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 be causing significant negative environmental impacts.

Attachment: SP-2024-05_A_application_062625 (30513 : SP-2024-05_A (Aka SUB-2025-01_PP), 4780 Sheridan Drive)

Thomas J. Voigt, Assistant Planner — 12/19/23 date

Brian J. Kulpa, Supervisor — 12/20/23 date

TV/ac
X:\Current_Planning\Files\Rezonings\2023\Z-2023-07_(4774_&_4780_Sheridan_Dr)_2023\Z-2023-07_TB neg dec 121823.docx
cc: Amherst Town Clerk
Amherst Building Department
ECDEP
NYSDEC
NYSDOT
RAS Development Company LLC
Sean Hopkins

Attachment: SP-2024-05_A_application_062625 (30513 : SP-2024-05_A (Aka SUB-2025-01_PP), 4780 Sheridan Drive)

EXHIBIT 8

Attachment: SP-2024-05_A_application_062625 (30513 : SP-2024-05_A (Aka SUB-2025-01_PP), 4780 Sheridan Drive)

TOWN OF AMHERST

TOWN CLERK'S OFFICE

5583 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 2023-957 "Adoption of Local Law to Amend the Zoning Map (4774 & 4780 Sheridan Drive, Z-2023-07)" is a true and exact copy of the Resolution enacted by the Town Board at its meeting on February 5, 2024.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed the corporate seal of said Town of Amherst this 9th day of February, 2024.

Fran J Spoth

Francina J. Spoth
Town Clerk
Town of Amherst, Erie County, NY

Sworn to before me
This 9th day of February, 2024

Notary Public

TIMOTHY J. KOLLER
No. 01KO6263885
Notary Public, State of New York
Qualified in Erie County
My Commission Expires 06/11/2024

Attachment: SP-2024-05_A_application_062625 (30513 : SP-2024-05_A (Aka SUB-2025-01_PP), 4780 Sheridan Drive)

Amherst Town Board
5583 Main Street
Williamsville, NY 14221
www.amherst.ny.us

Francina J. Spoth
Town Clerk

Meeting: 02/05/24 07:00 PM
Department: Town Clerk
Initiated by: **Timothy Koller**
Co-Sponsored by:

DOC ID: 28261 **RESOLUTION 2023-957** **ADOPTED AS AMENDED**

Adoption of Local Law to Amend the Zoning Map (4774 & 4780 Sheridan Drive, Z-2023-07)

RESOLVED, that pursuant to 6NYCRR Part 617 (SEQR) and Town Code Section 104, as amended, that the requirements of SEQR are complete, and be it further

RESOLVED, that pursuant to NYS Town Law Sec.272-a, the Town Board concurs with the findings of the Planning Board as stated in their resolution of October 19, 2023 that the proposed Residential District 4 zoning at 4774 & 4780 Sheridan Drive is consistent with the adopted Bicentennial Comprehensive Plan, as amended, and be it further

RESOLVED, that in accordance with Section 203-8-3 of the Town Code (Zoning), the Town Board adopts Local Law (#_____) to amend the Town Zoning map subject to the following conditions as recommended by the Planning Board:

1. That the density of the project site shall not exceed 4.4 units per acre.
2. That the use of the project site to be rezoned from R-3 to R-4 shall be limited to two (2) unit-attached townhomes only.
3. That the maximum allowable height of any residential building on the project site as measured from finished grade shall be thirty (30) feet.
4. That the project site's contaminated soil be remediated to Track 1 Unrestricted standards under the purview of, and in accordance with the NYSDEC's Brownfield Cleanup Program.
5. That proposed buildings numbered 9 and 11 on the attached site concept plan prepared by CarminaWood Design dated 12/15/2023 shall not have any upper story windows along the north facing walls.
6. That the conditions stated above shall be memorialized via the recording of a Declaration of Restrictions at the Erie County Clerk's Office.

12/4/2023
A motion to open the public hearing was made by Supervisor Kulpa, seconded by Deputy Supervisor Bucki and unanimously approved 5-0. The public hearing was opened at 8:54 PM.

Sean Hopkins, Esq., presented.

The following speakers spoke in opposition:
Sharon Easterbrook, 80 Tristan Ln

Attachment: SP-2024-05_A_application_062625 (30513 : SP-2024-05_A (Aka SUB-2025-01_PP), 4780 Sheridan Drive)

Alicia Schreier, 79 Tristan Ln

There were no further speakers from the public, therefore Supervisor Kulpa moved to close the hearing and set a decision date for the December 18th Town Board meeting, seconded by Councilmember Lavin and unanimously approved 5-0. The public hearing was closed at 9:23 PM.

12/18/2023

Councilmember Berger made a motion to adjourn to the second Town Board meeting in January, seconded by Councilmember Szukala and unanimously approved 5-0.

1/22/2024

Supervisor Kulpa made a motion to adjourn, seconded by Councilmember Berger and unanimously approved 5-0.

2/5/2024

A motion to approve was made by Supervisor Kulpa and seconded by Councilmember Lavin. A motion to amend was made by Supervisor Kulpa, seconded by Councilmember Berger and unanimously approved 5-0. Amendment adds the underlined language. A motion to approve as amended was made by Supervisor Kulpa, seconded by Councilmember Berger and approved 4-1 (nay, Marinucci).

RESULT:	**ADOPTED AS AMENDED [4 TO 1]**
MOVER:	Brian J. Kulpa, Supervisor
SECONDER:	Jacqualine Berger, Councilmember
AYES:	Kulpa, Berger, Lavin, Szukala
NAYS:	Marinucci

Attachment: SP-2024-05_A_application_062625 (30513 : SP-2024-05_A (Aka SUB-2025-01_PP), 4780 Sheridan Drive)

EXHIBIT 9

Attachment: SP-2024-05_A_application_062625 (30513 : SP-2024-05_A (Aka SUB-2025-01_PP), 4780 Sheridan Drive)

Return Original to Box 460
Hopkins Sorgi & McCarthy PLLC
Attn: Sean W. Hopkins, Esq.

FILED
DEC 27 2024
ERIE COUNTY
CLERK'S OFFICE

DECLARATION OF RESTRICTIONS

THIS DECLARATION OF RESTRICTIONS ("***Declaration***") is made as of December 24th, 2024 by **4780 SHERIDAN DRIVE LLC** (hereinafter "***Declarant***") under facts and circumstances summarized by the following recitals:

WHEREAS, the Declarant is the owner of real property consisting of 4774 and 4780 Sheridan Drive in the Town of Amherst ("***Subject Parcel***") comprised of approximately 5.029 acres and as more particularly described in the metes and bounds legal description of the Subject Parcel attached hereto as **Schedule "A"** and as depicted on the survey of the Project Site attached hereto as **Schedule "B"**;

WHEREAS, on July 17, 2023, the Declarant submitted a Rezoning Application with the Town of Amherst requesting that the Town Board of the Town of Amherst ("***Town Board***") amend the zoning classifications of the Subject Parcel from Residential District Three ("***R-3***") to Residential District Four ("***R-4***");

WHEREAS, during its meeting held on February 5, 2024, the Town Board adopted Resolution No. 2023-957 for the purpose of approving an amendment of the zoning classification of the Subject Parcel from R-3 to R-4 subject to six (6) conditions;

WHEREAS, Resolution No. 2023-957 as adopted by the Town Board on February 5, 2024 approving an amendment of the zoning classification of the Subject Parcel from R-3 to R-4 contained the following six (6) conditions ("***Conditions***"):

1. That the density of the project site shall not exceed 4.4 units per acre.

2. That the use of the project site to be rezoned from R-3 to R-4 shall be limited to two (2) unit-attached townhomes only.

3. That the maximum allowable height of any residential building on the project site as measured from finished grade shall be thirty (30) feet.

4. That the project site's contaminated soil be remediated to Track 1 Unrestricted standards under the purview of, and in accordance with the NYSDEC's Brownfield Cleanup Program.

5. That proposed buildings numbered 9 and 11 on the attached site concept plan prepared by Carmina Wood Design dated 12/15/2023 shall not have any upper story windows along the north facing walls.

6. That the conditions stated above shall be memorialized via the recording of a Declaration of Restrictions at the Erie County Clerk's Office.

Attachment: SP-2024-05_A_application_062625 (30513 : SP-2024-05_A (Aka SUB-2025-01_PP), 4780 Sheridan Drive)

WHEREAS, a copy of the Concept Plan dated December 15, 2023 as prepared by Carmina Wood Design referenced in Condition No. 5 imposed by the Town Board on February 5, 2024 is attached as **Schedule "C"**.

NOW, THEREFORE, in exchange for good and valuable consideration the sufficiency of which is acknowledged, the Declarant agrees to restrict the use of the Subject Parcel in accordance with the zoning conditions imposed the Town Board on February 5, 2024 as set forth in Resolution No. 2023-957 as stated above.

The five (5) restrictions being established herein pursuant to Conditions Numbers 1 to 5 as set forth in Resolution No. 2023-957 as adopted by the Town Board on February 5, 2024 shall be binding on all parties claiming thereunder and shall run and touch the land except that the recorded restriction can be changed, modified or eliminated by a majority vote of the Town Board.

[REMAINDER OF PAGE LEFT INTENTIONALLY BLANK
SIGNATURE(S) ON FOLLOWING PAGE]

Attachment: SP-2024-05_A_application_062625 (30513 : SP-2024-05_A (Aka SUB-2025-01_PP), 4780 Sheridan Drive)

IN WITNESS WHEREOF, the party hereto has the full legal authority to execute this Declaration of Restrictions.

4780 SHERIDAN DRIVE LLC

Signature: _____
Name: Andrew Romanowski
Title: Managing Member

STATE OF NEW YORK)
ss.:
COUNTY OF ERIE)

On this 24 day of December, 2024, before me, the undersigned, a notary public in and for said state, personally appeared Andrew Romanowski, personally known to me or proved to me on the basis of satisfactory evidence to the be the individual whose name is subscribed to within this instrument and acknowledged to me that he/she executed the same in his/her capacity, and that by his/her signature on the instrument, the individual or the person upon behalf of which the individual acted, executed the instrument.

_____
Notary Public

DARLENE M. RUTKOWSKI
No. 01FO6148986
Notary Public, State of New York
Qualified in Erie County
My Commission Expires July 3, 2026

Attachment: SP-2024-05_A_application_062625 (30513 : SP-2024-05_A (Aka SUB-2025-01_PP), 4780 Sheridan Drive)

SCHEDULE A

METES AND BOUNDS LEGAL DESCRIPTION OF THE SUBJECT PARCEL

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 No, 60, Township 12, and Range 7 of the Holland Land Company's Survey, bounded and described as follows:

COMMENCING at a point in the center line of Sheridan Drive, distant 214.37 feet west of the east line of lands conveyed to Michael Trenz and Elsie Trenz, his wife by deed recorded in the Erie County Clerk's Office in Liber 3381 of Deeds at page 411;

thence northerly along the west line of lands per deed filed in the Erie County Clerk's Office in Liber 5022 Deeds page 430, at an interior angle of 101°11', a distance 50.97 feet to a point in the south line of said Sheridan Drive being the True Point and Place of Beginning;

thence westerly along the said south line of Sheridan Drive 215.35 feet to a point in the west line of said Michael Trenz and Elsie Trenz in Liber 3381 of Deeds at page 411;

thence northerly at an interior angle of 78°47' and along the west line of said Trenz, 789.86 feet to a point;

thence east at an interior angle of 90°59', a distance of 422.64 feet to a point in the east line of said Michael Trenz and Elsie Trenz in Liber 3381 of Deeds at page 411;

thence south at an interior angle of 88°38'9" and along the east line of said Trenz, 257.10 feet to a point, being the northeast corner of lands conveyed to Edward Roessel and Jennie Roessel, his wife by deed recorded in said Erie County Clerk's Office in Liber 4296 of Deeds at page 180;

thence westerly at right angles along said Roessel's north line, 178.00 feet to the northwest corner thereof;

thence southerly along said Roessel's west line, 101.72 feet to an angle point therein;

thence continuing along said Roessel's west line and parallel with the east line of Lot No. 60, 18.00 feet to a point;

thence westerly at right angles to the east line of said Lot No. 60, 8.29 feet to the northwest corner of lands conveyed to John J. Julian and Frances J. Julian, his wife by deed recorded in said Erie County Clerk's Office in Liber 5022 of Deeds at page 430;

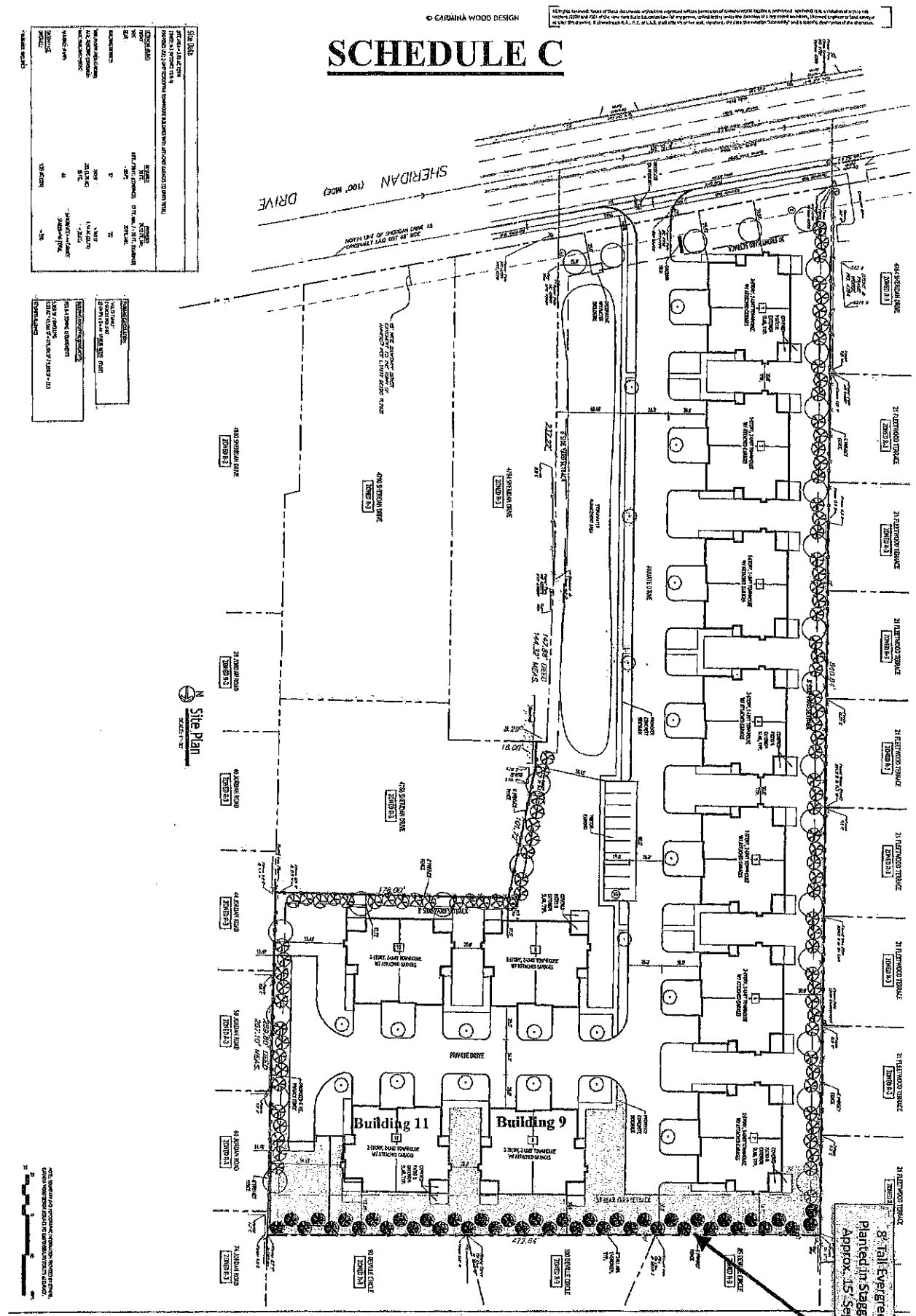
thence southerly at right angles and along the west line of said lands so conveyed to said John J. Julian and Frances J. Julian, 144.32 feet to an angle point therein;

thence continuing southerly at an exterior angle of 178°21'05", 237.22 feet to the True Point and Place of Beginning. This parcel containing 5.029 acres of land more or less.

Attachment: SP-2024-05_A_application_062625 (30513 : SP-2024-05_A (Aka SUB-2025-01_PP), 4780 Sheridan Drive)

SCHEDULE B

Attachment: SP-2024-05_A_application_062625 (30513 : SP-2024-05_A (Aka SUB-2025-01_PP), 4780 Sheridan Drive)



Attachment: SP-2024-05_A_application_062625 (30513 : SP-2024-05_A (Aka SUB-2025-01_PP), 4780 Sheridan Drive)

MICHAEL P. KEARNS, ERIE COUNTY CLERK
REF:

DATE:12/27/2024
TIME:4:02:16 PM
RECEIPT: 24204642

HOPKINS SORGI & MCCARTHY PLLC- BOX 460
ACCOUNT #: 9074

ITEM - 01 7P
RECD: 12/27/2024 4:20:45 PM
FILE: 2024224571 BK/PG P 238/4363
GLEASON RUDOLPH L
GLEASON GRETA J

Recording Fees		115.00
Subtotal	115.00	

ITEM - 02 7P
RECD: 12/27/2024 4:20:45 PM
FILE: 2024224572 BK/PG P 238/4378
GLEASON GRETA J
GLEASON RUDOLPH L

Recording Fees		115.00
Subtotal	115.00	

ITEM - 03 703
RECD: 12/27/2024 4:20:45 PM
FILE: 2024224573 BK/PG D 11440/4827
GLEASON GRETA

Recording Fees		55.00
Subtotal	55.00	

ITEM - 04 DEED
RECD: 12/27/2024 4:20:45 PM
FILE: 2024224574 BK/PG D 11440/4830
Deed Sequence: TT2024010485
GLEASON GRETA
4780 SHERIDAN DRIVE LLC

Recording Fees		65.00
RP5217 CNTY $9		9.00
RP5217 ST-RES $116		116.00
TP584		10.00
TRANSFER		
MANSION TT		0.00
TT-STATE $2/500		2,900.00
Subtotal	3,100.00	

ITEM - 05 774
RECD: 12/27/2024 4:20:45 PM
FILE: 2024224575 BK/PG D 11440/4835
4780 SHERIDAN DRIVE LLC

Recording Fees		75.00
Subtotal	75.00	

TOTAL DUE	$3,460.00
PAID TOTAL	$3,460.00
PAID CHECK	$3,460.00
Check #1698:	265.00
Check #103248583-2:	3,195.00

REC BY: Melanie K
COUNTY RECORDER

Attachment: SP-2024-05_A_application_062625 (30513 : SP-2024-05_A (Aka SUB-2025-01_PP), 4780 Sheridan Drive)

EXHIBIT 10

Attachment: SP-2024-05_A_application_062625 (30513 : SP-2024-05_A (Aka SUB-2025-01_PP), 4780 Sheridan Drive)

SP-2024-05

3.a

Amherst

Town of Amherst Planning Department *Erie County, New York*

Brian
Supe

Daniel C. Howa
Planning Direc

Daniel J. Ulatowski,
Assistant Planning Di

REQUEST FOR PROPERTY SPLIT/PROPERTY MERGE

Date: February 19, 2025

***Applicant Information*:**

Name: 4780 Sheridan Drive LLC c/o Sean Hopkins, Esq. Email: shopkins@hsmlegal.com

Address: 35 California Drive, Suite 100 Phone: 716.510-4338

***Representative Information*:**

Name: _____ Email: _____

Address: _____ Phone: _____

***Merge*:** *(if request involves more than 2 parcels, please use the next page)*

1. Address: 4774 Sheridan Drive
   Owner of Record: 4780 Sheridan Drive LLC
   SBL: 68.12-1-10
   ☐ Owner Authorization Attached (if other than applicant) ☒ Survey Attached

2. Address: 4780 Sheridan Drive
   Owner of Record: 4780 Sheridan Drive LLC
   SBL: 68.12-1-11
   ☐ Owner Authorization Attached (if other than applicant) ☒ Survey Attached

***Split*:**

1. Address: _____
   Owner of Record: _____
   SBL: _____

☐ Owner Authorization Attached (if other than applicant) ☒ Survey Attached ☒ Deed Attached

Description of Proposed Action:

The Applicant is requesting the two parcels at 4774 & 4780 Sheridan Drive that were acquired via a Warranty Deed recorded at the Erie County Clerk's Office on December 27, 2024 at Liber 1440 of Deeds at 4830. A recorded copy of the Warranty Deed is provided at Exhibit "1" A reduced-size copy of the Survey of the Project Site is provided at Exhibit "2".

Attachment: SP-2024-05_A_application_062625 (30513 : SP-2024-05_A (Aka SUB-2025-01_PP), 4780 Sheridan Drive)

REQUEST FOR PROPERTY SPLIT/ PROPERTY MERGE

3. Address: _____
   Owner of Record: _____
   SBL: _____
   ☐ Owner Authorization Attached (if other than applicant) ☐ Survey Attached

4. Address: _____
   Owner of Record: _____
   SBL: _____
   ☐ Owner Authorization Attached (if other than applicant) ☐ Survey Attached

5. Address: _____
   Owner of Record: _____
   SBL: _____
   ☐ Owner Authorization Attached (if other than applicant) ☐ Survey Attached

OFFICIAL USE ONLY

Zoning Enforcement Officer: ☒ Approved ☐ Denied; Comments Below

Zoning District(s): Residential District Four (R-4)

Merge of SBL 68.12-1-10 and 68.12-1-11 approved in order to combine tax map parcels per condition of re-zoning approval Z-2023-07 & SP-2024-05

Signature: Dan J. Illatore Date: 3/10/2025

Assessor's Office:

☐ Parcels are contiguous ☐ Parcels have the same owner

New parcel address: _____ New SBL: _____

New parcel address: _____ New SBL: _____

Signature: _____ Date: _____

DU/

"X:\Zoning_Officer\MergesSplits\Forms\Merge_Split_Application.docx"

cc. Scott Marshall, Principal Planner
Doug Gesel, Sup. Code Enforcement Officer
Emily Murphy, Town Assessor

Attachment: SP-2024-05_A_application_062625 (30513 : SP-2024-05_A (Aka SUB-2025-01_PP), 4780 Sheridan Drive)

RECEIVED
DEC 30 2024
TOWN OF AMHERST
PLANNING DEPT.

WARRANTY DEED

FILED
DEC 27 2024
ERIE COUNTY
CLERK'S OFFICE

THIS INDENTURE

Made the 17th day of December, 2024

BETWEEN

Greta Gleason and Rudolph Gleason by Diane C. Wolf, as agent, residing at 5885 Kamner Drive, Clarence Center, NY 14032,

party of the first part, and

4780 Sheridan Drive, LLC, having an office at 4727 Camp Road, Hamburg NY 14075

party of the second part.

WITNESSETH, that the party of the first part, in consideration of **One and More Dollar ($1.00 and more)** lawful money of the United States, paid by the party of the second part, does hereby grant and release unto the party of the second part, their survivors, beneficiaries, and assigns forever,

ALL THAT TRACT OR PARCEL OF LAND, more particularly described on the attached "Schedule A"

Said premises being known as 4774 and 4780 Sheridan Drive, Williamsville, NY 14221,

SUBJECT to covenants, easements, restrictions, declarations and agreements of record.

TOGETHER with the appurtenances and all the estate and rights of the party of the first part in and to said premises;

TO HAVE AND TO HOLD the premises herein granted unto the party of the second part, their survivors, beneficiaries, and assigns forever.

AND said party of the first part covenant as follows:

FIRST, that the party of the second part shall quietly enjoy the said premises;

SECOND, that said party of the first part will forever WARRANT the title to said premises.

Attachment: SP-2024-05_A_application_062625 (30513 : SP-2024-05_A (Aka SUB-2025-01_PP), 4780 Sheridan Drive)

THIRD, that in compliance with Section 13 of the Lien Law, covenants the party of the first part will receive the consideration for this conveyance and will hold the right to receive such consideration as a trust fund to be applied first for the purpose of paying the cost of the improvement and will apply the same first to the payment of the cost of the improvement before using any part of the total of the same for any other purpose.

The word "party" shall be construed as if it read "parties" whenever the sense of this indenture so requires.

IN WITNESS WHEREOF, the party of the first part has duly executed this deed the day and year first above written.

IN PRESENCE OF

Greta Gleason by Diane C Wolf as agent L.S.

Greta Gleason by Diane C. Wolf, as agent

Rudolph Gleason by Diane C Wolf as agent L.S.

Rudolph Gleason by Diane C. Wolf, as agent

State of New York)
)
County of ERIE) ss:

On this 17th **day of** December **, 2024,** before me, the undersigned, personally appeared **Greta Gleason by Diane C. Wolf, as agent and Rudolph Gleason by Diane C. Wolf, as agent ,** personally known to me or proved to me on the basis of satisfactory evidence to be the individual(s) whose name(s) subscribed to the within instrument, and acknowledged to me that he/she/they executed the same in his/her/their capacity(ies), and that by his/her/their signature(s) on the instrument, the individual(s), or the person upon behalf of which the individual(s) acted, executed the instrument.

Notary Public

Francis R. Ciura
Notary Public, State of New York
Registration No. 01CI6062005
Qualified In Erie County
Commission Expires July 30, 2025

Attachment: SP-2024-05_A_application_062625 (30513 : SP-2024-05_A (Aka SUB-2025-01_PP), 4780 Sheridan Drive)

PARCEL A (4780 Sheridan Drive)

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 No. 60, Township 12, and Range 7 of the Holland Land Company's Survey, bounded and described as follows:

BEGINNING at a point in the center line of Sheridan Drive, distant 214.37 feet west of the east line of lands conveyed to Michael Trenz and Elsie Trenz, his wife by deed recorded in the Erie County Clerk's Office in Liber 3381 of Deeds at page 411; thence westerly along the center line of Sheridan Drive 93.71 feet to a point, which point is also the southeasterly corner of land deeded to William J. Kraus and Emma A. Kraus, his wife by deed recorded in said Erie County Clerk's Office in Liber 4544 of Deeds at page 595; thence northerly along the east line of said Kraus lands, 285.37 feet to the northeast corner thereof; thence west at right angles and along the north line of said Kraus lands, 119 feet to the northwest corner thereof; thence north at right angles and along the west line of lands deeded to Michael Trenz and Elsie Trenz, his wife by deed hereinabove mentioned, 537.45 feet to a point; thence easterly at an interior angle of 91° 23', 422.64 feet to the east line of lands conveyed to said Michael Trenz and Elsie Trenz, his wife by deed aforesaid; thence south at an interior angle of 88° 26' and along the east line of said Trenz lands as conveyed by deed as aforesaid 259.80 feet to a point, which is also the northeast corner of lands conveyed to Edward Roessel and Jennie Roessel, his wife by deed recorded in said Erie County Clerk's Office in Liber 4296 of Deeds at page 180; thence westerly along said Roessel's north line 178 feet to the northwest corner thereof; thence southerly along said Roessel's west line 101.72 feet to a point; thence continuing along said Roessel's west line and parallel with the east line of Lot No. 60, 18 feet to a point; thence westerly at right angles to the east line of said Lot No. 60, 8.29 feet to the northwest corner of lands conveyed to John J. Julian and Frances J. Julian, his wife by deed recorded in said Erie County Clerk's Office in Liber 5022 of Deeds at page 430; thence southerly along the west line of said lands so conveyed to said John J. Julian and Frances J. Julian, his wife by deed aforesaid, 147.88 feet to a point therein; and thence southerly on a line deflecting to the east, 288.19 feet to the point or place of beginning.

Attachment: SP-2024-05_A_application_062625 (30513 : SP-2024-05_A (Aka SUB-2025-01_PP), 4780 Sheridan Drive)

PARCEL B (4774 Sheridan Drive)

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 No. 60, Township 12, and Range 7 of the Holland Land Company's Survey, bounded and described as follows;

COMMENCING at a point in the center line of Sheridan Drive at the intersection of the west line of premises deed to Michael Trenz and Elsie Trenz, his wife by deed recorded in the Erie County Clerk's Office in Liber 3381 of Deeds at page 411 with the center line of Sheridan Drive; running thence northeasterly along the center line of Sheridan Drive 121.67 feet to a point; running thence north and parallel with the west line of the said premises deeded to the said Michael Trenz and Elsie Trenz, his wife as aforesaid, by deed aforesaid, 285.37 feet to an iron post; running thence west at right angles with the west line of premises so deeded to the said Michael Trenz and Elsie Trenz, his wife by deed aforesaid, 119 feet to an iron post in the west line of said premises of said Michael Trenz and Elsie Trenz, his wife; running thence southerly along the west line of the said land of Michael Trenz and Elsie Trenz, his wife, by deed aforesaid, 310.72 feet in a straight line to the point or place of beginning in the center line of Sheridan Drive.

Attachment: SP-2024-05_A_application_062625 (30513 : SP-2024-05_A (Aka SUB-2025-01_PP), 4780 Sheridan Drive)

MICHAEL P. KEARNS, ERIE COUNTY CLERK
REF:

DATE:12/27/2024
TIME:4:02:16 PM
RECEIPT: 24204642

HOPKINS SORGI & MCCARTHY PLLC- BOX 460
ACCOUNT #: 9074

ITEM - 01 7P
RECD: 12/27/2024 4:20:45 PM
FILE: 2024224571 BK/PG P 238/4363
GLEASON RUDOLPH L
GLEASON GRETA J
Recording Fees 115.00
Subtotal 115.00

ITEM - 02 7P
RECD: 12/27/2024 4:20:45 PM
FILE: 2024224572 BK/PG P 238/4378
GLEASON GRETA J
GLEASON RUDOLPH L
Recording Fees 115.00
Subtotal 115.00

ITEM - 03 703
RECD: 12/27/2024 4:20:45 PM
FILE: 2024224573 BK/PG D 11440/4827
GLEASON GRETA
Recording Fees 55.00
Subtotal 55.00

ITEM - 04 DEED
RECD: 12/27/2024 4:20:45 PM
FILE: 2024224574 BK/PG D 11440/4830
Deed Sequence: TT2024010485
GLEASON GRETA
4780 SHERIDAN DRIVE LLC
Recording Fees 65.00
RP5217 CNTY $9 9.00
RP5217 ST-RES $116 116.00
TP584 10.00
TRANSFER
MANSION TT 0.00
TT-STATE $2/500 2,900.00
Subtotal 3,100.00

ITEM - 05 774
RECD: 12/27/2024 4:20:45 PM
FILE: 2024224575 BK/PG D 11440/4835
4780 SHERIDAN DRIVE LLC
Recording Fees 75.00
Subtotal 75.00

TOTAL DUE	$3,460.00
PAID TOTAL	$3,460.00
PAID CHECK	$3,460.00
Check #1698:	265.00
Check #103248583-2:	3,195.00

REC BY: Melanie K
COUNTY RECORDER

Attachment: SP-2024-05_A_application_062625 (30513 : SP-2024-05_A (Aka SUB-2025-01_PP), 4780 Sheridan Drive)

EXHIBIT 11

Attachment: SP-2024-05_A_application_062625 (30513 : SP-2024-05_A (Aka SUB-2025-01_PP), 4780 Sheridan Drive)

EARTH DIMENSIONS, INC.
* Soil & Hydrogeologic Investigations * Wetland Delineations
1091 Jamison Road, Elma NY 14059
(716) 655-1717 * Fax (716) 655-2915 www.earthdimensions.com

December 4, 2024 W7J18b

Andrew Romanowski, Member
4780 Sheridan Drive, LLC
4727 Camp Road
Hamburg, New York 14075

Re: Preliminary Wetland Investigation – 5.08± acres
4774-4780 Sheridan Drive (SBL# 68.12-1-10 & 68.12-1-11)
Town of Amherst, Erie County, New York

Dear Mr. Romanowski:

Earth Dimensions, Inc. (EDI) has completed a preliminary wetland investigation at the above referenced site for the purpose of identifying potential regulated wetlands and waterways. The site investigation was conducted on December 4, 2024. The limits of the site investigation are highlighted on the attached location map from the Erie County On-Line Mapping Application. No wetlands were identified as defined by the U.S. Army Corps of Engineers (USACE) wetland delineation manuals.

The New York State Department of Environmental Conservation (NYSDEC) On-line Resource Mapper does not depict any state-regulated Freshwater Wetlands within or adjacent to the subject site. Therefore, NYSDEC has no jurisdiction over any wetlands within the project site.

Based on this site investigation, it is our professional opinion that there are no federal or state regulated wetlands within the investigation area. Therefore, it is our professional opinion that your project may proceed without the need for a Section 404 or Article 24 permit from USACE or NYSDEC, respectively.

If you have any questions, 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.

Attachment: SP-2024-05_A_application_062625 (30513 : SP-2024-05_A (Aka SUB-2025-01_PP), 4780 Sheridan Drive)

Erie County On-Line Mapping Application

Legend

- Parcels

0 0.04 0.1 Miles

WGS_1984_Web_Mercator_Auxiliary_Sphere
THIS MAP IS NOT TO BE USED FOR NAVIGATION

ERIE COUNTY
DEPARTMENT OF ENVIRONMENT & PLANNING
OFFICE OF GIS

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 not be accurate, current, or otherwise reliable.

1: 2,257

Environmental Resource Mapper

December 4, 2024

1:4,514

0 0.04 0.08 0.16 mi

0 0.05 0.1 0.2 km

Province of Ontario, Ontario MNR, Esri Canada, Esri, HERE, Garmin, INCREMENT P, USGS, EPA, USDA

NYS Department of Environmental Conservation
Not a legal document

Attachment: SP-2024-05_A_application_062625 (30513 : SP-2024-05_A (Aka SUB-2025-01_PP), 4780 Sheridan Drive)

EXHIBIT 12

Attachment: SP-2024-05_A_application_062625 (30513 : SP-2024-05_A (Aka SUB-2025-01_PP), 4780 Sheridan Drive)

NEW YORK STATE OF OPPORTUNITY. | Parks, Recreation, and Historic Preservation

ANDREW M. CUOMO
Governor

ROSE HARVEY
Commissioner

December 14, 2018

Dr. Doug Perrelli
Univ Buffalo Archaeological Survey
Anthropology 380 MFAC Ellicott
Buffalo, NY 14261

Re: DEC
Proposed Residential Development Project
4774 and 4780 Sheridan Drive, Amherst, Erie County, NY
18PR07939

Dear Dr. Perrelli:

Thank you for requesting the comments of the Division for Historic Preservation of the Office of Parks, Recreation and Historic Preservation (OPRHP). We have reviewed the report prepared by the Archaeological Survey (University at Buffalo) entitled "Phase I Archaeological Reconnaissance Survey of a Proposed Residential Development at 4780 Sheridan Drive, Town of Amherst, Erie County, New York" (Hartner & Whalen December 2018), in accordance with the New York State Historic Preservation Act of 1980 (section 14.09 of the New York Parks, Recreation and Historic Preservation Law). These comments are those of the Division for Historic Preservation and relate only to Historic/Cultural resources.

Based upon this review, it is the opinion of OPRHP that no properties, including archaeological and/or historic resources, listed in or eligible for the New York State and National Registers of Historic Places will be impacted by this project. This recommendation pertains only to the Project Area examined during the above-referenced investigation. It is not applicable to any other portion of the project property. Should the project design be changed OPRHP recommends further consultation with this office.

If further correspondence is required regarding this project, please refer to the project number (PR) noted above. If you have any questions, I can be reached at 518-268-2218 or via email at Josalyn.Ferguson@parks.ny.gov.

Sincerely,

Josalyn Ferguson (B.A., M.A.)
Historic Preservation Specialist/Archaeology *via e-mail only*

c.c. Charles Vandrei, DEC

Attachment: SP-2024-05_A_application_062625 (30513 : SP-2024-05_A (Aka SUB-2025-01_PP), 4780 Sheridan Drive)

Exhibit 1 of Site Plan Application – Part 1 of Full Environmental Assessment Form Prepared pursuant to the State Environmental Quality Review Act ("SEQRA") with Page 5[a] and Attachment "1" and "2"

Attachment: SP-2024-05_A_application_062625 (30513 : SP-2024-05_A (Aka SUB-2025-01_PP), 4780 Sheridan Drive)

Full Environmental Assessment Form
Part 1 - Project and Setting

Prepared By: Sean Hopkins,
Hopkins Sorgi & McCarthy
5500 Main Street, Suite 343
Williamsville, NY 14221
Tel: 716.510-4338
E-mail: shopkins@hsmlegal.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 Project		
Project Location (describe, and attach a general location map): 4774 and 4780 Sheridan Drive - Town of Amherst - Erie County		
Brief Description of Proposed Action (include purpose or need): The proposed project ("action") consists of the development of the parcels at 4774 and 4780 Sheridan Drive ("Project Site") as a residential project consists of eleven buildings each comprised of two-homes [22 total units]. The proposed action has been defined broadly to include all all proposed site improvements as well as all required discretionary approvals and permits needed from involved agencies including entry into the NYSDEC Brownfield Cleanup Program. The project purpose is to develop the Project Site as a low density residential project per the recommended land use in Figure 6 of the Town's adopted Comprehensive Plan. The proposed project is an Unlisted Action pursuant to the State Environmental Quality Review Act ("SEQRA") and will not result in any potentially significant adverse environmental impacts. The Town Board completed an environmental review of the project pursuant to SEQRA and issued a Negative Declaration on February 5, 2024. A copy of the negative declaration issued by the Town Board is provided at Attachment "A".		
Name of Applicant/Sponsor: 4780 Sheridan Drive LLC 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): Same as above.	Telephone: E-Mail:	
Address:		
City/PO:	State:	Zip Code:
Property Owner (if not same as sponsor): Estate of Edith Fruehauf, Rudolph Gleason and Greta Gleason	Telephone: E-Mail:	
Address: 4780 Sheridan Drive		
City/PO: Williamsville	State: NY	Zip Code: 14221

Attachment: SP-2024-05_A_application_062625 (30513 : SP-2024-05_A (Aka SUB-2025-01_PP), 4780 Sheridan Drive)

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		
b. City, Town or Village Planning Board or Commission ☑Yes ☐No	Planning Board - Site Plan Approval	April 22, 2024
c. City, Town or Village Zoning Board of Appeals ☐Yes ☑No		
d. Other local agencies ☐Yes ☐No		
e. County agencies ☑Yes ☐No	ECDOH - Sewer and ECWA - Water	To be Determined
f. Regional agencies ☐Yes ☐No		
g. State agencies ☑Yes ☐No	NYSDOT - Highway Work Permit , NYSDEC - Brownfield Cleanup, SPDES Permit and DSCA	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):

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-2024-05_A_application_062625 (30513 : SP-2024-05_A (Aka SUB-2025-01_PP), 4780 Sheridan Drive)

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?
Residential District Four ("R-4")

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? Amherst Central Schools

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?
Hutchinson Hose Company

d. What parks serve the project site?
Amherst State Park

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)? Low density residential consisting of two-unit homes for sale.

b. a. Total acreage of the site of the proposed action? 5.03 acres
b. Total acreage to be physically disturbed? 5.03 acres
c. Total acreage (project site and any contiguous properties) owned or controlled by the applicant or project sponsor? 5.03 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)
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: _____ 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-2024-05_A_application_062625 (30513 : SP-2024-05_A (Aka SUB-2025-01_PP), 4780 Sheridan Drive)

3.a

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		22		
At completion of all phases		22		

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 management area

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: _____ million gallons; surface area: 0.25 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 - The stormwater management area does not constitute a dam regulated by the NYSDEC.

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): _____

_____

Attachment: SP-2024-05_A_application_062625 (30513 : SP-2024-05_A (Aka SUB-2025-01_PP), 4780 Sheridan Drive)

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: 4,840 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: 4,840 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 Wastewater Treatment Facility
- Name of district: Town of Amherst
- 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-2024-05_A_application_062625 (30513 : SP-2024-05_A (Aka SUB-2025-01_PP), 4780 Sheridan Drive)

- 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 2.20 acres (impervious surface)

_____ Square feet or 5.03 acres (parcel size)

ii. Describe types of new point sources. Building roofs, asphalt driveway

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)?

On-site stormwater management facility

- 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: SP-2024-05_A_application_062625 (30513 : SP-2024-05_A (Aka SUB-2025-01_PP), 4780 Sheridan Drive)

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):

local grid

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: 7am to 5pm
- Saturday: 7am to 5pm [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: SP-2024-05_A_application_062625 (30513 : SP-2024-05_A (Aka SUB-2025-01_PP), 4780 Sheridan Drive)

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:

Temporary and unavoidable storm term noise impacts resulting from the use of construction equipment during construction of the proposed project

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:

Proposed on site lighting is dark sky compliant and in compliance with all Town of Amherst lighting regulations.

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-2024-05_A_application_062625 (30513 : SP-2024-05_A (Aka SUB-2025-01_PP), 4780 Sheridan Drive)

s. Does the proposed action include construction or modification of a solid waste management facility? ☐ Yes ☐

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): Golf course

ii. If mix of uses, generally describe:

Mixture of uses including Park Country Club Golf Course and residential uses including single-family and multifamily.

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	1.4	2.20	+ 0.8
• Forested	0.0	0.0	0.0
• Meadows, grasslands or brushlands (non-agricultural, including abandoned agricultural)	0.0	0.0	0.0
• Agricultural (includes active orchards, field, greenhouse etc.)	0.0	0.0	0.0
• Surface water features (lakes, ponds, streams, rivers, etc.)	0.0	0.0	0.0
• Wetlands (freshwater or tidal)	0.0	0.0	0.0
• Non-vegetated (bare rock, earth or fill)	0.0	0.0	0.0
• Other Describe: Greenspace and landscaping	3.63	2.83	- 0.8

Attachment: SP-2024-05_A_application_062625 (30513 : SP-2024-05_A (Aka SUB-2025-01_PP), 4780 Sheridan Drive)

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:
There is contamination on the project site resulting from its historical use as a nursery [herbicides and pesticides].
_____

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-2024-05_A_application_062625 (30513 : SP-2024-05_A (Aka SUB-2025-01_PP), 4780 Sheridan Drive)

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? > 40 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:

Schoharie silt loam	84 %
Urban Land-Odessa complex	16 %
	%

d. What is the average depth to the water table on the project site? Average: 36 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? [There are not any wetlands subject to the jurisdiction of either the USACE or NYSDEC located on 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 _____ Approximate Size _____
- 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: _____

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-2024-05_A_application_062625 (30513 : SP-2024-05_A (Aka SUB-2025-01_PP), 4780 Sheridan Drive)

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: SP-2024-05_A_application_062625 (30513 : SP-2024-05_A (Aka SUB-2025-01_PP), 4780 Sheridan Drive)

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: [Copy of SHPO No Impact Letter dated December 14, 2018 is provided at Attachment "B".]

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: Amherst State Park, Glen Park, Audubon Town Park

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

iii. Distance between project and resource: 1-4 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 4780 Sheridan Drive LLC Date April 22, 2024

Signature Sean Hopkins Title Attorney for Project Sponsor

Attachment: SP-2024-05_A_application_062625 (30513 : SP-2024-05_A (Aka SUB-2025-01_PP), 4780 Sheridan Drive)

PRINT FORM

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]	No
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.v [Impaired Water Bodies]	No
E.2.i. [Floodway]	No
E.2.j. [100 Year Floodplain]	No
E.2.k. [500 Year Floodplain]	No
E.2.l. [Aquifers]	No
E.2.n. [Natural Communities]	No
E.2.o. [Endangered or Threatened Species]	No

Attachment: SP-2024-05_A_application_062625 (30513 : SP-2024-05_A (Aka SUB-2025-01_PP), 4780 Sheridan Drive)

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]	Yes
E.3.i. [Designated River Corridor]	No

Attachment: SP-2024-05_A_application_062625 (30513 : SP-2024-05_A (Aka SUB-2025-01_PP), 4780 Sheridan Drive)

TOWN OF AMHERST ATTACHMENT
State Environmental Quality Review
ENVIRONMENTAL ASSESSMENT FORM

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
Schoharie silt loam	✔				✔
Urban Land Odessa complex	✔				✔

2. If the Soil survey indicates either "severe" or "moderate" suitability for the proposed types of construction, a geotechnical and hydrological analysis based on one test per 3.5 acres of project area must be provided (per Town Board resolution, 3/17/03, amended 6/16/03).

✔ Geotechnical report attached _____ Not applicable

3. 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.

4. Are there alternative locations on the site for this project? ☐ Yes ☑ No

5. Location and size of real property owned by petitioner within one (1) mile of subject proposal:
4774 Sheridan Drive - 0.67 ac
4780 Sheridan Drive - 4.36 ac

6. 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.)

7. Maximum number of vehicular trips to be generated per hour upon completion of project 12
Source: ITE Trip Generator

8. Will blasting occur during construction? ☐ Yes ☑ No

9. Does the project propose to connect and be tributary to the public sanitary sewer system? ☑ Yes ☐ No

10. Proposed net additional gallons per day (gpd) of sanitary sewer discharge upon completion of project:

4,840 average flow 20,897 peak flow.

(Please note that 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.)

Attachment: SP-2024-05_A_application_062625 (30513 : SP-2024-05_A (Aka SUB-2025-01_PP), 4780 Sheridan Drive)

Attachment A of Part 1 of Full EAF – Negative Declaration issued by the Town Board on February 5, 2024

Attachment: SP-2024-05_A_application_062625 (30513 : SP-2024-05_A (Aka SUB-2025-01_PP), 4780 Sheridan Drive)

Amherst

Town of Amherst Planning Department *Erie County, New York*

Brian J. Kulpa
Supervisor

Daniel C. Howard, AIC
Planning Director

Daniel J. Ulatowski, AIC
Assistant Planning Direct

Attachment: SP-2024-05_A_application_062625 (30513 : SP-2024-05_A (Aka SUB-2025-01_PP), 4780 Sheridan Drive)

SEQR

NEGATIVE DECLARATION

NOTICE OF DETERMINATION OF NON-SIGNIFICANCE

Lead Agency: Town of Amherst
Town Board

Project: Z-2023-07

Address: 5583 Main Street
Williamsville, NY 14221
(716) 631-7051

Date: February 5, 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: Unlisted Action

Description of Action: Rezoning of 5.03± acres of land from Residential District 3 (R-3) to Residential District 4 (R-4) to allow for a potential future development of the subject site as attached single-family residential homes

Location: 4774 & 4780 Sheridan Drive, Town of Amherst, Erie County, New York

Petitioner: RAS Development Company LLC

Reasons Supporting This Determination

Based on information submitted by the applicant, including a Full Environmental Assessment Form (EAF) - Part 1, a complete rezoning application, concept plan, and a Focused Environmental Analysis Summary prepared by Environmental Advantage, a preliminary staff analysis was undertaken. Based on the results of the EAF Part 2 and compared to the criteria listed in Section 617.7, all indications are that the proposed rezoning of 5.03 ± acres of land from Residential District 3 (R-3) to Residential District 4 (R-4) for the potential future development of the subject site as attached single-family residential homes 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 October 18, 2023 reviewed the application and EAF submitted on July 17, 2023, the Geotechnical Engineering Report prepared by Ray M. Teeter, P.E. and submitted on July 18, 2023 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. A Landscape/Tree preservation Plan shall be required of the applicant upon submittal of a site plan application for development of the site at which stage all landscape requirements of the Zoning Ordinance will be met.

3. The project is not expected to create any material conflict with the Town Comprehensive Plan. The project will comply with all regulations of the Town Zoning Ordinance before final site plan approval is granted. The Town Building Department on July 27, 2023 reviewed the application and EAF submitted on July 17, 2023, and has no objection or comments on the proposed rezoning.

4. The project is 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. In a letter dated December 14, 2018 the NYS Office of Parks, Recreation, Historic Preservation stated that no properties including archaeological and/or historical resources will be impacted by this project.

5. The project will not impair the character or quality of important aesthetic resources or of existing community or neighborhood character. The subject request is for rezoning from Residential District 3 (R-3) to Residential District 4 (R-4). Neighboring uses are detached single-family residential to the north, south, east and west, zoned R-3; therefore, the project is consistent with surrounding land use.

6. The proposed rezoning to Residential District 4 (R-4) for a proposed potential future development of the subject site as attached single-family residential homes will not cause a major change in the use of either the quantity or type of energy.

Attachment: SP-2024-05_A_application_062625 (30513 : SP-2024-05_A (Aka SUB-2025-01_PP), 4780 Sheridan Drive)

7. The rezoning to Residential District 4 (R-4) for the proposed potential future development of the subject site as attached single-family residential homes will not create any hazard to human health based on the following.

   The Fire Chief's Association on August 18, 2023, has reviewed the rezoning request and supporting documentation and has no objection to or adverse comments on the proposed rezoning.

   A Focused Environmental Site Assessment, was prepared by Environmental Advantage Inc. on August 17, 2021. The results of the report describe that the evidence of historical metal-based pesticides was identified below NYSDEC/NYSDOH unrestricted site use levels in NYSDEC 6 NYCCR Subpart 375-6 with two exceptions. Once remediated to applicable NYDEC standards it is not anticipated that the project will create a hazard to human health. Further reporting to the NYSDEC may be required based on future potential field work at the subject site.

8. The rezoning to Residential District 4 (R-4) 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. The proposed potential future development of the subject site as attached single-family residential homes will be consistent with the scale of surrounding land uses.

9. The rezoning to Residential District 4 (R-4) for the proposed potential future development of the subject site as attached single-family residential homes will not significantly increase the number of people using the site over its previous level of use.

10. Review by the Town Traffic/Safety Board on August 8, 2023 indicates that significant negative traffic impacts are not expected to result from the proposed project.

11. Coordinated reviews of the project have been undertaken by Town Departments including the Town Assessor on December 1, 2023, and Right-of-Way Agent on July 24, 2023 along with outside agencies including the Williamsville Central School District on July 25, 2023. 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 be causing significant negative environmental impacts.

Attachment: SP-2024-05_A_application_062625 (30513 : SP-2024-05_A (Aka SUB-2025-01_PP), 4780 Sheridan Drive)

Thomas J. Voigt, Assistant Planner — date 2/13/2024

Brian J. Kulpa, Supervisor — date 2/15/24

TV/ac
X:\Current_Planning\Files\Rezonings\2023\Z-2023-07_(4774_&_4780_Sheridan_Dr)_2023\Z-2023-07_TB SEQR neg dec 020524.docx
cc: Amherst Town Clerk
Amherst Building Department
ECDEP
NYSDEC
NYSDOT
RAS Development Company LLC
Sean Hopkins

Attachment: SP-2024-05_A_application_062625 (30513 : SP-2024-05_A (Aka SUB-2025-01_PP), 4780 Sheridan Drive)

Attachment B of Part 1 of Full EAF – SHPO No Impact Determination Letter dated December 14, 2018

Attachment: SP-2024-05_A_application_062625 (30513 : SP-2024-05_A (Aka SUB-2025-01_PP), 4780 Sheridan Drive)

NEW YORK STATE OF OPPORTUNITY. | Parks, Recreation, and Historic Preservation

ANDREW M. CUOMO
Governor

ROSE HARVEY
Commissioner

December 14, 2018

Dr. Doug Perrelli
Univ Buffalo Archaeological Survey
Anthropology 380 MFAC Ellicott
Buffalo, NY 14261

Re: DEC
Proposed Residential Development Project
4774 and 4780 Sheridan Drive, Amherst, Erie County, NY
18PR07939

Dear Dr. Perrelli:

Thank you for requesting the comments of the Division for Historic Preservation of the Office of Parks, Recreation and Historic Preservation (OPRHP). We have reviewed the report prepared by the Archaeological Survey (University at Buffalo) entitled "Phase I Archaeological Reconnaissance Survey of a Proposed Residential Development at 4780 Sheridan Drive, Town of Amherst, Erie County, New York" (Hartner & Whalen December 2018), in accordance with the New York State Historic Preservation Act of 1980 (section 14.09 of the New York Parks, Recreation and Historic Preservation Law). These comments are those of the Division for Historic Preservation and relate only to Historic/Cultural resources.

Based upon this review, it is the opinion of OPRHP that no properties, including archaeological and/or historic resources, listed in or eligible for the New York State and National Registers of Historic Places will be impacted by this project. This recommendation pertains only to the Project Area examined during the above-referenced investigation. It is not applicable to any other portion of the project property. Should the project design be changed OPRHP recommends further consultation with this office.

If further correspondence is required regarding this project, please refer to the project number (PR) noted above. If you have any questions, I can be reached at 518-268-2218 or via email at Josalyn.Ferguson@parks.ny.gov.

Sincerely,

Josalyn Ferguson (B.A., M.A.)
Historic Preservation Specialist/Archaeology *via e-mail only*

c.c. Charles Vandrei, DEC

Attachment: SP-2024-05_A_application_062625 (30513 : SP-2024-05_A (Aka SUB-2025-01_PP), 4780 Sheridan Drive)

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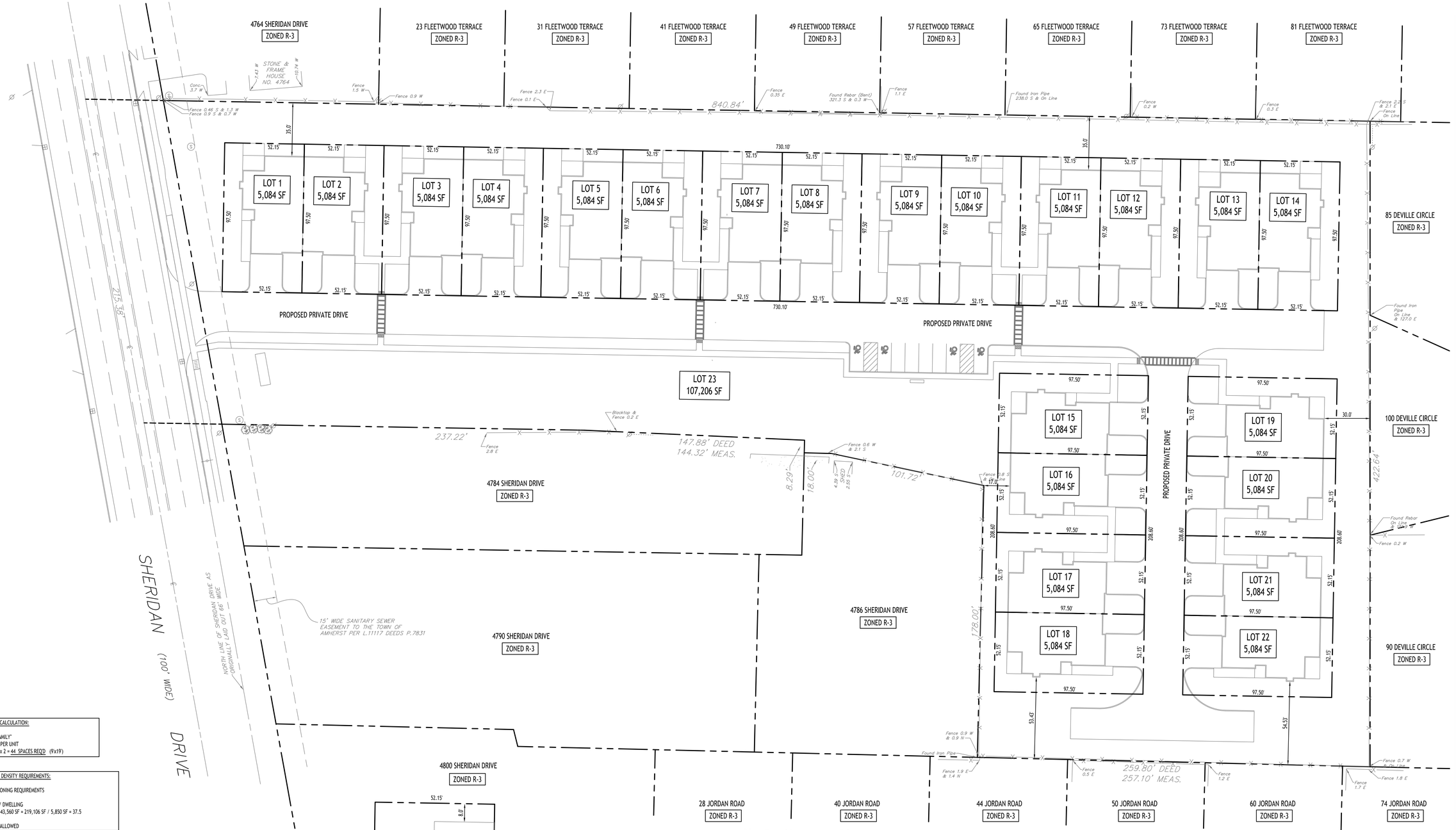


Preliminary Plat

SCALE: 1"=30'

PARKING CALCULATION:

"MULTI-FAMILY"
2 SPACES PER UNIT
22 UNITS x 2 = 44 SPACES REQD (9'x19')

BUILDING DENSITY REQUIREMENTS:

PER R-4 ZONING REQUIREMENTS

5,850 SF / DWELLING
5.03 AC * 43,560 SF = 219,106 SF / 5,850 SF = 37.5

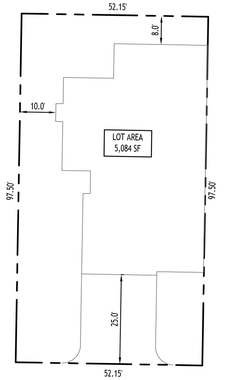
37 UNITS ALLOWED

Site Data

SITE AREA = 5.03 AC TOTAL
ZONED: R-4
PROPOSED USE: 2-UNIT RESIDENTIAL TOWNHOUSE BUILDINGS WITH ATTACHED GARAGES (22 UNITS TOTAL)

SETBACKS (BLDG)	REQUIRED	PROVIDED
FRONT	30 FT.	37.87 FT. MIN.
SIDE	8 FT. / 20 FT. (COMBINED)	17 FT. MIN. / > 20 FT. (COMBINED)
REAR	30 FT.	30 FT. MIN.
BUILDING DENSITY:	37	22
MIN. FLOOR AREA (2-BDRM):	760 SF	> 760 SF
MAX. BUILDING COVERAGE:	35% (1.76 AC)	1.14 AC (22.7%)
MAX. BUILDING HEIGHT:	30 FT. *	< 30 FT.
PARKING: (9'x19')	44	52 SURFACE + 44 GARAGE SPACES = 96 TOTAL
GREENSPACE		
OVERALL:	1.25 AC (25%)	2.77 AC (55.2%)

*PER TOWN BOARD APPROVAL CONDITION 3



Typical Lot Layout

SCALE: 1"=20'

Site Data

SITE AREA = 5.03 AC TOTAL
ZONED: R-4
PROPOSED USE: 2-UNIT RESIDENTIAL TOWNHOUSE BUILDINGS WITH ATTACHED GARAGES (22 UNITS TOTAL)

LOT SIZING	REQUIRED	PROVIDED
AREA (MIN.)	5,850 SF	5,084 SF *
WIDTH (MIN.)	90 FT. (TWO-FAM.)	52.15' *
YARDS		
FRONT (MIN.)	30 FT.	25.0 FT. *
SIDE (MIN.)	8 FT.	0.0 FT. *
SIDE - COMBINED (MIN.)	20 FT.	10 FT. *
REAR (MIN.)	30 FT.	8.0 FT. *
HEIGHT (MAX.)	35 FT.	17.0 FT.
BUILDING COVERAGE (MAX.)	35% (2,048 SF)	44.4% (2,260 SF) *
FLOOR AREA (MIN.)	760 SF (2-BDRM)	> 760 SF

*VARIANCE REQUIRED

NOTE: BOUNDARY AND TOPOGRAPHIC INFORMATION PROVIDED BY OTHERS, CARMINA WOOD DESIGN ASSUMES NO RESPONSIBILITY FOR ITS ACCURACY.

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Proposed Multi-Family

4774 & 4780 Sheridan Drive
Amherst, NY

REVISIONS:

No.	Description	Date
1	Rev. addresses, dim. added	4/17/25
2	Rev. per Town comments	5/9/25

DRAWING NAME:

Preliminary Plat

Date: 3/24
Drawn By: P. She
Scale: As No

DRAWING NO.

P-100

Project No: 23-4091

Attachment: SP-2024-05_A_drawings_062625 (30513 : SP-2024-05_A (Aka SUB-2025-01_PP), 4780 Sheridan Drive)

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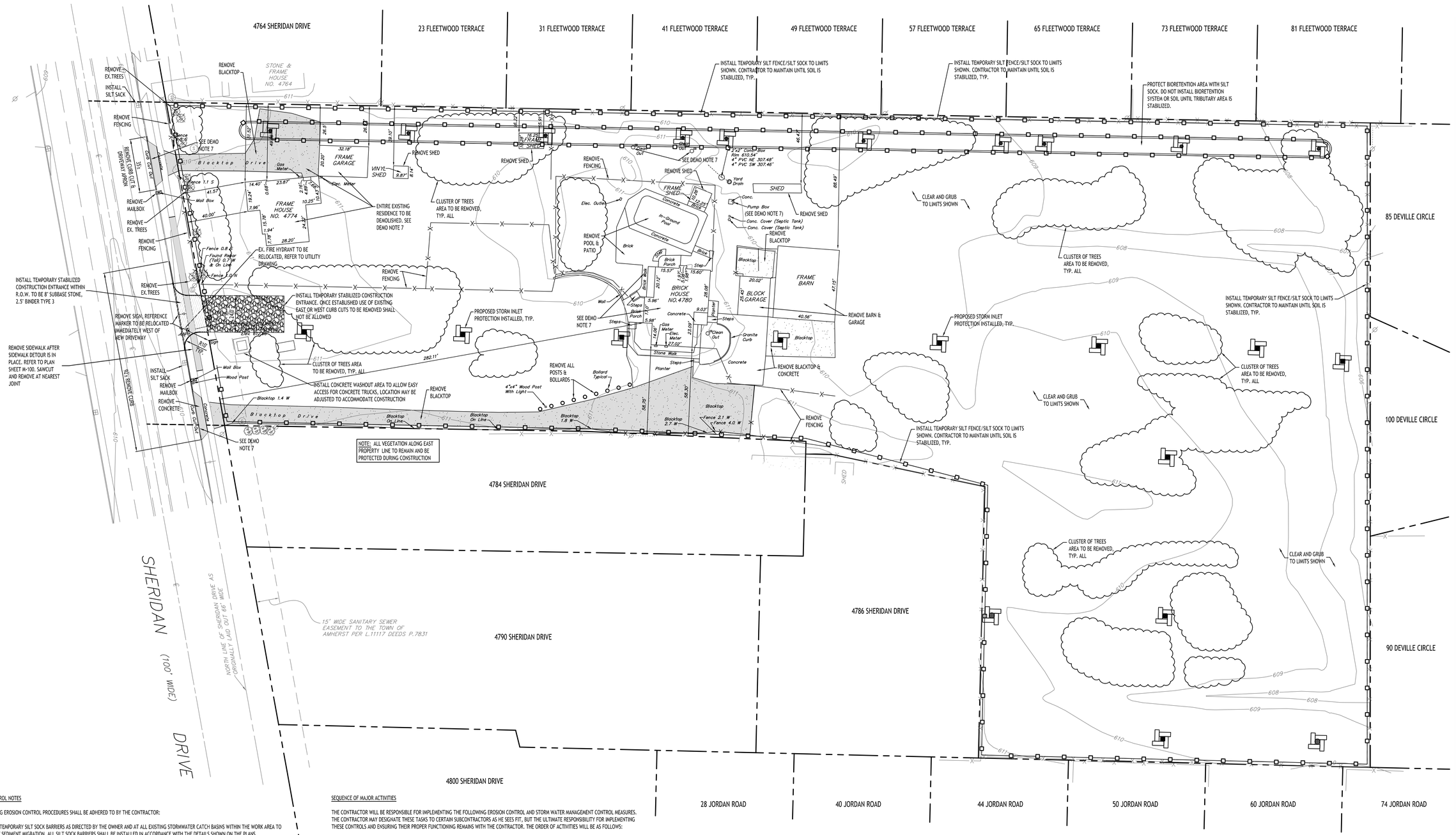

Demolition & Erosion Control Plan

SCALE: 1"=30'

EROSION CONTROL NOTES

THE FOLLOWING EROSION CONTROL PROCEDURES SHALL BE ADHERED TO BY THE CONTRACTOR:

1. INSTALL TEMPORARY SILT SOCK BARRIERS AS DIRECTED BY THE OWNER AND AT ALL EXISTING STORMWATER CATCH BASINS WITHIN THE WORK AREA TO PREVENT SEDIMENT MIGRATION. ALL SILT SOCK BARRIERS SHALL BE INSTALLED IN ACCORDANCE WITH THE DETAILS SHOWN ON THE PLANS.
2. TOPSOIL SHALL BE STRIPPED AND STOCKPILED ON SITE FOR RE-USE AS DIRECTED BY THE OWNER. ALL LOCAL ORDINANCES REGARDING THE SALE OF TOPSOIL MUST BE FOLLOWED. TOPSOIL MAY NOT BE REMOVED WITHOUT A PERMIT.
3. ALL SILT SOCK BARRIERS SHALL BE REPLACED WHEREVER THEY BECOME CLOGGED OR INOPERABLE.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTENANCE AND REMOVAL OF TEMPORARY SEDIMENTATION CONTROLS.
5. THE CONTRACTOR MUST CONTROL DUST DURING CONSTRUCTION. DURING EARTHWORK OPERATIONS, WATER-SPREADING EQUIPMENT SHALL BE PROVIDED BY THE CONTRACTOR, AND SPREAD WATER AS NECESSARY AND AS DIRECTED BY THE OWNER IN ORDER TO CONTROL DUST.
6. DIRT OR DEBRIS LEFT ON LOCAL PUBLIC ROADS AS A RESULT OF THIS CONSTRUCTION PROJECT SHALL BE REMOVED AND ROAD SURFACES CLEANED BY THE CONTRACTOR ON A DAILY BASIS.
7. ALL DISTURBED AREAS (EXCEPT AREAS TO BE PAVED OR BUILT UPON) SHALL BE TOPSOILED TO A MINIMUM 4" DEPTH AND SEEDED IMMEDIATELY AFTER FINE GRADING TAKES PLACE AND AS SOON AS PHYSICALLY POSSIBLE.
8. THE CONTRACTOR IS RESPONSIBLE FOR THE MAINTENANCE OF DOWNSTREAM STORM SEWERS, DITCHES, AND CULVERTS. SILT BUILDUP FOUND TO BE A RESULT OF THIS SITE CONSTRUCTION WORK SHALL BE REMOVED FROM DOWNSTREAM CULVERTS BY THE CONTRACTOR AT NO ADDITIONAL EXPENSE TO THE OWNER OR THE TOWN/CITY.
9. ALL SOIL EROSION AND SEDIMENT CONTROL DEVICES AND MATERIALS SHALL BE IN PLACE PRIOR TO BEGINNING EARTHWORK OPERATIONS AND SHALL BE MAINTAINED UNTIL THE NEW SLOPES ARE STABILIZED WITH SEEDING AND/OR SLOPE PROTECTION, AS DIRECTED BY THE ENGINEER.
10. INSTALL TEMPORARY SILT SOCK AROUND THE BASE OF STOCKPILES. STOCKPILES NOT BEING ACTIVELY USED FOR MORE THAN SEVEN (7) DAYS SHALL BE STABILIZED.
11. THE PROFESSIONAL CERTIFYING COMPLIANCE TO NYSDEC PHASE II STORMWATER REGULATION REQUIREMENTS MUST INSPECT AT A MINIMUM WEEKLY, AND WHEN DISTURBING MORE THAN 5 ACRES TWICE A WEEK, AND SHALL PROVIDE THESE INSPECTION REPORT WITH A WRITTEN CERTIFICATION OF CONSTRUCTION COMPLIANCE TO THE TOWN OF AMHERST (BI)WEEKLY.
12. THE ENGINEER OF RECORD FOR THIS PROJECT CERTIFIES THAT THESE DESIGN PLANS MEET THE REQUIREMENTS AND ARE IN COMPLIANCE WITH THE NEW YORK STORMWATER MANAGEMENT DESIGN MANUAL AND NYSDEC PHASE II STORMWATER REGULATION REQUIREMENTS.

SEQUENCE OF MAJOR ACTIVITIES

THE CONTRACTOR WILL BE RESPONSIBLE FOR IMPLEMENTING THE FOLLOWING EROSION CONTROL AND STORM WATER MANAGEMENT CONTROL MEASURES. THE CONTRACTOR MAY DESIGNATE THESE TASKS TO CERTAIN SUBCONTRACTORS AS HE SEES FIT, BUT THE ULTIMATE RESPONSIBILITY FOR IMPLEMENTING THESE CONTROLS AND ENSURING THEIR PROPER FUNCTIONING REMAINS WITH THE CONTRACTOR. THE ORDER OF ACTIVITIES WILL BE AS FOLLOWS:

A. INSTALL STABILIZED CONSTRUCTION ENTRANCE
B. INSTALL PERIMETER SILT FENCES/SILT SOCK IN THE LOCATIONS SHOWN ON THE DEMOLITION AND EROSION CONTROL PLAN SHEET.
C. CLEAR & GRUB SITE.
D. INSTALLATION OF UNDERGROUND DETENTION BASIN.
E. COMMENCE SITE GRADING.
F. DISTURBED AREAS OF THE SITE WHERE CONSTRUCTION ACTIVITY HAS CEASED FOR MORE THAN 14 DAYS SHALL BE TEMPORARILY SEEDED AND WATERED.
G. CONSTRUCTION OF BUILDINGS.
H. INSTALLATION OF PROPOSED UTILITIES.
I. FINALIZE PAVEMENT SUBGRADE PREPARATION.
J. CONSTRUCT ALL CURB, DRAINAGE INLETS, STORM SEWER PIPES AND STORM SEWER MANHOLES, AS SHOWN ON PLANS. INSTALL TEMPORARY INLET PROTECTION AT THE LOCATION OF ALL INLETS.
K. DUCT CONTROL.
L. REMOVE INLET PROTECTION AROUND INLETS AND MANHOLES NO MORE THAN 48 HOURS PRIOR TO PLACING STABILIZED BASE COURSE.
M. INSTALL BASE MATERIAL AS REQUIRED FOR PAVEMENT.
N. CARRY OUT FINAL GRADING AND SEEDING AND PLANTINGS.
O. CLEAN STORM SYSTEM FOLLOWING CONSTRUCTION, CLEAN UNDERGROUND DETENTION BASIN AS PER MANUFACTURER RECOMMENDATIONS.
P. REMOVE SILT FENCE/SILT SOCK ONLY AFTER ALL PAVING IS COMPLETE AND EXPOSED SURFACES ARE STABILIZED.
Q. REMOVE TEMPORARY CONSTRUCTION EXITS ONLY PRIOR TO PAVEMENT CONSTRUCTION IN THESE AREAS.

DEMOLITION NOTES:

1. ALL PERIMETER SILT SOCK TO BE INSTALLED PRIOR TO CONSTRUCTION ACTIVITY BEGINNING.
2. CONTRACTOR SHALL TAKE PRECAUTIONS TO PROTECT THOSE ITEMS TO REMAIN, SUCH AS TREES, PROPERTY CORNER PINS, UTILITY POLES, VALVES, HYDRANTS, CURBS, MANHOLES AND CATCH BASINS.
3. TEMPORARY SILT SOCK TO BE INSTALLED AS DIRECTED BY THE OWNERS FIELD REPRESENTATIVE. MAINTAIN UNTIL VEGETATION IS ESTABLISHED AND PAVEMENT IS INSTALLED.
4. AS NECESSARY, COVERED DUMPSTERS SHALL BE PROVIDED ONSITE AS REQUIRED FOR CONSTRUCTION WASTE.
5. REMOVE ALL TREES AND STUMPS AS SHOWN AND DISPOSE OF OFF SITE. CONTRACTOR TO PROTECT ALL TREES/BRUSH NOT DISTURBED BY CONSTRUCTION ACTIVITY. LOCATIONS OF TREES SHOWN ON PLAN ARE APPROXIMATE, CONTRACTOR TO CONFIRM LOCATION PRIOR TO CONSTRUCTION.
6. CONTRACTOR TO COORDINATE WITH TOWN LANDSCAPE ARCHITECT WHICH TREES SHALL BE REMOVED AND WHICH SHALL REMAIN AND BE PROTECTED DURING CONSTRUCTION.
7. EXISTING CURB AND REMOVAL OF EXISTING ENTRANCE SHALL BE SAW CUT FULL-DEPTH AND NEATLY REMOVED FROM THE BACKSIDE, EXISTING PAVEMENT SHALL NOT BE DISTURBED AND THE PAVEMENT EDGE SHALL BE USED AS FORM FOR PLACING NEW CURB.
8. THE NORTHERN LONG-EARED BAT (NLEB) (MYOTIS SEPTENTRIONALIS) IS AN ENDANGERED SPECIES WHICH ENCOMPASSES ALL OF NEW YORK STATE AND IS REGULATED UNDER U.S. FISH AND WILDLIFE SERVICE (USFWS) AND NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION (NYSDEC). PLEASE ADVISE THE PERMITTEE THAT SHOULD TREE REMOVALS BE NECESSARY IN THE NYSDOT RIGHT-OF-WAY (ROW), THE PERMITTEE IS RESPONSIBLE FOR COORDINATING AND OBTAINING ALL THE NECESSARY PERMITS AND APPROVALS WITH THE NYSDEC. FURTHERMORE, TREES WILL NOT BE PERMITTED TO BE CUT ON STATE RIGHT-OF-WAY (ROW) FROM MAY 1ST THROUGH JULY 31ST, TO PROTECT THE PUP SEASON FOR THE NLEB. THE PERMITTEE WILL BE REQUIRED TO PROVIDE PROOF OF COORDINATION PRIOR TO NYSDOT ISSUING THE HIGHWAY WORK PERMIT" TO THE PLAN SHEETS.

DEMOLITION & EROSION CONTROL LEGEND

- EXISTING PAVEMENT TO BE SAWCUT & REMOVED
- PROPOSED SILT SOCK
- EXISTING TREE TO BE REMOVED
- PROPOSED STORM INLET PROTECTION

NOTE: BOUNDARY AND TOPOGRAPHIC INFORMATION PROVIDED BY OTHERS, CARMINA WOOD DESIGN ASSUMES NO RESPONSIBILITY FOR ITS ACCURACY.

30' 30 0 30 60Ft.

CARMINAWOOD DESIGN
Buffalo | Utica | Greensboro

Proposed Multi-Family

4774 & 4780 Sheridan Drive
Amherst, NY

REVISIONS:

No.	Description	Date
1	Rev. per Town comments	6/12/24
2	Rev. per DOT comments	11/1/24
3	Rev. per DOT comments	2/3/25
4	Clump tree areas added	2/18/25

Attachment: SP-2024-05_A (Aka SUB-2025-01_PP), 4780 Sheridan Drive) [30513 : SP-2024-05_A_drawings_062625]

STATE OF NEW YORK
R. CHRISTOPHER WOOD
076394
REGISTERED PROFESSIONAL ENGINEER

DRAWING NAME:
Demolition & Erosion Control Plan

Date: 4/22
Drawn By: P. She
Scale: As No

DRAWING NO.
C-001

Project No: 23-4091

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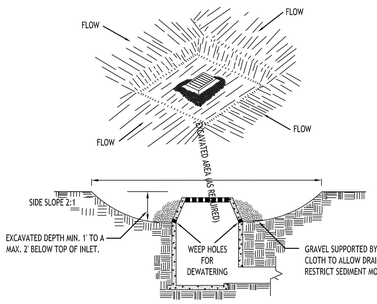


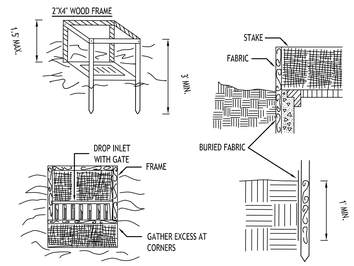
CONSTRUCTION SPECIFICATIONS

1. CLEAR THE AREA OF ALL DEBRIS THAT WILL HINDER EXCAVATION.
2. GRADE APPROACH TO THE INLET UNIFORMLY AROUND THE BASIN.
3. WEEP HOLES SHALL BE PROTECTED BY GRAVEL.
4. UPON STABILIZATION OF CONTRIBUTING DRAINAGE AREA, SEAL WEEP HOLES, FILL BASIN WITH STABLE SOIL TO FINAL GRADE, COMPACT IT PROPERLY AND STABILIZE WITH PERMANENT SEEDING.

MAXIMUM DRAINAGE AREA 1 ACRE

INLET PROTECTION DETAIL 1

NOT TO SCALE



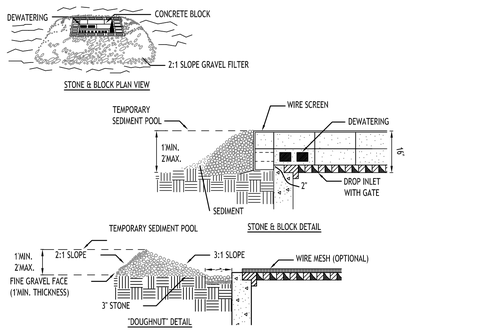
CONSTRUCTION SPECIFICATIONS

1. FILTER FABRIC SHALL HAVE AN EOS OF 40-85. BURLAP MAY BE USED FOR SHORT TERM APPLICATIONS.
2. CUT FABRIC FROM A CONTINUOUS ROLL TO ELIMINATE JOINTS. IF JOINTS ARE NEEDED THEY WILL BE OVERLAPPED TO THE NEXT STAKE.
3. STAKE MATERIALS WILL BE STANDARD 2" x 4" WOOD OR EQUIVALENT. METAL WITH A MINIMUM LENGTH OF 3 FEET.
4. SPACE STAKES EVENLY AROUND INLET 3 FEET APART AND DRIVE A MINIMUM 18 INCHES DEEP. SPANS GREATER THAN 3 FEET MAY BE BRIDGED WITH THE USE OF WIRE MESH BEHIND THE FILTER FABRIC FOR SUPPORT.
5. FABRIC SHALL BE EMBEDDED 1 FOOT MINIMUM BELOW GROUND AND BACKFILLED. IT SHALL BE SECURELY FASTENED TO THE STAKES AND FRAME.
6. A 2" x 4" WOOD FRAME SHALL BE COMPLETED AROUND THE CREST OF THE FABRIC FOR OVER FLOW STABILITY.

MAXIMUM DRAINAGE AREA 1 ACRE

INLET PROTECTION DETAIL 2

NOT TO SCALE



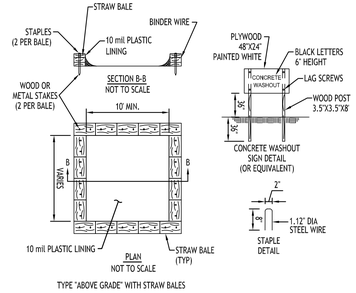
CONSTRUCTION SPECIFICATIONS

1. LAY ONE BLOCK ON EACH SIDE OF THE STRUCTURE ON ITS SIDE FOR DEWATERING. FOUNDATION SHALL BE 2 INCHES MINIMUM BELOW REST OF INLET AND BLOCKS SHALL BE PLACED AGAINST INLET FOR SUPPORT.
2. HARDWARE CLOTH OR 1/2" WIRE MESH SHALL BE PLACED OVER BLOCK OPENINGS TO SUPPORT STONE.
3. USE CLEAN STONE OR GRAVEL 1/2-3/4 INCH IN DIAMETER PLACED 2 INCHES BELOW TOP OF THE BLOCK ON A 2:1 SLOPE OR FLATTER.
4. FOR STONE STRUCTURES ONLY, A 1 FOOT THICK LAYER OF THE FILTER STONE WILL BE PLACED AGAINST THE 3 INCH STONE AS SHOWN ON THE DRAWINGS.

MAXIMUM DRAINAGE AREA 1 ACRE

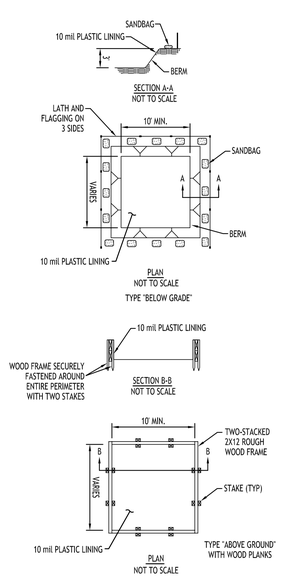
INLET PROTECTION DETAIL 3

NOT TO SCALE



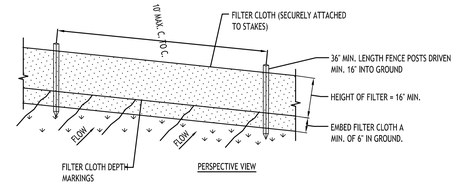
NOTES

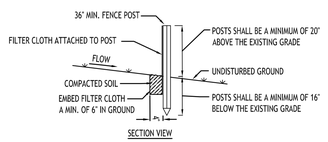
1. ACTUAL LAYOUT TO BE DETERMINED IN THE FIELD.
2. A CONCRETE WASHOUT SIGN SHALL BE INSTALLED WITHIN 30' OF THE TEMPORARY CONCRETE WASHOUT FACILITY.
3. MATERIALS USED TO CONSTRUCT TEMPORARY CONCRETE WASHOUT FACILITIES SHALL BE REMOVED FROM THE SITE OF THE WORK AND DISPOSED OF OR RECYCLED.
4. HOLES, DEPRESSIONS OR OTHER GROUND DISTURBANCE CAUSED BY THE REMOVAL OF THE TEMPORARY CONCRETE WASHOUT FACILITIES SHALL BE BACKFILLED, REPAIRED, AND STABILIZED TO PREVENT EROSION.



CONCRETE WASHOUT DETAIL

NOT TO SCALE



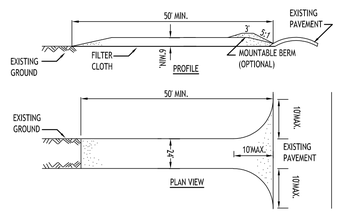


CONSTRUCTION SPECIFICATIONS

1. WOVEN FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES. POSTS SHALL BE STEEL EITHER "T" OR "U" TYPE OR HARDWOOD.
2. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVER-LAPPED BY SIX INCHES AND FOLDED. FILTER CLOTH SHALL BE EITHER FILTER X, MIRAFI 100X, STABLINKA T140N, OR APPROVED EQUIVALENT.
3. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.

SILT FENCE DETAIL

NOT TO SCALE

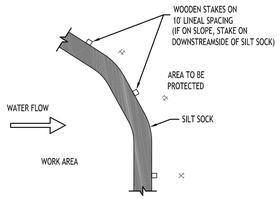


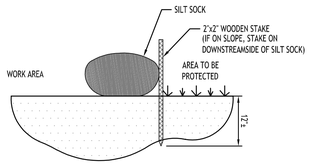
CONSTRUCTION SPECIFICATIONS

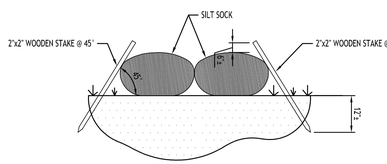
1. STONE SIZE - USE 2" STONE, OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT.
2. LENGTH - NOT LESS THAN 50 FEET (EXCEPT ON A SINGLE RESIDENCE LOT WHERE A 30 FOOT MINIMUM LENGTH WOULD APPLY).
3. THICKNESS - NOT LESS THAN SIX (6) INCHES.
4. WIDTH - TWENTY FOUR FEET PER NYSDOT.
5. FILTER CLOTH - WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE.
6. SURFACE WATER - ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED ACROSS 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 TRACTED 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.

STABILIZED CONSTRUCTION ENTRANCE DETAIL

NOT TO SCALE







NOTES:

CONTRACTOR SHALL INSPECT AND MAINTAIN SILT SOCK AS NEEDED DURING THE DURATION OF CONSTRUCTION PROJECT.

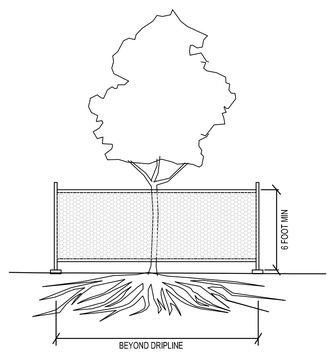
CONTRACTOR SHALL REMOVE SEDIMENT COLLECTED AT THE BASE OF THE SILT SOCK WHEN IT HAS REACHED ½ OF THE EXPOSED HEIGHT OF THE SILT SOCK. ALTERNATIVELY, RATHER THAN CREATE A SOIL DISTURBING ACTIVITY, THE ENGINEER MAY CALL FOR ADDITIONAL SILT SOCK TO BE ADDED AT AREAS OF HIGH SEDIMENTATION, PLACED IMMEDIATELY ON TOP OF THE EXISTING SEDIMENT LADEN SILT SOCK.

SILT SOCK SHALL BE OVERLAPPED 12" AT JOINTS AND STAKED ON EACH SIDE OF THE SOCK AT A 45° ANGLE

SILT SOCK DETAIL

NOT TO SCALE

PLAN VIEW OF ROOTS



EXISTING TREE PROTECTION FENCE

MATERIALS

MATERIALS FOR TEMPORARY PLASTIC BARRIER FENCES SHALL MEET THE FOLLOWING REQUIREMENTS:

- FENCE: HIGH-DENSITY POLYETHYLENE MESH, ULTRAVIOLET-STABILIZED MIN. 2 YEARS; MINIMUM HEIGHT 4.0 FEET. COLOR: HIGH-VISIBILITY ORANGE OR GREEN. WHEN USED TO PROTECT TREES OR OTHER VEGETATION. COLOR SHALL BE HIGH-VISIBILITY ORANGE.
- POSTS: RIGID METAL OR WOOD POSTS, MINIMUM LENGTH 6.0 FEET.
- TIES: STEEL WIRE, #14 GAUGE OR NYLON CABLE TIES.
- WARNING SIGNS: SHEET METAL, PLASTIC OR OTHER RIGID, WATERPROOF MATERIAL, 1.5 FEET BY 2.0 FEET WITH 4 INCH BLACK LETTERS ON A WHITE BACKGROUND. TEXT SHALL BE: "PROTECTED SITE - KEEP OUT" UNLESS OTHERWISE SPECIFIED.

DETAILS

FENCES SHALL BE ERECTED PRIOR TO MOVING CONSTRUCTION EQUIPMENT ONTO ANY AREA DESIGNATED FOR PROTECTION.

THE LINE OF FENCES SHALL BE STAKED OR MARKED OUT ON THE GROUND BY THE CONTRACTOR AND APPROVED BY THE ENGINEER/OWNER BEFORE ANY FENCE IS INSTALLED. WHERE USED FOR PROTECTION OF INDIVIDUAL TREES, FENCE SHALL BE PLACED AT THE DRIP LINE (EXTENT OF CANOPY). IF NOT POSSIBLE, PLACEMENT SHALL BE AS CLOSE TO THE DRIP LINE AS POSSIBLE AND IN NO CASE LESS THAN 5.0 FEET AWAY FROM THE TREE TRUNK.

ON APPROVAL OF THE STAKEOUT, POSTS SHALL BE SECURELY DRIVEN ON 6.0 FOOT-MAXIMUM CENTERS, NORMAL TO THE GROUND, TO A DEPTH 1/3 OF THE TOTAL POST LENGTH. PLASTIC BARRIER FENCE SHALL BE PLACED ALONG THE SIDE OF ALL POSTS. ENDS OF FENCING SEGMENTS SHALL OVERLAP A DISTANCE OF AT LEAST ONE HALF THE FENCE HEIGHT.

FENCING SHALL BE SECURED TO POSTS WITH WIRE OR CABLE TIES AT TOP, MIDDLE AND BOTTOM OF POST. FASTENER SHALL BE TIGHT ENOUGH TO PREVENT THE FENCING FROM SLIPPING DOWN. OVERLAPS SHALL ALSO BE SECURELY FASTENED.

BARRIER FENCE WHICH IS NOT ORANGE IN COLOR SHALL BE FLAGGED AT 6.0 FOOT INTERVALS WITH RED OR ORANGE FLORESCENT TAPE. WARNING SIGNS SHALL BE MOUNTED ON THE FENCE AT NO MORE THAN 100 FOOT INTERVALS.

MAINTENANCE SHALL COMMENCE IMMEDIATELY AFTER ERECTION OF THE FENCE AND CONTINUE UNTIL ONE WEEK PRIOR TO ACCEPTANCE OF THE CONTRACT, AND SHALL CONSIST OF: REPLACING DAMAGED POST(S) AND FENCING; RE-FASTENING AND TIGHTENING FENCING; AND RESTORING FENCE TO ITS INTENDED HEIGHT.

FENCING USED FOR TREE OR OTHER VEGETATION PROTECTION SHALL NOT BE TEMPORARILY REMOVED TO ALLOW EQUIPMENT ACCESS OVER A PROTECTED AREA, EXCEPT AS REQUIRED FOR ITEMS OF WORK SPECIFICALLY SHOWN ON THE PLANS AND APPROVED BY THE ENGINEER IN WRITING.

TREE PROTECTION DETAIL

NOT TO SCALE

CARMINAWOOD DESIGN
Buffalo | Utica | Greensboro

Proposed Multi-Family

4774 & 4780 Sheridan Drive
Amherst, NY

REVISIONS:

No.	Description	Date
1	Rev. per DOT comments	11/1/24
2	Rev. per DOT comments	2/3/25

DRAWING NAME:

Demolition & Erosion Control Details

Date: 4/22
Drawn By: P. She
Scale: As No

DRAWING NO.

C-002

Project No: 23-4091

Attachment: SP-2024-05_A_drawings_062625 (30513 : SP-2024-05_A (Aka SUB-2025-01_PP), 4780 Sheridan Drive)

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PARKING CALCULATION:

"MULTI-FAMILY"
2 SPACES PER UNIT
22 UNITS x 2 = 44 SPACES REQD (9'x19')

BUILDING DENSITY REQUIREMENTS:

PER R-4 ZONING REQUIREMENTS

5,850 SF / DWELLING
5.03 AC * 43,560 SF = 219,106 SF / 5,850 SF = 37.5

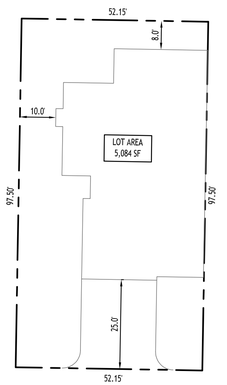
37 UNITS ALLOWED

Site Data

SITE AREA = 5.03 AC TOTAL
ZONED: R-4
PROPOSED USE: 2-UNIT RESIDENTIAL TOWNHOUSE BUILDINGS WITH ATTACHED GARAGES (22 UNITS TOTAL)

SETBACKS (BLDG)	REQUIRED	PROVIDED
FRONT	30 FT.	37.87 FT. MIN.
SIDE	8 FT. / 20 FT. (COMBINED)	17 FT. MIN. / > 20 FT. (COMBINED)
REAR	30 FT.	30 FT. MIN.
BUILDING DENSITY:	37	22
MIN. FLOOR AREA (2-BDRM):	760 SF	> 760 SF
MAX. BUILDING COVERAGE:	35% (1.76 AC)	1.14 AC (22.7%)
MAX. BUILDING HEIGHT:	30 FT. *	< 30 FT.
PARKING: (9'x19')	44	52 SURFACE + 44 GARAGE SPACES = 96 TOTAL
GREENSPACE		
OVERALL:	1.25 AC (25%)	2.77 AC (55.2%)

*PER TOWN BOARD APPROVAL CONDITION 3



Typical Lot Layout

SCALE: 1"=20'

Site Data

SITE AREA = 5.03 AC TOTAL
ZONED: R-4
PROPOSED USE: 2-UNIT RESIDENTIAL TOWNHOUSE BUILDINGS WITH ATTACHED GARAGES (22 UNITS TOTAL)

LOT SIZING	REQUIRED	PROVIDED
AREA (MIN.)	5,850 SF	5,084 SF *
WIDTH (MIN.)	90 FT. (TWO-FAM.)	52.15' *
YARDS		
FRONT (MIN.)	30 FT.	25.0 FT. *
SIDE (MIN.)	8 FT.	0.0 FT. *
SIDE - COMBINED (MIN.)	20 FT.	10 FT. *
REAR (MIN.)	30 FT.	8.0 FT. *
HEIGHT (MAX.)	35 FT.	17.0 FT.
BUILDING COVERAGE (MAX.)	35% (2,048 SF)	44.4% (2,260 SF) *
FLOOR AREA (MIN.)	760 SF (2-BDRM)	> 760 SF

*VARIANCE REQUIRED

Preliminary Plat

SCALE: 1"=30'

NOTE: BOUNDARY AND TOPOGRAPHIC INFORMATION PROVIDED BY OTHERS, CARMINA WOOD DESIGN ASSUMES NO RESPONSIBILITY FOR ITS ACCURACY.

30 0 30 60Ft.
30'

CARMINAWOOD DESIGN
Buffalo | Utica | Greensboro

Proposed Multi-Family

4774 & 4780 Sheridan Drive
Amherst, NY

REVISIONS:

No.	Description	Date
1	Rev. addresses, dim. added	4/17/25

STATE OF NEW YORK
CHRISTOPHER ROSS
087694
LICENSED PROFESSIONAL ENGINEER

DRAWING NAME:

Preliminary Plat

Date: 3/24
Drawn By: P. She
Scale: As No

DRAWING NO.

P-100

Project No: 23-4091

Attachment: SP-2024-05_A_drawings_062625 (30513 : SP-2024-05_A (Aka SUB-2025-01_PP), 4780 Sheridan Drive)

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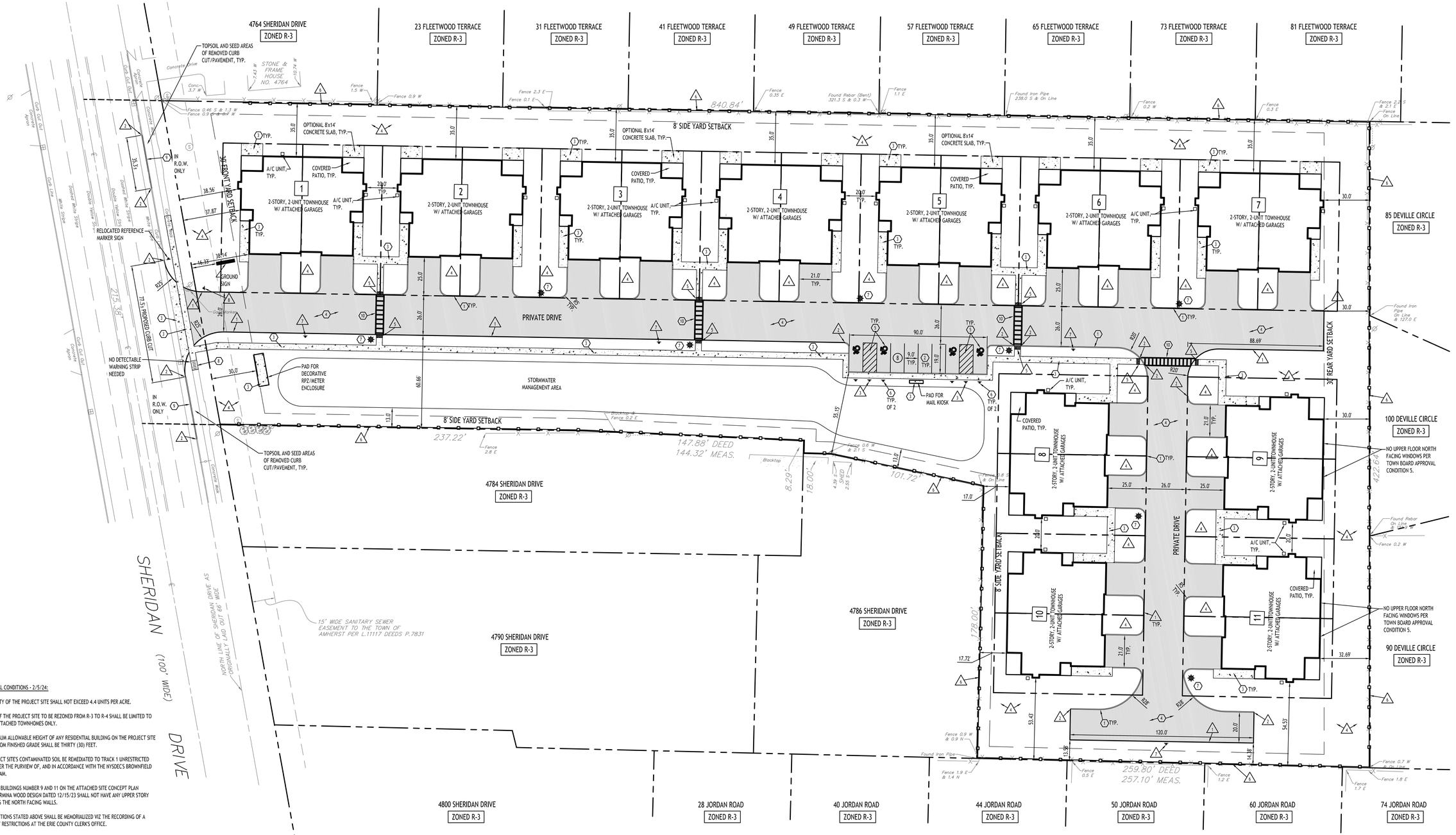

TOWN BOARD APPROVAL CONDITIONS - 2/5/24:

1. THAT THE DENSITY OF THE PROJECT SITE SHALL NOT EXCEED 4.4 UNITS PER ACRE.
2. THAT THE USE OF THE PROJECT SITE TO BE REZONED FROM R-3 TO R-4 SHALL BE LIMITED TO TWO (2) UNIT-ATTACHED TOWNHOMES ONLY.
3. THAT THE MAXIMUM ALLOWABLE HEIGHT OF ANY RESIDENTIAL BUILDING ON THE PROJECT SITE AS MEASURED FROM FINISHED GRADE SHALL BE THIRTY (30) FEET.
4. THAT THE PROJECT SITE'S CONTAMINATED SOIL BE REMEDIATED TO TRACK 1 UNRESTRICTED STANDARDS UNDER THE PURVIEW OF, AND IN ACCORDANCE WITH THE NYSDEC'S BROWNFIELD CLEANUP PROGRAM.
5. THAT PROPOSED BUILDINGS NUMBER 9 AND 11 ON THE ATTACHED SITE CONCEPT PLAN PREPARED BY CARMINA WOOD DESIGN DATED 12/15/23 SHALL NOT HAVE ANY UPPER STORY WINDOWS ALONG THE NORTH FACING WALLS.
6. THAT THE CONDITIONS STATED ABOVE SHALL BE MEMORIALIZED VIZ THE RECORDING OF A DECLARATION OF RESTRICTIONS AT THE ERIE COUNTY CLERK'S OFFICE.

Site Data

SITE AREA = 5.03 AC TOTAL
ZONED: R-4
PROPOSED USE: 2-UNIT RESIDENTIAL TOWNHOUSE BUILDINGS WITH ATTACHED GARAGES (22 UNITS TOTAL)

SETBACKS (BLDG)	REQUIRED	PROVIDED
FRONT	30 FT.	37.87 FT. MIN.
SIDE	8 FT. / 20 FT. (COMBINED)	17 FT. MIN. / > 20 FT. (COMBINED)
REAR	30 FT.	30 FT. MIN.
BUILDING DENSITY:	37	22
MIN. FLOOR AREA (2-BDRM):	760 SF	> 760 SF
MAX. BUILDING COVERAGE:	35% (1.76 AC)	1.14 AC (22.7%)
MAX. BUILDING HEIGHT:	30 FT. *	< 30 FT.
PARKING: (9'x19')	44	52 SURFACE + 44 GARAGE SPACES = 96 TOTAL
GREENSPACE		
OVERALL:	1.25 AC (25%)	2.77 AC (55.2%)

*PER TOWN BOARD APPROVAL CONDITION 3

PARKING CALCULATION:

"MULTI-FAMILY"
2 SPACES PER UNIT
22 UNITS x 2 = 44 SPACES REQD (9'x19')

BUILDING DENSITY REQUIREMENTS:

PER R-4 ZONING REQUIREMENTS

5,850 SF / DWELLING
5.03 AC * 43,560 SF = 219,106 SF / 5,850 SF = 37.5

37 UNITS ALLOWED

DETAIL LEGEND (SEE SITE DETAIL SHEET)

1. TYPE 'A' CONCRETE CURBING
2. 90° PARKING STALL
3. CONCRETE SIDEWALK, 5' WIDE UNLESS OTHERWISE NOTED
4. STANDARD DUTY ASPHALT
5. HANDICAP PAVEMENT MARKINGS
6. HANDICAPPED PARKING SIGN
7. LIGHT POLE FOUNDATION
8. SIDEWALK CURB RAMP
9. NYSDOT CONCRETE CURB
10. CROSSWALK STRIPING

NOTE LEGEND

1. EDGE OF PAVEMENT
2. RUNOUT CURB IN 2' OR MATCH EXISTING CURB
3. INSTALL 'NO PARKING' SIGN, M.U.T.C.D. SIGN NO. R7-1C
4. LANDSCAPED AREA - SEE LANDSCAPE PLAN, IF NO PLANTINGS, INSTALL TOPSOIL & SEED
5. DETECTABLE WARNING STRIP
6. 6' HT. ACTIVE YARDS 'DOGWOOD' VINYL FENCE - COLOR CYPRESS, OR APPROVED EQUAL
7. INSTALL 'NO PARKING FIRE LANE' SIGN
8. INSTALL 'STOP' SIGN, M.U.T.C.D. SIGN NO. R1-1

Site Plan

SCALE: 1"=30'

SITE NOTES:

1. ALL RADII SHALL BE 3'-0" UNLESS OTHERWISE NOTED.
2. ALL DISTURBED AREAS: SHALL HAVE 4" MIN. OF TOPSOIL AND SEED.
3. ALL DIMENSIONS FROM PROPERTY LINES SHALL BE MEASURED PERPENDICULAR TO THE PROPERTY LINE.
4. CENTER ENTRANCE SIDEWALKS ON DOOR OPENINGS.
5. BUILDING DIMENSIONS ARE APPROXIMATE, REFER TO ARCHITECTURAL DRAWINGS FOR LAYOUT DIMENSIONS.
6. ALL HANDICAP RAMPS (NOT WITHIN THE NYSDOT R.O.W.) AND/OR SIDEWALKS FLUSH TO PAVEMENT SHALL HAVE ADA COMPLIANT TACTILE WARNING STRIPS WHERE ENTERING PARKING AREAS/DRIVEWAYS. SIDEWALKS FLUSH TO PAVEMENT WITHIN THE NYSDOT R.O.W. SHALL ADHERE TO THE NOTES AND DESIGN REGULATIONS AS STATED ON NYSDOT STANDARD SHEET 608-01.
7. EXISTING TREE LOCATIONS ARE APPROXIMATE, CONTRACTOR TO LOCATE LOCATIONS PRIOR TO CONSTRUCTION AND COORDINATE WITH TOWN LANDSCAPE ARCHITECT WHICH TREES SHALL BE REMOVED AND WHICH SHALL REMAIN AND BE PROTECTED DURING CONSTRUCTION.

GENERAL NOTES:

1. INSTALL ALL MATERIALS TO MANUFACTURER'S RECOMMENDATIONS AND BEST STANDARDS OF TRADE INVOLVED.
2. SUBSTITUTIONS SHALL BE MADE ONLY WITH OWNER'S APPROVAL AND BE OF EQUIVALENT QUALITY TO WHAT IS SPECIFIED.
3. WORK SHALL BE COMPLETED IN STRICT ACCORDANCE WITH ALL LOCAL CODES AND OSHA SAFETY RULES AND REGULATIONS.
4. VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS AT THE SITE. NOTIFY OWNER & ENGINEER OF DISCREPANCIES IN CONDITIONS SHOWN ON DRAWINGS PRIOR TO PROCEEDING WITH THE WORK.
5. CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTION OF ANY EXISTING STRUCTURES TO REMAIN AND ANY FINISH MATERIAL INSTALLED WHILE WORKING ON OTHER COMPONENTS.
6. CONTRACTOR SHALL KEEP JOB FREE OF DEBRIS AND MAKE FINAL CLEANUP TO SATISFACTION OF OWNER.
7. CONTRACTOR SHALL ASCERTAIN THE LOCATION OF ALL UTILITIES PRIOR TO CONSTRUCTION SO THAT THIS WORK WILL NOT DISTURB EXISTING LINES AND/OR INSTALLATIONS. COORDINATE ALL WORK WITH THE APPLICABLE UTILITY COMPANIES.
8. ALL OTHER PERMITS REQUIRED BY STATE OF NEW YORK, COUNTY OF ERIE, AND TOWN OF CLARENCE ARE THE RESPONSIBILITY OF THE CONTRACTOR/DEVELOPER/OWNER.
9. EXISTING CURB AND REMOVAL OF EXISTING ENTRANCE SHALL BE SAW CUT FULL-DEPTH AND NEATLY REMOVED FROM THE BACKSIDE, EXISTING PAVEMENT SHALL NOT BE DISTURBED AND THE PAVEMENT EDGE SHALL BE USED AS FORM FOR PLACING NEW CURB.

SITE LEGEND

- PROPERTY LINE
- PROPOSED SIDEWALK / CONCRETE PAD
- NUMBER OF PARKING SPACES (37)
- PROPOSED SIGN
- PROPOSED STANDARD DUTY ASPHALT PAVEMENT
- PROPOSED LIGHT POLE

NOTE: BOUNDARY AND TOPOGRAPHIC INFORMATION PROVIDED BY OTHERS, CARMINA WOOD DESIGN ASSUMES NO RESPONSIBILITY FOR ITS ACCURACY.

30 0 30 60FT.

CARMINAWOOD DESIGN
Buffalo | Utica | Greensboro

Proposed Multi-Family

4774 & 4780 Sheridan Drive
Amherst, NY

REVISIONS:

No.	Description	Date
	Rev. per Town comments	6/3/24
	Rev. per Town comments	6/20/24
	Rev. per DOT comments	11/1/24
	Rev. per DOT comments	11/13/24
	Rev. per Town comments	2/3/25
	Rev. per Town comments	2/20/25
	Rev. per NYSDOT comments	3/6/25

Attachment: SP-2024-05_A_drawings_062625 (30513 : SP-2024-05_A (Aka SUB-2025-01_PP), 4780 Sheridan Drive)

STATE OF NEW YORK
CHRISTOPHER NOCE
LICENSED
07639A
PROFESSIONAL ENGINEER

DRAWING NAME:

Site Plan

Date: 4/22
Drawn By: P. She
Scale: As No

DRAWING NO.

C-100

Project No: 23-4091

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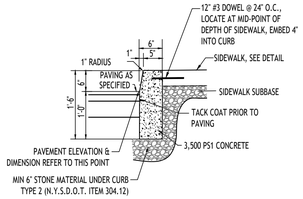
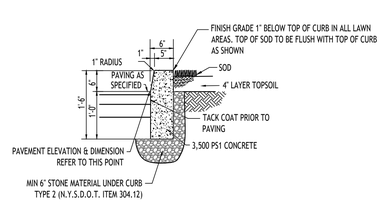


ABUTTING SIDEWALK

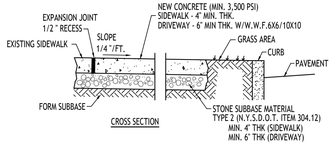


ABUTTING LANDSCAPE/GRASS

NOTES:
1. CONTROL JOINTS TO BE 2" DEEP AT 15'-0" O.C. - SEE SPECIFICATIONS FOR FURTHER JOINT REQUIREMENTS NYSDOT 702-0700.
2. WHERE THE CURB DROPS (IS FLUSH WITH ASPHALT) THE DEPTH OF CURB BELOW GRADE SHALL BE INCREASED TO 1'-6" AND OTHER DIMENSIONS ADJUSTED ACCORDINGLY.

TYPE "A" CONCRETE CURB - 1

NOT TO SCALE

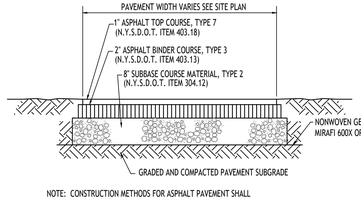


CROSS SECTION

NOTES:
1. CONTROL JOINTS TO BE AT 5'-0" O.C., BOTH WAYS WHERE APPLICABLE. SEE SPECIFICATIONS FOR FURTHER JOINT REQUIREMENTS NYSDOT 702-0700.
2. CONCRETE SIDEWALK AND DRIVEWAY MATERIAL SHALL CONFORM TO NYSDOT STANDARD SPECIFICATION 501 AND CONSTRUCTION METHODS SHALL CONFORM TO NYSDOT STANDARD SPECIFICATION 608-3.
3. SUBBASE GRADE SHALL FOLLOW THE PROPOSED GRADE OF THE SIDEWALK AND SLOPE AWAY FROM BUILDING WHERE APPLICABLE, PROVIDE CONTINUOUS STONE PATH TO CURB UNDERDRAIN WHERE PROVIDED.
4. FULL DEPTH EXPANSION JOINTS SHALL BE INSTALLED EVERY 20' O.C., BOTHWAYS WHERE APPLICABLE. SEE SPECIFICATIONS FOR FURTHER JOINT REQUIREMENTS NYSDOT 702-0700.
5. SEE CURB DETAIL FOR DOWLING REQUIREMENTS WHERE ABUTTING CURB.
6. INSTALL 6' LONG #3 DOWELS @ 12" O.C. WHERE SIDEWALK ABUTS A BUILDING WALL AT AN ENTRANCE, THICKEN SIDEWALK TO 6' AT BUILDING WALL AND INSTALL DOWEL CENTERED IN THE 6' DEPTH. DOWELS AND THICKENING OF SIDEWALK SHALL EXTEND 18" EITHER SIDE OF ENTRANCE.
7. INSTALL 1/2" PREMOLDED EXPANSION JOINT WITH BACKER ROD & SEALANT WHERE SIDEWALK ABUTS BUILDING OR OTHER STRUCTURE.

CONCRETE SIDEWALK - 3

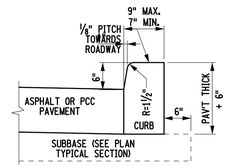
NOT TO SCALE



NOTE: CONSTRUCTION METHODS FOR ASPHALT PAVEMENT SHALL CONFORM TO NYSDOT STANDARD SPECIFICATION 401-3, WITH SUBBASE CONSTRUCTION METHODS CONFORMING TO NYSDOT STANDARD SPECIFICATION 304-3.

STANDARD DUTY ASPHALT SECTION - 4

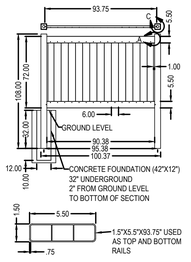
NOT TO SCALE



TYPE VF6
(VERTICAL FACED CURB WITHOUT CURB ANCHOR)
(SEE NOTE 4)

NYSDOT CONCRETE CURB - 9

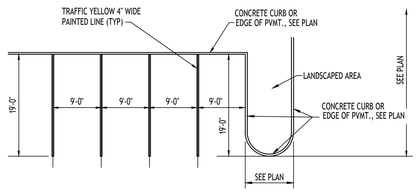
NOT TO SCALE



NOTE: BASIS OF DESIGN IS ILLUSIONS VINYL FENCE V-300, OR APPROVED EQUAL. COLOR TO BE NEUTRAL WITH WOOD GRAIN LOOK.

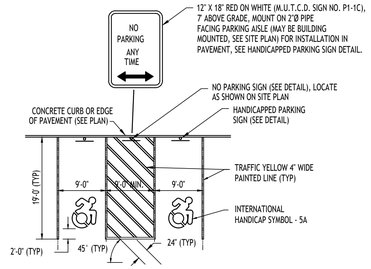
VINYL FENCE DETAIL

NOT TO SCALE



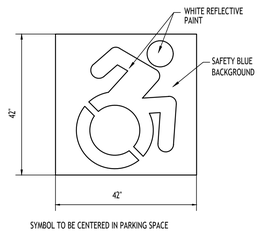
90° PARKING STALL LAYOUT - 2

NOT TO SCALE



HANDICAPPED PAVEMENT MARKINGS & SIGNAGE - 5

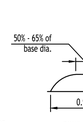
NOT TO SCALE



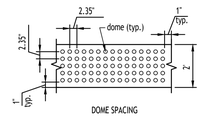
SYMBOL TO BE CENTERED IN PARKING SPACE

INTERNATIONAL HANDICAP SYMBOL - 5A

NOT TO SCALE

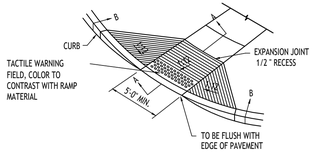


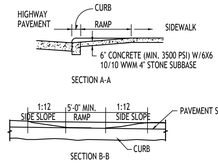
DOME SECTION



DOME SPACING

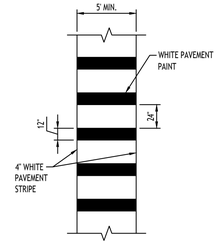
NOTE: TACTILE WARNING DEVICES SHALL BE PER ICC/ANSI A117.1-1998, SECTION 705.3.1.2 OR CURRENT UPDATE





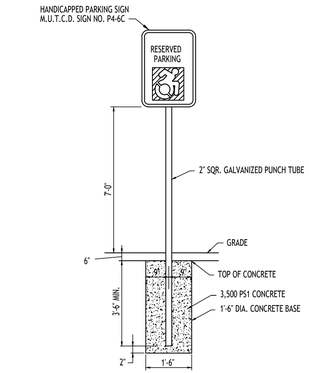
SIDEWALK CURB RAMP - 8

NOT TO SCALE



CROSSWALK STRIPING - 10

NOT TO SCALE

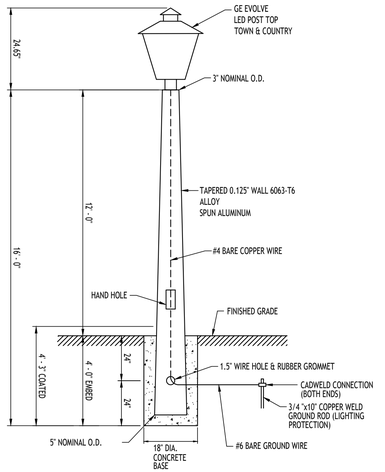


NOTES:
1. HANDICAPPED PARKING SIGN SHALL CONFORM WITH CURRENT STATE AND LOCAL CODES AND REGULATIONS.

GRASS/LAWN AREA

HANDICAPPED PARKING SIGN - 6

NOT TO SCALE

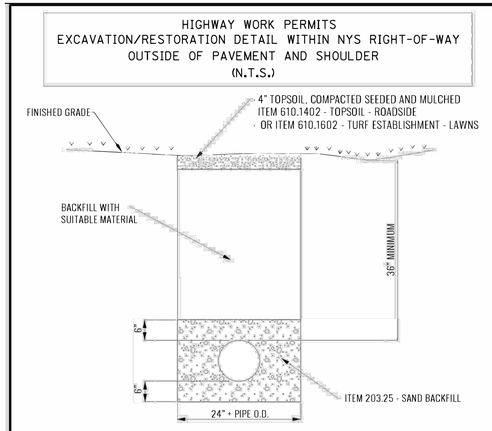


NOTES:
1. LIGHT FIXTURE, POLE & BASE ORDERING INFORMATION, VERIFY WITH OWNER & UTILITY COMPANY PRIOR TO ORDERING.

POST TOP LIGHT POLE & FOUNDATION - 7

NOT TO SCALE

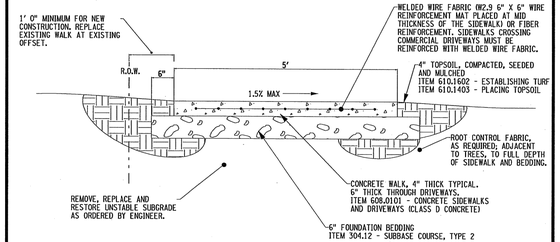
HIGHWAY WORK PERMITS
EXCAVATION/RESTORATION DETAIL WITHIN NYS RIGHT-OF-WAY OUTSIDE OF PAVEMENT AND SHOULDER
(N.T.S.)



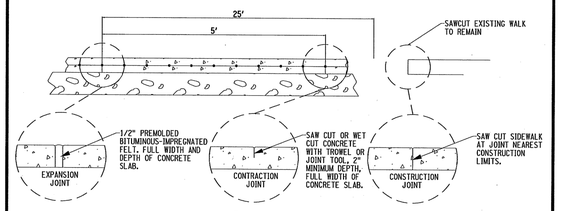
NOTES:
1) BACKFILL OF SUITABLE MATERIAL SHALL BE COMPACTED IN MAXIMUM 6" LIFTS.
2) ALL DISTURBED AREAS SHALL BE MULCHED OR HAVE TURF ESTABLISHED WITHIN 10 DAYS.
3) ALL WORK SHALL CONFORM TO NYSDOT SPECIFICATIONS.

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION	
04/07/21	REGION 5

HIGHWAY WORK PERMITS
SIDEWALK WITHIN NYS RIGHT-OF-WAY
(N.T.S.)



CROSS-SECTIONAL VIEW



PROFILE VIEW

NOTES:
1) THE GRAVEL OR STONE BASE SHALL BE PLACED ON A WELL GRADED AND COMPACTED SUBGRADE. THE GRAVEL OR STONE BASE SHALL BE THOROUGHLY COMPACTED.
2) ALL EXPOSED SURFACES SHALL BE BROOMED AND EDGES FINISHED WITH A 1/4" RADIUS EDGING TOOL. THE FINISHED CONCRETE SURFACE SHALL BE TREATED WITH A CLEAR, NON YELLOWING CURING COMPOUND.
3) NO CONCRETE SHALL BE PLACED BEFORE APRIL 20TH, OR AFTER OCTOBER 31ST. NO CONCRETE SHALL BE PLACED UNLESS THE AMBIENT AIR AND BASE MATERIAL SURFACE TEMPERATURE IS ABOVE 40 DEGREES.
4) ALL WORK SHALL CONFORM TO NYSDOT SPECIFICATIONS.
5) ALL WORK SHALL CONFORM TO ADA REQUIREMENTS.
6) CONTACT NYSDOT ENGINEER IF PROPOSED SIDEWALK IS LESS THAN 5' WIDE.
7) RUNNING SLOPE/GRADE WHERE HWY GRADE IS 5% OR LESS: 4.5%
RUNNING SLOPE/GRADE WHERE HWY GRADE IS 5% OR MORE: HWY EDGE OF PVMT GRADE IS MAX

STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION	
4/7/16	REGION

DATE/TIME = 07-APR-2016 09:07
USER = zstorko

CARMINAWOOD DESIGN
Buffalo | Utica | Greensboro

Proposed Multi-Family

4774 & 4780 Sheridan Drive
Amherst, NY

REVISIONS:		
No.	Description	Date
1	Rev. per Town comments	6/3/24
2	Rev. per Town comments	6/20/24
3	Rev. per DOT comments	11/1/24

Attachment: SP-2024-05_A drawings. 062625 (30513 : SP-2024-05_A (AKa SUB-2025-01_PP), 4780 Sheridan Drive)

DRAWING NAME:

Site Details

Date: 4/22
Drawn By: P. She
Scale: As No

DRAWING NO.

C-101

Project No: 23-4091

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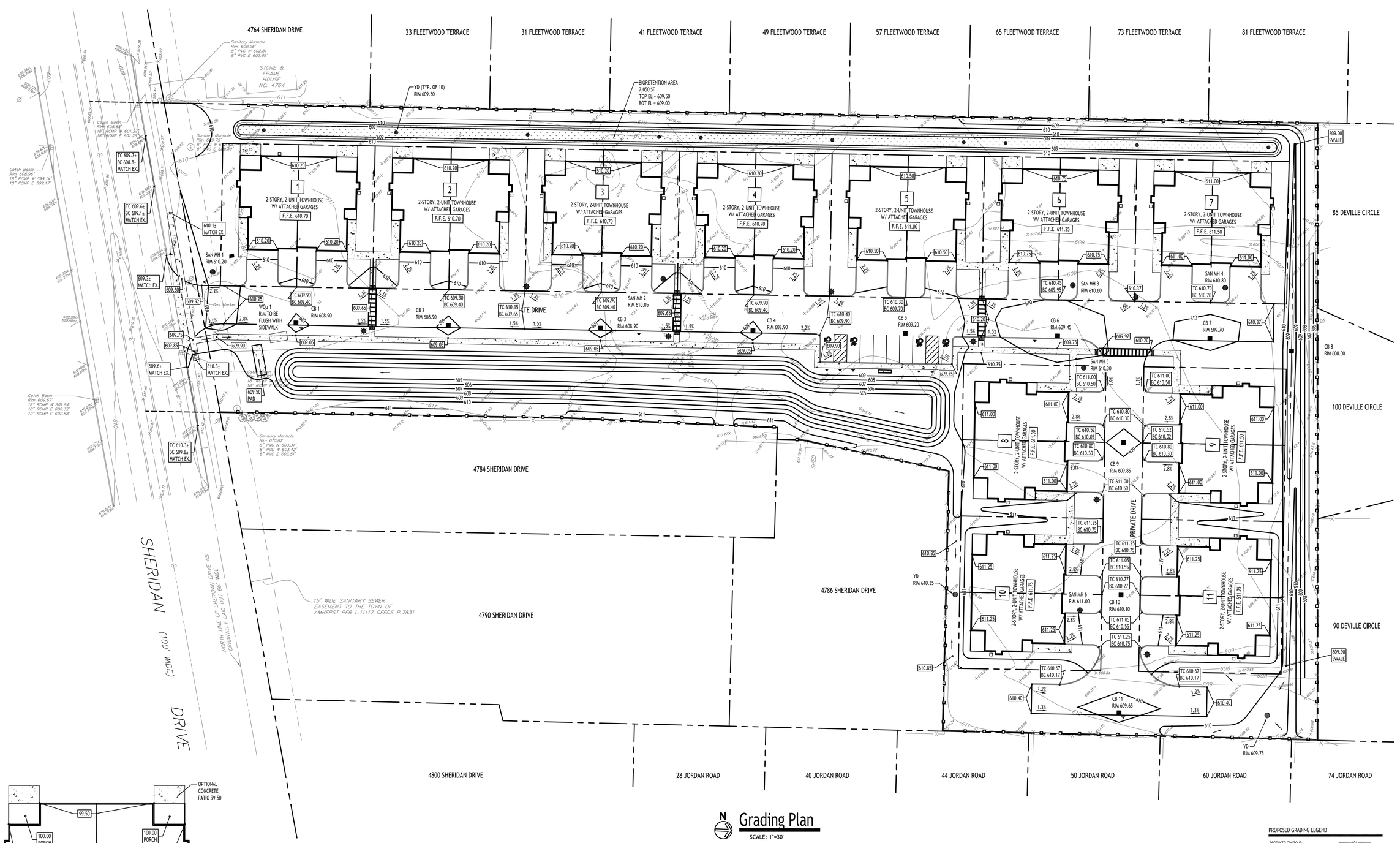
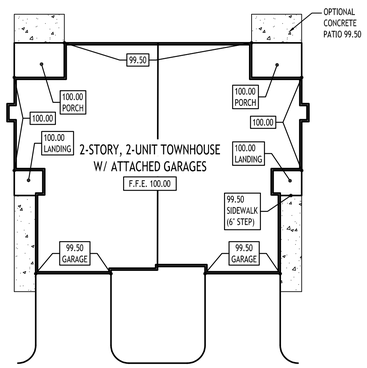


Grading Plan

SCALE: 1"=30'



Typical Grading Plan

SCALE: 1"=20'

PROPOSED GRADING LEGEND

PROPOSED CONTOUR	101
PROPOSED SPOT ELEVATION	100.00
PROPOSED TOP/BOTTON OF CURB	TC 100.50 BC 100.00
PROPOSED CATCH BASIN	CB
PAVEMENT/GROUND SLOPE	
PROPOSED MANHOLE	MH
PROPOSED SWALE	

NOTE: BOUNDARY AND TOPOGRAPHIC INFORMATION PROVIDED BY OTHERS, CARMINA WOOD DESIGN ASSUMES NO RESPONSIBILITY FOR ITS ACCURACY.

30' 30 0 30 60Ft.

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4774 & 4780 Sheridan Drive
Amherst, NY

REVISIONS:

No.	Description	Date
1	Rev. per Town comments	6/3/24
2	Rev. per Town comments	6/12/24
3	Rev. per DOT comments	11/1/24
4	Rev. per Town comments	11/13/24
5	Rev. per DOT comments	2/3/25

STATE OF NEW YORK
M. CHRISTOPHER WOOD
076394
LICENSED PROFESSIONAL ENGINEER

DRAWING NAME:

Grading Plan

Date: 4/22
Drawn By: P. She
Scale: As No

DRAWING NO.

C-200

Project No: 23-4091

Attachment: SP-2024-05_A_drawings_062625 (3051 : SP-2024-05_A (Aka SUB-2025-01_PP), 4780 Sheridan Drive)

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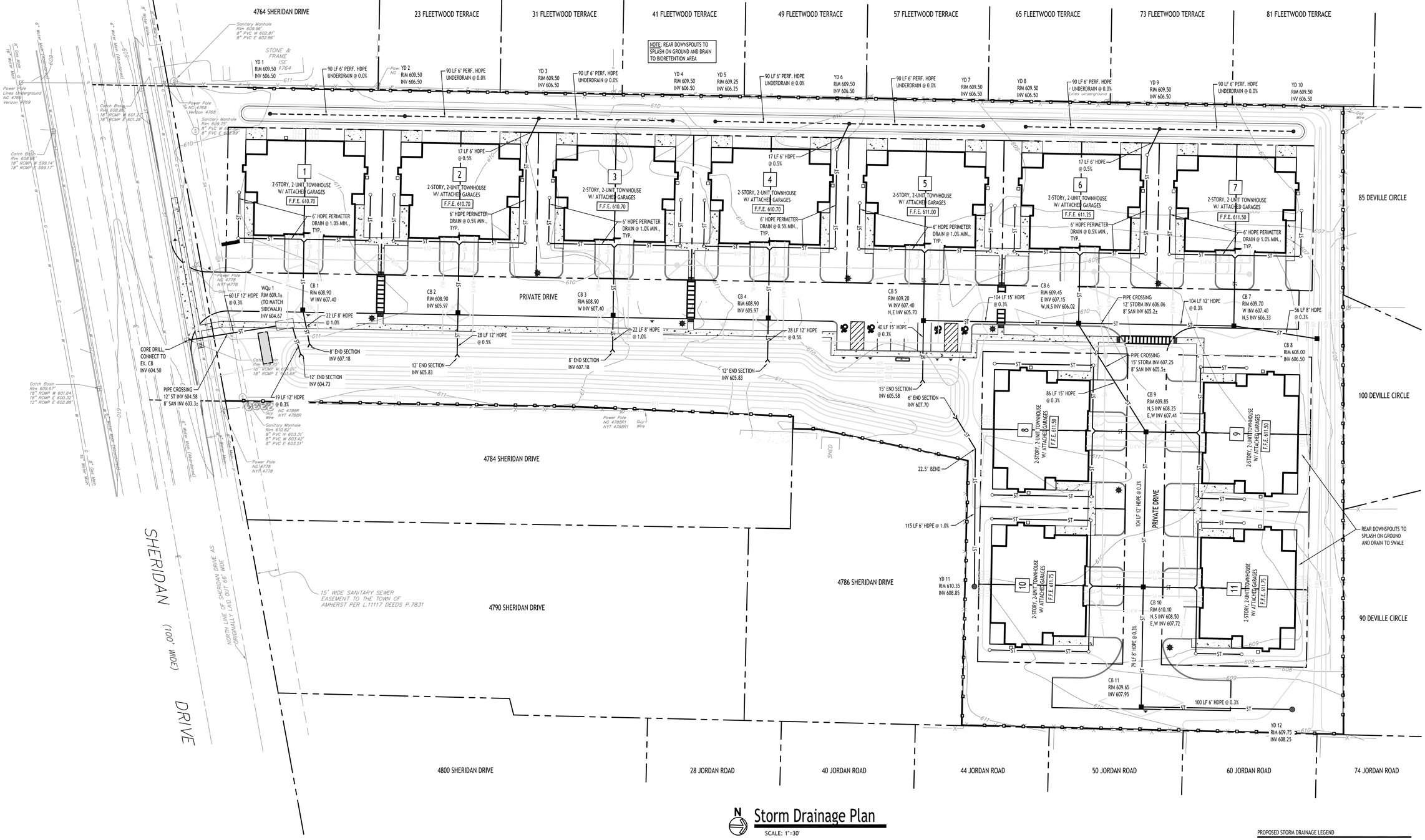

Storm Drainage Plan

SCALE: 1"=30'

PROPOSED STORM DRAINAGE LEGEND

- PROPOSED STORM PIPE — ST —
- PROPOSED PERFORATED STORM PIPE - - - - -
- PROPOSED CATCH BASIN ■
- PROPOSED MANHOLE ●
- PROPOSED CLEANOUT ○

CB: CATCH BASIN
MH: MANHOLE
OS: OUTLET STRUCTURE

NOTE: BOUNDARY AND TOPOGRAPHIC INFORMATION PROVIDED BY OTHERS, CARMINA WOOD DESIGN ASSUMES NO RESPONSIBILITY FOR ITS ACCURACY.

30' 30 0 30 60Ft.

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4774 & 4780 Sheridan Drive
Amherst, NY

REVISIONS:

No.	Description	Date
1	Rev. per Town comments	6/12/24
2	Rev. per DOT comments	11/1/24
3	Rev. per DOT comments	11/13/24
4	Rev. per Town comments	2/20/25

Attachment: SP-2024-05_A_drawings_062625 (30513 : SP-2024-05_A (Aka SUB-2025-01_PP), 4780 Sheridan Drive)

STATE OF NEW YORK CHRISTOPHER NOWAK 070304 LICENSED PROFESSIONAL ENGINEER

DRAWING NAME:

Storm Drainage Plan

Date: 4/22
Drawn By: P. She
Scale: As No

DRAWING NO.

C-300

Project No: 23-4091

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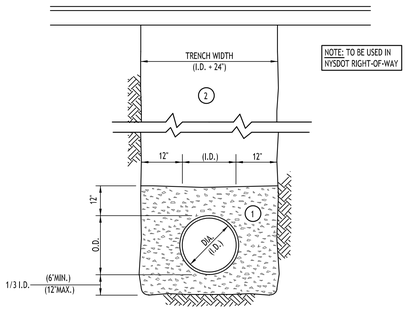


NOTES:

A. PIPE INSTALLATION SHALL BE IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS.

B. TRENCHING OPERATIONS SHALL INCLUDE ALL NECESSARY DEWATERING.

C. TRENCH DETAILS ARE ONLY SHOWN FOR PURPOSES OF MATERIAL PLACEMENT AND MAXIMUM PAY LIMITS.

D. AN OSHA APPROVED MOVABLE PROTECTIVE TRENCH SHIELD SHALL BE USED IN ALL UNSHEETED TRENCH AREAS.

MATERIALS

PIPE BEDDING MATERIAL (NYSDOT 1985 EDITION)

(1) NO. 1 CRUSHED STONE OR CRUSHED GRAVEL WITH A GRADATION CONFORMING WITH NYSDOT SECTION 703-02. THE MATERIAL SHALL BE WELL GRADED WITH NO PARTICLES LARGER THAN ONE INCH AND HAVING A MAXIMUM GRADATION MEETING THE LIMITS DESCRIBED IN THE SPECIFICATIONS. THE BEDDING SHALL BE COMPACTED IN 6" LIFTS WITH EQUIPMENT ACCEPTABLE TO THE PIPE MANUFACTURER.

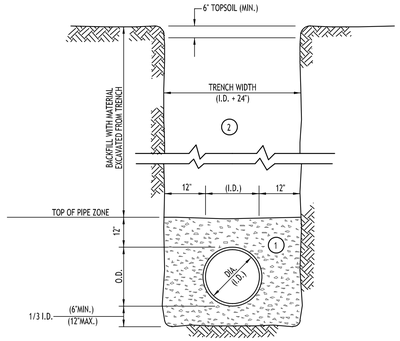
NO SLAG SHALL BE ALLOWED FOR MATERIAL (1)

(2) TYPE 2 CRUSHED STONE OR CRUSHED GRAVEL WITH A GRADATION CONFORMING WITH NYSDOT SECTION 304-2.02 TYPE 2. THE MATERIAL SHALL BE WELL GRADED WITH NO PARTICLES LARGER THAN TWO INCHES AND HAVING A MAXIMUM GRADATION MEETING THE LIMITS DESCRIBED IN THE SPECIFICATIONS. THE BEDDING SHALL BE COMPACTED IN 6" LIFTS WITH EQUIPMENT ACCEPTABLE TO THE PIPE MANUFACTURER.

NO SLAG SHALL BE ALLOWED FOR MATERIAL (2)

STORM SEWER TRENCH SECTION IN PAVED AREAS

NOT TO SCALE



NOTES:

A. PIPE INSTALLATION SHALL BE IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS.

B. TRENCHING OPERATIONS SHALL INCLUDE ALL NECESSARY DEWATERING.

C. TRENCH DETAILS ARE ONLY SHOWN FOR PURPOSES OF MATERIAL PLACEMENT AND MAXIMUM PAY LIMITS.

D. AN OSHA APPROVED MOVABLE PROTECTIVE TRENCH SHIELD SHALL BE USED IN ALL UNSHEETED TRENCH AREAS.

MATERIALS

PIPE BEDDING MATERIAL (NYSDOT 1985 EDITION)

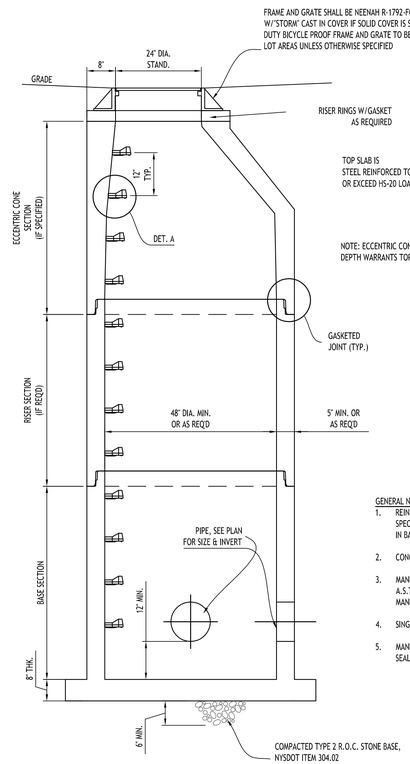
(1) NO. 1 CRUSHED STONE OR CRUSHED GRAVEL WITH A GRADATION CONFORMING WITH NYSDOT SECTION 703-02. THE MATERIAL SHALL BE WELL GRADED WITH NO PARTICLES LARGER THAN ONE INCH AND HAVING A MAXIMUM GRADATION MEETING THE LIMITS DESCRIBED IN THE SPECIFICATIONS. THE BEDDING SHALL BE COMPACTED IN 6" LIFTS WITH EQUIPMENT ACCEPTABLE TO THE PIPE MANUFACTURER.

NO SLAG SHALL BE ALLOWED FOR MATERIAL (1)

(2) BACKFILL MATERIAL SHALL BE NATIVE SOIL CONTAINING NO UNSUITABLE MATERIAL COMPACTED IN 6" LIFTS.

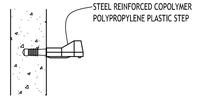
STORM SEWER TRENCH SECTION IN UNPAVED AREAS

NOT TO SCALE

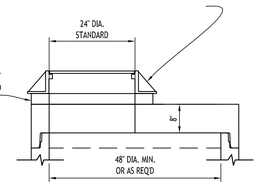


GENERAL NOTES:

1. REINFORCED STEEL TO CONFORM TO LATEST A.S.T.M. A185 SPEC. 0.12 SQ. IN./LINEAL FT. AND 0.12 SQ. IN. (BOTH WAYS) IN BASE SLAB.
2. CONCRETE COMPRESSIVE STRENGTH - 4000 PSI MINIMUM.
3. MANHOLE DESIGN SPECIFICATIONS TO CONFORM TO LATEST A.S.T.M. C478 SPEC. FOR PRE-CAST REINFORCED CON-CRETE MANHOLE SECTIONS.
4. SINGLE POUR MONOLITHIC BASE SECTION.
5. MANHOLE TO BE COATED ON OUTSIDE WITH BITUMASTIC SEALER.

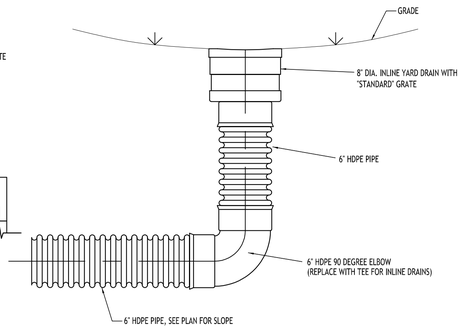


DETAIL A



NOTE: ECCENTRIC CONE SECTION SHALL BE USED UNLESS DEPTH WARRANTS TOP SLAB PER MANUFACTURER

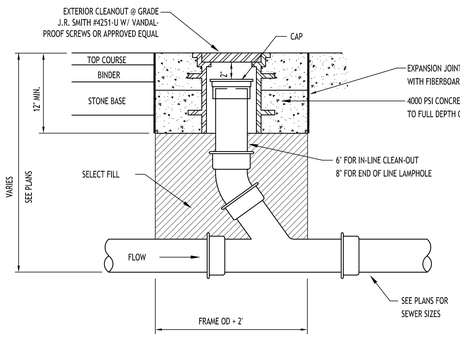
ALTERNATE TOP SLAB



NOTE:
SEE TYPICAL TRENCH SECTION FOR BEDDING REQUIREMENTS

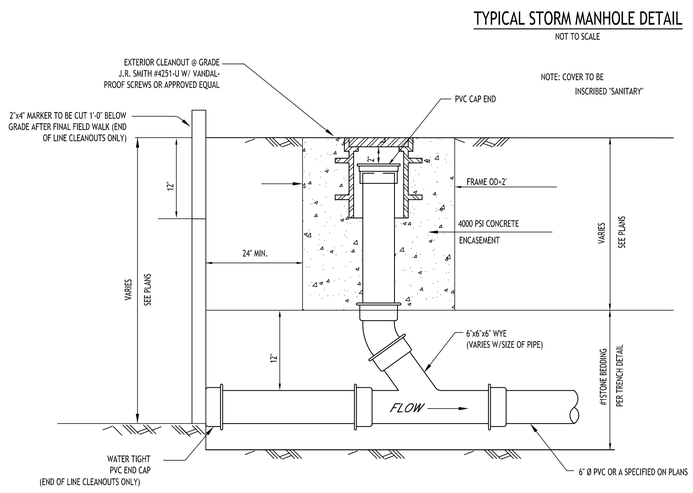
TYPICAL YARD DRAIN DETAIL

NOT TO SCALE



TYPICAL STORM MANHOLE DETAIL

NOT TO SCALE

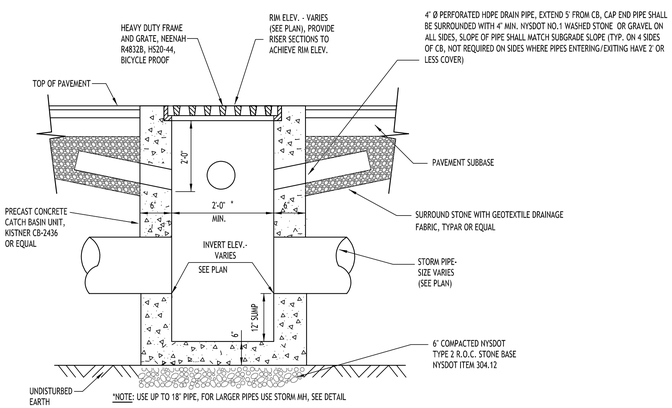


LAMPHOLE/CLEANOUT IN LAWN/FIELD AREAS

NOT TO SCALE

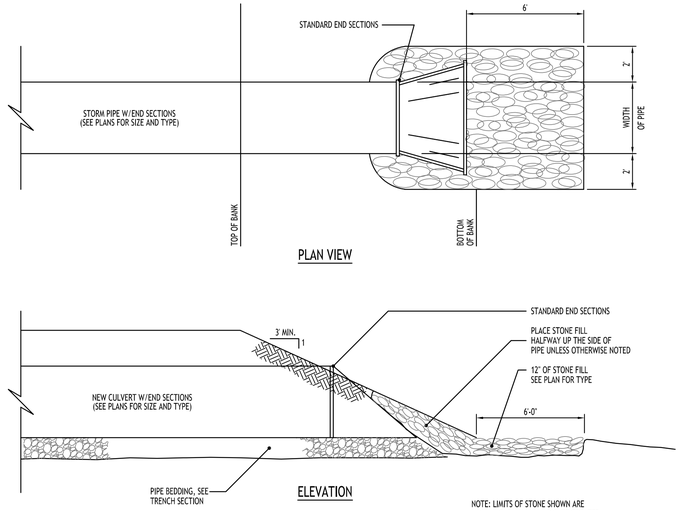
LAMPHOLE/CLEANOUT IN PAVEMENT/SIDEWALK

NOT TO SCALE



TYPICAL PRECAST CATCH BASIN

NOT TO SCALE



TYPICAL PIPE OUTLET W/ END SECTION & RIP RAP

NOT TO SCALE

CARMINAWOOD DESIGN
Buffalo | Utica | Greensboro

Proposed Multi-Family

4774 & 4780 Sheridan Drive
Amherst, NY

REVISIONS:

No.	Description	Date
1	Rev. per DOT comments	11/1/24

Attachment: SP-2024-05_A_drawings_062625 (30513 : SP-2024-05_A (Aka SUB-2025-01_PP), 4780 Sheridan Drive)

DRAWING NAME:

Storm Drainage Details

Date: 4/22
Drawn By: P. She
Scale: As No

DRAWING NO.

C-301

Project No: 23-4091

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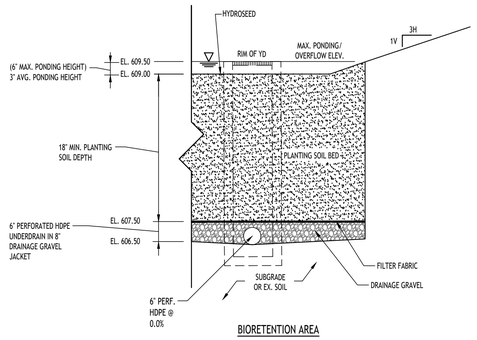


BIORETENTION AREA

BIORETENTION AREA - TYPICAL SECTION

NOT TO SCALE

NOTES:
1. FILTER FABRIC TO BE NON-WOVEN CLASS 'C', MIRAFI 180-N OR APPROVED EQUIVALENT
2. DRAINAGE GRAVEL TO MEET AASHTO M-43. NO.67, SIZE 0.25" TO 0.75"
3. CONTRACTOR TO PROVIDE PLANTING SOIL SUBMITTAL SPECIFICATION FOR REVIEW AND APPROVAL PRIOR TO CONSTRUCTION.

NOTE: PLANTING SOIL SHALL BE LOAM/SAND MIX CONTAINING A MINIMUM OF 35 TO 60% SAND BY VOLUME AND LESS THAN 25% CLAY. SOIL SHOULD FALL WITHIN USCS TYPES SM OR ML WITH PERMEABILITY OF AT LEAST 0.5 FEET PER DAY. SOIL SHOULD BE FREE FROM STONES, STUMPS, ROOTS OR OTHER WOODY MATERIAL OVER 1" IN DIAMETER. PLACEMENT OF THE PLANTING SOIL SHOULD BE IN LIFTS OF 12" TO 18", LOOSELY COMPACTED.

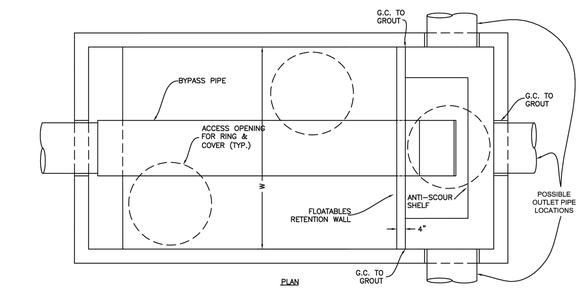
CHARACTERISTICS SHALL BE:
PH RANGE: 5.2 - 7.00
ORGANIC MATTER: 1.5 - 4.0%
MAGNESIUM: 35 LBS PER ACRE MIN.
PHOSPHORUS: 75 LBS PER ACRE MIN.
POTASSIUM: 85 LBS PER ACRE MIN.
SOLUBLE SALTS: 500 PPM
CLAY: 10 TO 25%
SILT: 30 TO 55%
SAND: 35 TO 60%

bio-retention area seeding spec (Northeast Wetland Grass Seed Mix):

Seed Mixture	Variety	Percent by No. of Seeds
Creeping Bentgrass	Agrostis stolonifera	63.0
Rough Bluegrass	Poa trivialis	17.0
Meadow Foxtail	Alopecurus arundinaceus	11.0
Annual Ryegrass	Lolium multiflorum	4.5
Deertongue	Panicum clandestinum	4.5

ENVIRONMENT21 STORMPRO V WATER QUALITY TREATMENT SYSTEM

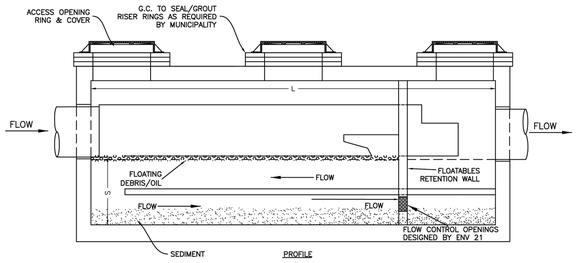
DATE: 04/25/2018
DWG. NO.:Detail - STORMPRO V



PLAN

ENV21 STORMPRO SIZING TABLE				
STORMPRO MODEL NUMBER	W (ft.)	L (ft.)	S (ft.)	NJDEP MTFR (cfs)
V37	3	7	1.5+	0.85
V48	4	8	2.0+	1.29
V510	5	10	2.5+	2.02
V612	6	12	3.0+	2.91
V714	7	14	3.5+	3.96
V816	8	16	4.0+	5.17
V1020	10	20	5.0+	8.08
V1224	12	24	6.0+	11.61

SITE SPECIFIC DATA REQUIREMENTS	
STRUCTURE ID:	
SITE WQFR (cfs)	
DESIGN STORM (yrs.)	
PEAK FLOW (cfs)	
RIM ELEVATION (ft.)	
INLET PIPE SIZE (in.)	
INLET PIPE ELEV. (ft.)	
OUTLET PIPE SIZE (in.)	
OUTLET PIPE ELEV. (ft.)	



PROFILE

NOTES:
1. MAXIMUM OPERATING LOSS APPROXIMATELY 0.5 FT.
2. DESIGN SPECIFICATIONS CONFORM TO LATEST A.S.T.M. C478
3. DESIGN LOADING: AASHTO HS20-44.
4. DESIGN OF FLOATABLES RETENTION WALL BASED ON ENVIRONMENT 21 ANALYSIS OF SITE-SPECIFIC STORM SEWER HYDRAULICS.

DESIGN LOADING: AASHTO HS20-44

PROPRIETARY INFORMATION: PATENTS PENDING - ALL RIGHTS TO ENVIRONMENT 21, LLC.

environment 21 Water Stormwater Solutions

PROJECT:

DRAWN BY: | DATE:
CK'D BY: | SCALE:

Formulas:

$$WQ_v = \frac{(P)(R_v)(A)}{12}$$

$$R_v = (0.05+0.009(I)$$

$$CN = 1000/[10+5P+10Qa-10(Qa^2+1.25QaP)^{1/2}]$$

$$Qwq = (q_u)*(A)*(Qa)$$

Structure:

P	1.00	in.	rainfall intensity (in.)
A	5.03	ac	project size (ac)
I	44.80	%	impervious area (%)
t_c	44.60	min.	time of concentration (min.)
t_c	0.743	hr.	time of concentration (hr.)
R_v	0.453		runoff coefficient
90% WQv	0.190	ac-ft	Water Quality Volume (ac-ft)
90% WQv	8274.93	ft^3	Water Quality Volume (ft^3)
S	1.364	in.	potential max retention after runoff begins
Qa	0.253	in.	
CN	88		curve number
I_a	0.273		initial abstraction
I_a/P	0.273		
qu	1000	(csm/in)	unit peak discharge (csm/in.)
A	0.00786	$miles^2$	area drainage (mi^2)
Qwq	1.99	cfs	

NOTE: CALCULATIONS TO BE VERIFIED BY MANUFACTURER, SUBMIT SITE SPECIFIC SHOP DRAWING TO ENGINEER FOR REVIEW PRIOR TO ORDERING.

3.b

CARMINAWOOD DESIGN
Buffalo | Utica | Greensboro

Proposed Multi-Family

4774 & 4780 Sheridan Drive
Amherst, NY

REVISIONS:

No.	Description	Date
1	Rev. per Town comments	6/12/24
2	Rev. per Town comments	11/13/24
3	Rev. per Town comments	3/5/25

Attachment: SP-2024-05_A_drawings. 062625 (30513 : SP-2024-05_A (Aka SUB-2025-01_PP), 4780 Sheridan Drive)

STATE OF NEW YORK
CHRISTOPHER WOOD
LICENSED PROFESSIONAL ENGINEER
07639A

DRAWING NAME:

Storm Drainage Details

Date: 4/22
Drawn By: P. She
Scale: As No

DRAWING NO.

C-302

Project No: 23-4091

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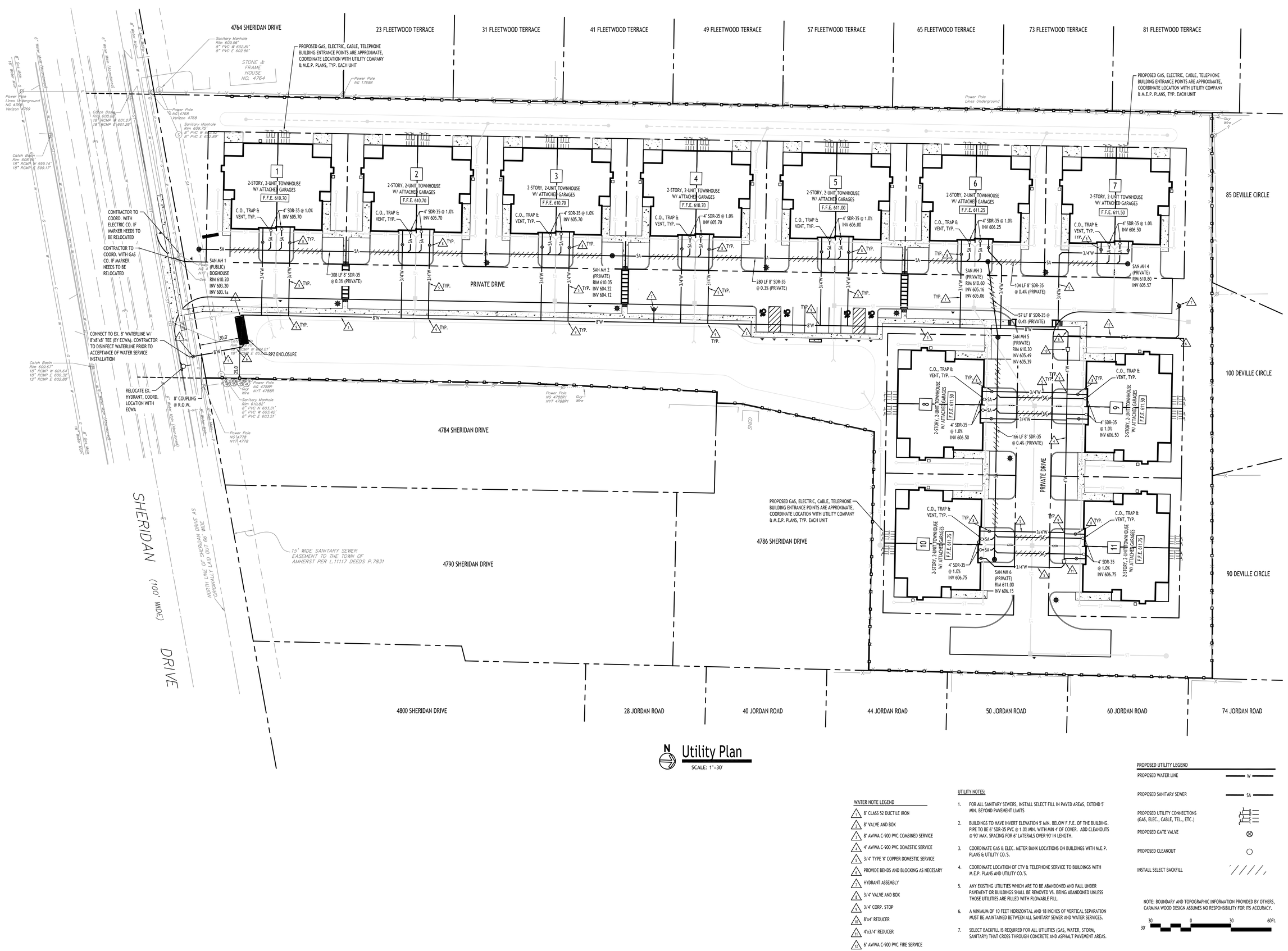
4764 SHERIDAN DRIVE
23 FLEETWOOD TERRACE
31 FLEETWOOD TERRACE
41 FLEETWOOD TERRACE
49 FLEETWOOD TERRACE
57 FLEETWOOD TERRACE
65 FLEETWOOD TERRACE
73 FLEETWOOD TERRACE
81 FLEETWOOD TERRACE
85 DEVILLE CIRCLE
100 DEVILLE CIRCLE
90 DEVILLE CIRCLE
4784 SHERIDAN DRIVE
4786 SHERIDAN DRIVE
4790 SHERIDAN DRIVE
4800 SHERIDAN DRIVE
28 JORDAN ROAD
40 JORDAN ROAD
44 JORDAN ROAD
50 JORDAN ROAD
60 JORDAN ROAD
74 JORDAN ROAD
SHERIDAN DRIVE (100' WIDE)
PRIVATE DRIVE
STONE & FRAME HOUSE NO. 4764
SHED
PROPOSED GAS, ELECTRIC, CABLE, TELEPHONE BUILDING ENTRANCE POINTS ARE APPROXIMATE, COORDINATE LOCATION WITH UTILITY COMPANY & M.E.P. PLANS, TYP. EACH UNIT
CONTRACTOR TO COORD. WITH ELECTRIC CO. IF MARKER NEEDS TO BE RELOCATED
CONTRACTOR TO COORD. WITH GAS CO. IF MARKER NEEDS TO BE RELOCATED
CONNECT TO EX. 8" WATERLINE W/ 8"x8"x8" TEE (BY ECWA). CONTRACTOR TO DISINFECT WATERLINE PRIOR TO ACCEPTANCE OF WATER SERVICE INSTALLATION
RELOCATE EX. HYDRANT, COORD. LOCATION WITH ECWA
8" COUPLING @ R.O.W.
RPZ ENCLOSURE
15' WIDE SANITARY SEWER EASEMENT TO THE TOWN OF AMHERST PER L.11117 DEEDS P.7831
NORTH LINE OF SHERIDAN DRIVE AS ORIGINALLY LAID OUT 66' WIDE
1 2-STORY, 2-UNIT TOWNHOUSE W/ ATTACHED GARAGES F.F.E. 610.70
2 2-STORY, 2-UNIT TOWNHOUSE W/ ATTACHED GARAGES F.F.E. 610.70
3 2-STORY, 2-UNIT TOWNHOUSE W/ ATTACHED GARAGES F.F.E. 610.70
4 2-STORY, 2-UNIT TOWNHOUSE W/ ATTACHED GARAGES F.F.E. 610.70
5 2-STORY, 2-UNIT TOWNHOUSE W/ ATTACHED GARAGES F.F.E. 611.00
6 2-STORY, 2-UNIT TOWNHOUSE W/ ATTACHED GARAGES F.F.E. 611.25
7 2-STORY, 2-UNIT TOWNHOUSE W/ ATTACHED GARAGES F.F.E. 611.50
8 2-STORY, 2-UNIT TOWNHOUSE W/ ATTACHED GARAGES F.F.E. 611.50
9 2-STORY, 2-UNIT TOWNHOUSE W/ ATTACHED GARAGES F.F.E. 611.50
10 2-STORY, 2-UNIT TOWNHOUSE W/ ATTACHED GARAGES F.F.E. 611.75
11 2-STORY, 2-UNIT TOWNHOUSE W/ ATTACHED GARAGES F.F.E. 611.75
C.O., TRAP & VENT, TYP.
4" SDR-35 @ 1.0% INV 605.70
4" SDR-35 @ 1.0% INV 606.00
4" SDR-35 @ 1.0% INV 606.25
4" SDR-35 @ 1.0% INV 606.50
4" SDR-35 @ 1.0% INV 606.75
SAN MH 1 (PUBLIC) DOGHOUSE RIM 610.20 INV 603.2o INV 603.1o
SAN MH 2 (PRIVATE) RIM 610.05 INV 604.22 INV 604.12
SAN MH 3 (PRIVATE) RIM 610.60 INV 605.16 INV 605.06
SAN MH 4 (PRIVATE) RIM 610.80 INV 605.57
SAN MH 5 (PRIVATE) RIM 610.30 INV 605.49 INV 605.39
SAN MH 6 (PRIVATE) RIM 611.00 INV 606.15
308 LF 8" SDR-35 @ 0.3% (PRIVATE)
280 LF 8" SDR-35 @ 0.3% (PRIVATE)
104 LF 8" SDR-35 @ 0.4% (PRIVATE)
52 LF 8" SDR-35 @ 0.4% (PRIVATE)
166 LF 8" SDR-35 @ 0.4% (PRIVATE)
Sanitary Manhole Rim 609.98' 8" PVC W 602.81' 8" PVC E 602.86'
Power Pole NG 176BR
Power Pole Lines Underground NG 4769 Verizon 4769
Power Pole NG 4768 Verizon 4768
Sanitary Manhole Rim 609.75' 8" PVC W 602.89' 8" PVC E 602.89'
Catch Basin Rim 608.88' 18" RCMP W 601.27' 18" RCMP E 601.26'
Catch Basin Rim 608.98' 18" RCMP W 599.14' 18" RCMP E 599.17'
Catch Basin Rim 609.67' 18" RCMP W 601.64' 18" RCMP E 600.32' 12" RCMP E 602.88'
Sanitary Manhole Rim 610.82' 8" PVC N 603.31' 8" PVC W 603.42' 8" PVC E 603.51'
Power Pole NG 4778 NYT 4778
Power Pole NG 4788R NYT 4788R
Power Pole NG 4788R1 NYT 4788R1
Guy Wire
Utility Pole
Guy Anchor
Fence
Tree Line
Overhead Wires
Underground Electric
Underground Telephone
Underground Gas
Sanitary Sewer
Water Main
Storm Sewer
Curb
Edge of Pavement
Property Line
Right of Way
Centerline
Concrete
Asphalt
Gravel
Grass
Trees
Shrubs
Bushes
Fence
Guide Rail
Sign
Mailbox
Light Pole
Flag Pole
Hydrant
Valve
Manhole
Catch Basin
Inlet
Curb Inlet
Drain
Culvert
Headwall
Endwall
Flared End
Rip Rap
Silt Fence
Hay Bale
Construction Entrance
Stockpile
Staging Area
Temporary Road
Temporary Fence
Temporary Sign
Temporary Light
Temporary Power
Temporary Water
Temporary Sewer
Temporary Gas
Temporary Telephone
Temporary Cable
Temporary Electric
Temporary Utility Pole
Temporary Guy Anchor
Temporary Guy Wire
Temporary Overhead Wires
Temporary Underground Electric
Temporary Underground Telephone
Temporary Underground Gas
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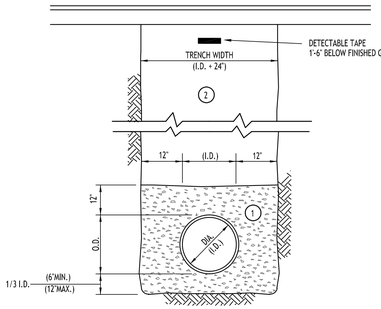


NOTES:

A. PIPE INSTALLATION SHALL BE IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS.

B. TRENCHING OPERATIONS SHALL INCLUDE ALL NECESSARY DEWATERING.

C. TRENCH DETAILS ARE ONLY SHOWN FOR PURPOSES OF MATERIAL PLACEMENT AND MAXIMUM PAY LIMITS.

D. AN OSHA APPROVED MOVABLE PROTECTIVE TRENCH SHIELD SHALL BE USED IN ALL UNSHEETED TRENCH AREAS.

MATERIALS

PIPE BEDDING MATERIAL (NYSDOT 1985 EDITION)

1. NO. 1 CRUSHED STONE OR CRUSHED GRAVEL WITH A GRADATION CONFORMING WITH NYSDOT SECTION 703-02. THE MATERIAL SHALL BE WELL GRADED WITH NO PARTICLES LARGER THAN ONE INCH AND HAVING A MAXIMUM GRADATION MEETING THE LIMITS DESCRIBED IN THE SPECIFICATIONS. THE BEDDING SHALL BE COMPACTED IN 6" LIFTS WITH EQUIPMENT ACCEPTABLE TO THE PIPE MANUFACTURER.

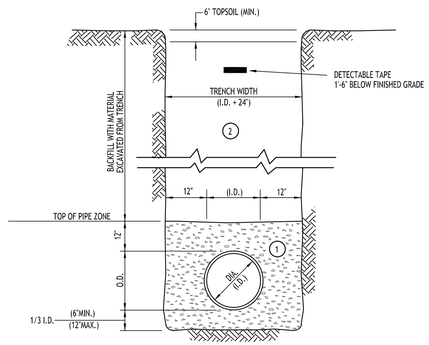
NO SLAG SHALL BE ALLOWED FOR MATERIAL (1)

2. TYPE 2 CRUSHED STONE OR CRUSHED GRAVEL WITH A GRADATION CONFORMING WITH NYSDOT SECTION 304-2.02 TYPE 2. THE MATERIAL SHALL BE WELL GRADED WITH NO PARTICLES LARGER THAN TWO INCHES AND HAVING A MAXIMUM GRADATION MEETING THE LIMITS DESCRIBED IN THE SPECIFICATIONS. THE BEDDING SHALL BE COMPACTED IN 6" LIFTS WITH EQUIPMENT ACCEPTABLE TO THE PIPE MANUFACTURER.

NO SLAG SHALL BE ALLOWED FOR MATERIAL (2)

SEWER/WATERLINE TRENCH SECTION IN PAVED AREAS

NOT TO SCALE



NOTES:

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MATERIALS

PIPE BEDDING MATERIAL (NYSDOT 1985 EDITION)

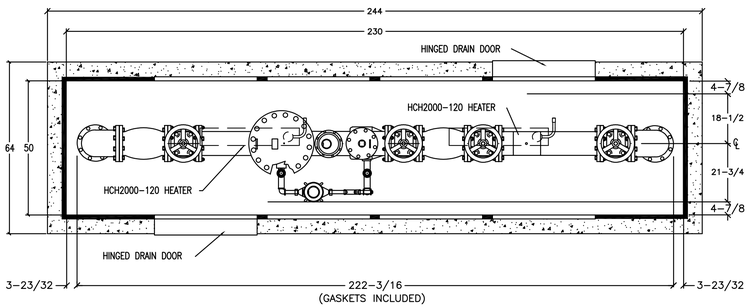
1. NO. 1 CRUSHED STONE OR CRUSHED GRAVEL WITH A GRADATION CONFORMING WITH NYSDOT SECTION 703-02. THE MATERIAL SHALL BE WELL GRADED WITH NO PARTICLES LARGER THAN ONE INCH AND HAVING A MAXIMUM GRADATION MEETING THE LIMITS DESCRIBED IN THE SPECIFICATIONS. THE BEDDING SHALL BE COMPACTED IN 6" LIFTS WITH EQUIPMENT ACCEPTABLE TO THE PIPE MANUFACTURER.

NO SLAG SHALL BE ALLOWED FOR MATERIAL (1)

2. BACKFILL MATERIAL SHALL BE NATIVE SOIL CONTAINING NO UNSUITABLE MATERIAL COMPACTED IN 6" LIFTS.

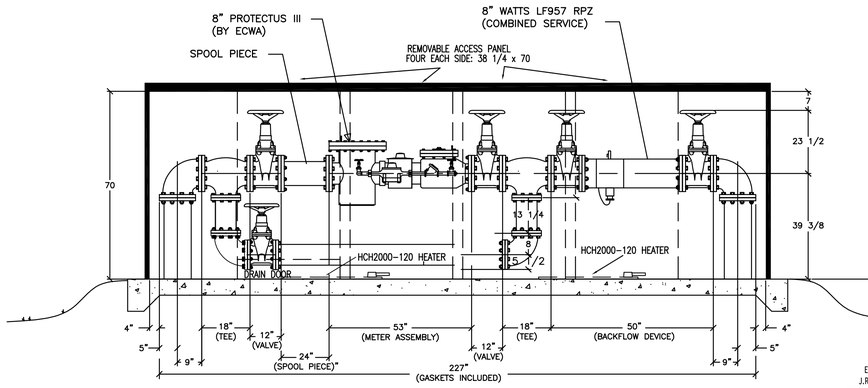
SEWER/WATERLINE TRENCH SECTION IN UNPAVED AREAS

NOT TO SCALE



NOTES:

1. BACKFLOW PREVENTER DIMENSIONS FURNISHED BY WATTS
2. ALL DIMENSIONS ARE IN INCHES
3. WALL & INSULATION THICKNESS IS 1-1/2"
4. ROOF & INSULATION THICKNESS IS 3"
5. ENCLOSURE SHOWN IS SAFE-T-COVER MODEL 1000D-ALC00-17
6. EXTERIOR ENCLOSURE DIMENSIONS: 53"W x 233"L x 73" H
7. CONCRETE PAD IS 64"W x 244"L x 6"THK W/W.W.F. 6X6/10X10
8. METER SHOWN: 8" PROTECTUS III, SPOOL PIECE & METER SUPPLIED BY ECWA. VERIFY DIMENSIONS PRIOR TO ORDERING
9. RPZ SHOWN: 8" WATTS LF957 RPZ
10. CONTRACTOR TO INSTALL ELECTRIC SERVICE TO ENCLOSURE, COORDINATE SOURCE WITH OWNER
11. INSTALL A 120V GFI OUTLET IN THE ENCLOSURE
12. HEATERS TO HAVE THERMOSTAT CONTROL
13. ALL 8" PIPING & FITTINGS WITHIN THE ENCLOSURE SHALL BE DUCTILE IRON
14. CONCRETE PAD TO BE 6" ABOVE ADJACENT GRADE

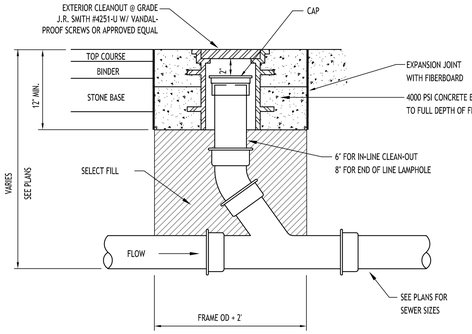


LEGEND:

REMOVABLE ACCESS PANEL 38 1/4"W x 70"H w/DRAIN DOOR

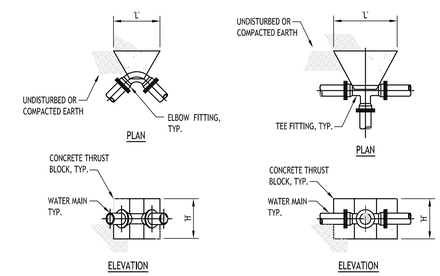
REMOVABLE ACCESS PANEL 38 1/4"W x 70"H

8"METER & RPZ INSULATED ENCLOSURE



LAMPHOLE/CLEANOUT IN PAVEMENT/SIDEWALK

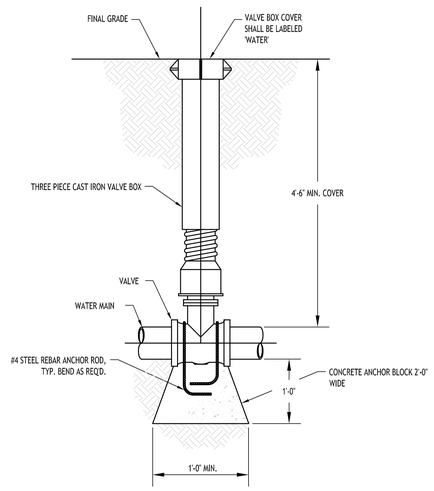
NOT TO SCALE



DIMENSION SCHEDULE								
PIPE SIZE	90° ELBOW		45° ELBOW		22.5° ELBOW		11.25° ELBOW	
	'H'	'L'	'H'	'L'	'H'	'L'	'H'	'L'
4"	1.5'	2.0'	1.0'	2.0'	1.0'	1.0'	1.0'	1.0'
6"	2.0'	2.5'	1.5'	2.0'	1.0'	1.5'	1.0'	1.5'
8"	2.5'	3.5'	2.0'	2.5'	1.5'	1.5'	1.0'	2.0'
10"	3.0'	4.5'	2.5'	3.0'	1.5'	3.0'	1.0'	2.5'
12"	3.5'	5.0'	3.0'	3.5'	2.5'	2.5'	1.5'	2.5'

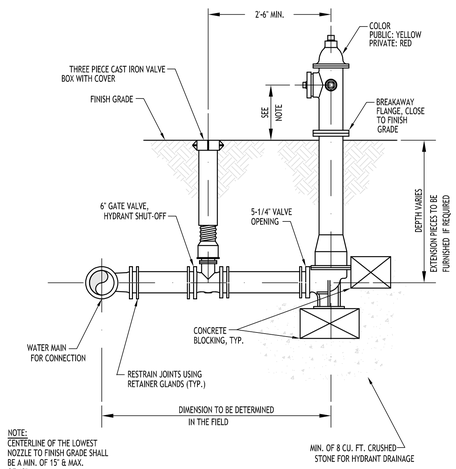
DIMENSION SCHEDULE		
PIPE SIZE	TEE OR TAP SLEEVE	
....	'H'	'L'
4"	1.5'	1.0'
6"	1.5'	2.5'
8"	1.5'	3.5'
10"	2.5'	3.5'
12"	3.5'	3.5'

THRUST BLOCK SCHEDULE



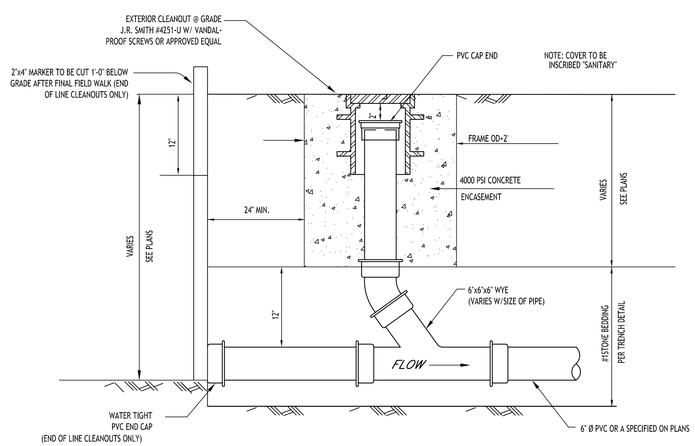
TYPICAL GATE VALVE DETAIL

NOT TO SCALE



TYPICAL FIRE HYDRANT ASSEMBLY DETAIL

NOT TO SCALE



LAMPHOLE/CLEANOUT IN LAWN/FIELD AREAS

NOT TO SCALE

CARMINAWOOD
DESIGN
Buffalo | Utica | Greensboro

Proposed Multi-Family

4774 & 4780 Sheridan Drive
Amherst, NY

REVISIONS:		
No.	Description	Date
1	Rev. per Town comments	6/12/24
2	Rev. per ECWA comments	2/20/25
3	Rev. per ECWA comments	4/24/25

DRAWING NAME:

Utility Details

Date: 4/22
Drawn By: P. She
Scale: As No

DRAWING NO.

C-401

Project No: 23-4091

Attachment: SP-2024-05_A_drawings_062625 (30513 : SP-2024-05_A (Aka SUB-2025-01_PP), 4780 Sheridan Drive)

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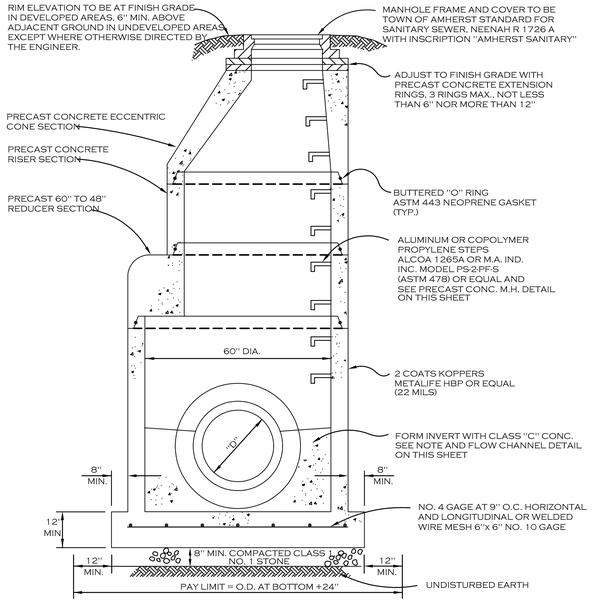
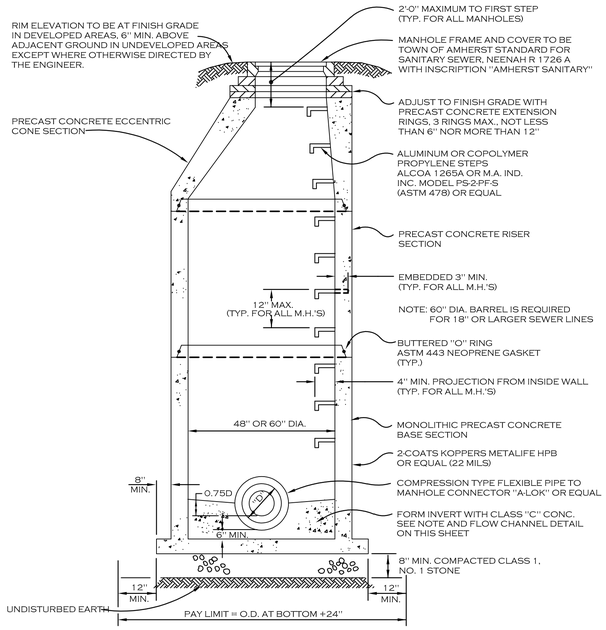
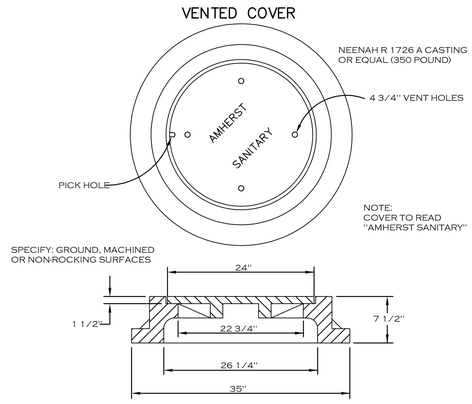
PRECAST CONCRETE MANHOLE OVER EXISTING SEWER (18"–30" DIA.)



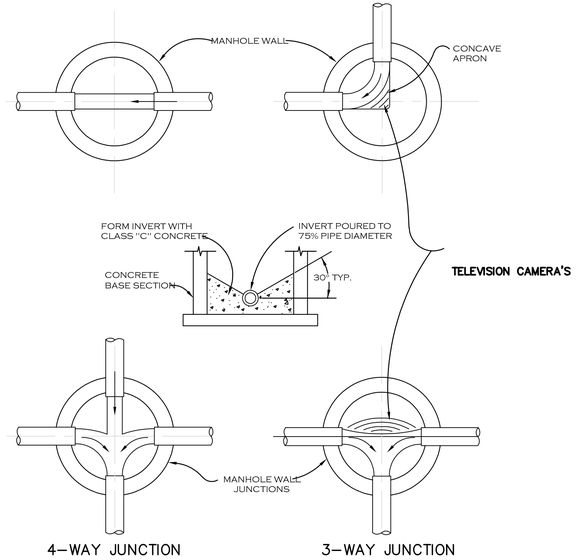
PRECAST CONCRETE MANHOLE



STANDARD MANHOLE FRAME AND COVER



FLOW CHANNEL DETAIL SANITARY SEWERS



NOTE:
FLOW CHANNELS MUST ALLOW PLACEMENT, REMOVAL AND PASSAGE OF T.V. CAMERAS. THE CAMERA DIMENSIONS ARE APPROXIMATELY 26" LONG x 6 1/2" SQUARE. A BLOCK OF WOOD OF THESE DIMENSIONS MAY BE USED TO SIMULATE THE SIZE OF THE CAMERA. THIS WILL SIMPLIFY THE FORMATION OF FLOW CHANNELS AND INVERTS.

DEPTH OF ALL CHANNELS TO BE 75% OF PIPE DIAMETER.

FINISH ALL CHANNELS AT PROPER GRADE AS TO ALLOW SMOOTH & UN-OBSTRUCTED FLOW ALL INVERTS TO BE FLUSH WITH THE INSIDES.

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REVISIONS:

No.	Description	Date

Attachment: SP-2024-05_A_drawings_062625 (30513 : SP-2024-05_A (Aka SUB-2025-01_PP), 4780 Sheridan Drive)

STATE OF NEW YORK
R. CHRISTOPHER WOOD
076394
LICENSED PROFESSIONAL ENGINEER

DRAWING NAME:
Sanitary Sewer Details

Date: 4/22
Drawn By: P. She
Scale: As No

DRAWING NO.
C-402

Project No: 23-4091

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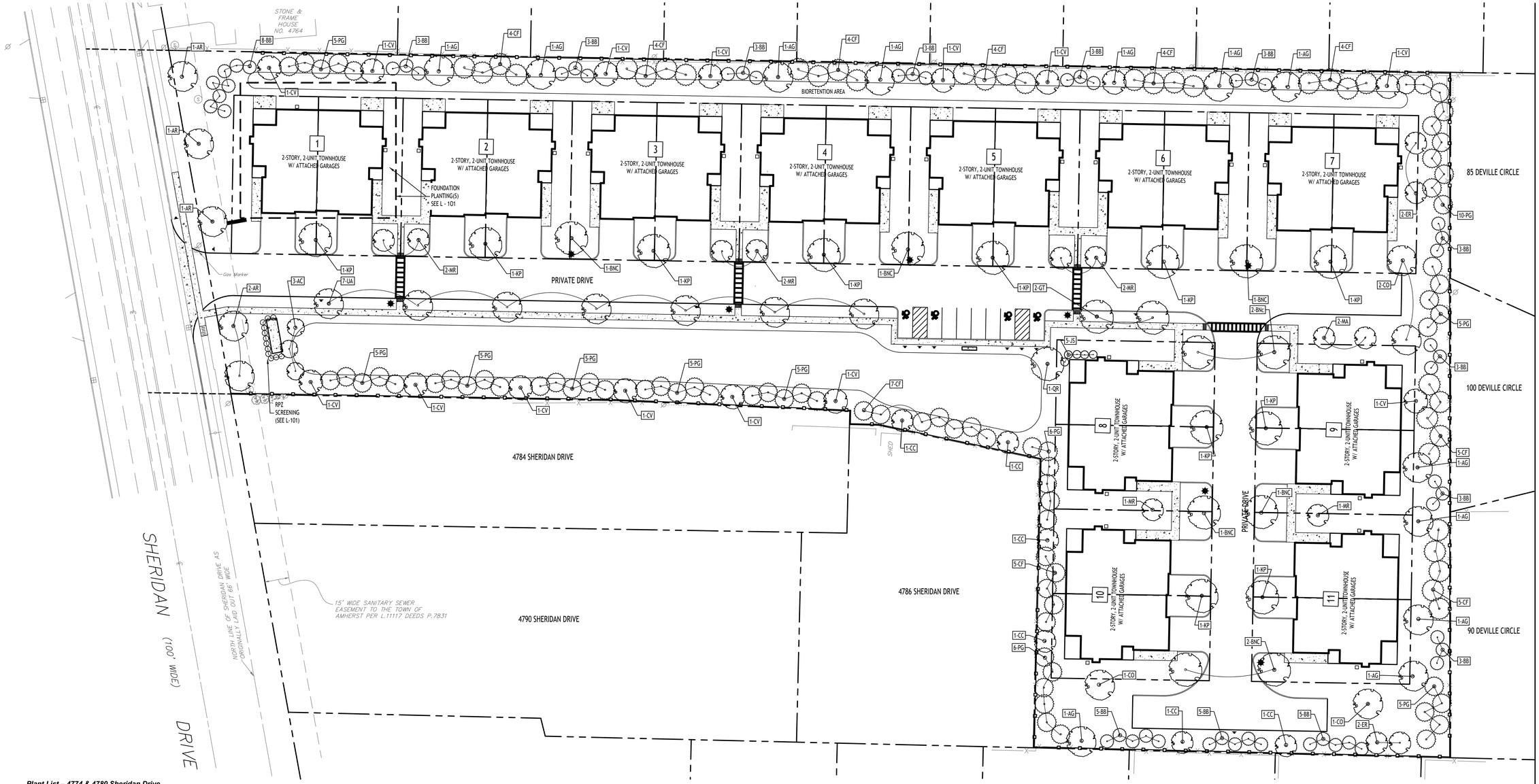

Plant List – 4774 & 4780 Sheridan Drive

SYMBOL	QUANTITY	BOTANICAL NAME	COMMON NAME	SIZE	NOTES
DECIDUOUS TREES					
AR	5	Acer rubrum 'Autumn Flame'	Autumn Flame Maple	2½"-3"Cal.	B&B; Grows to 40 ft, high, 35 ft. wide
BNC	9	Betula nigra 'Cully'	Heritage River Birch	12 ft. high min	B&B; Multi-stem, min. 3 major stems
CO	4	Celtis occidentalis 'Prairie Pride'	Prairie Pride Common Hackberry	2½"-3"Cal.	B&B; Grows to 40 ft, high, 35 ft. wide
GT	2	Gleditsia triacanthos inermis 'Suncole'	Skyline Honeylocust	2½"-3"Cal.	B&B; Grows to 45 ft, high, 35 ft. wide
KP	11	Koelreuteria paniculata	Goldenrain Tree	2½"-3"Cal.	B&B; Grows to 30-40 ft. high and wide
QR	1	Quercus rubra	Red Oak	2½"-3"Cal.	B&B; Grows to 75 ft, high, 60 ft. wide
UA	7	Ulmus americana 'Princeton'	Princeton Elm	2½"-3"Cal.	B&B; Grows to 65 ft, high, 45 ft. wide
SMALL/ORNAMENTAL TREES					
AC	3	Amelanchier canadensis	Shadblow Serviceberry	8' High Min.	B&B; Height to 20 ft., width to 20 ft.
AG	12	Amelancjier grandiflora 'Autumn Brilliance'	Autumn Brilliance Serviceberry	8' High Min.	B&B; Height to 20 ft., width to 20 ft.
CC	6	Crataegus crusgalli inermis 'Cruzam'	Crusader Hawthorn	1¾"-2" Cal.	B&B; Height to 15 ft., width to 15 ft.
CV	14	Chionanthus virginicus	White Fringe Tree	8' High Min.	B&B; Height to 18 ft., width to 20 ft.
ER	4	Cercis canadensis	Eastern Redbud	8' High Min.	B&B; Height to 18 ft., width to 20 ft.
MA	2	Malus 'Adirondack'	Adirondack Crabapple	1¾"-2" Cal.	B&B; Height to 18 ft., width to 10 ft.
MR	8	Malus 'JFS KWS'	Royal Raindrops Crabapple	1¾"-2" Cal.	B&B; Height to 20 ft., width to 15 ft.
EVERGREEN TREES					
CF	46	Abies concolor	White Fir	5' High min.*	B&B; Full to Ground
PG	62	Picea glauca	White Spruce	5' High min.*	B&B; Full to Ground
BB	53	Picea pungens 'Baby Blue Eyes'	Baby Blue Eyes Colorado Spruce	5' High min.*	B&B, Full to Ground; grows 15 to 30 ft. tall, 15 ft. wide.
				*Measured from bottom of leader	
SHRUBS					
CP	66	Chamaecyparis pisifera 'FARROWCGMS'	Soft Serve Gold False Cypress	36 " High Min.	No. 7 Cont.; Grows 6-10 ft. high, 5-6 ft. wide
DG	66	Diervilla 'G2X88544'	Kodiak Orange Diervilla	24" High Min.	Grows to 4 ft. high and wide
HS	66	Hydrangea serrata 'SMNMAKTSR'	Tuff Stuff Red Hydrangea	24" High Min.	No. 5 Cont.; grows 3-4 ft. high and wide
JS	17	Juniperus scopulorum 'Blue Moffat'	Blue Moffat Juniper	4' High Min.	B&B: Grows to 15 ft. tall, 6 ft. wide.
ORNAMENTAL GRASS/GROUND COVER					
AMU	77	Aronia melanocarpa 'UCONNAM165'	Low Scape Mound Aronia	12" High Min.	No. 2 Cont.; Grows 1-2 feet high and 2-3 ft. wide

NOTE: All planting beds and trees shall receive a minimum 3-inch depth of dark shredded hardwood bark mulch

Landscape Plan

SCALE: 1"=30'

LANDSCAPE NOTES:

1. ALL PLANTS INSTALLED SHALL MEET OR EXCEED THE MINIMUM REQUIREMENTS AS NOTED ON THE PLANS AND IN THE LATEST EDITION ON THE AMERICAN STANDARD FOR NURSERY STOCK, BY THE AMERICAN ASSOCIATION OF NURSERYMEN, ANSI Z60.1

2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR HIS OWN QUANTITY TAKEOFF, THE QUANTITIES SHOWN ARE A MINIMUM AND ARE FOR REFERENCE ONLY.

3. THE CONTRACTOR SHALL PERFORM A ROUGH FIELD STAKEOUT OF ALL PLANTING MATERIAL LOCATIONS AND CONTACT THE OWNERS FIELD REPRESENTATIVE PRIOR TO ACTUALL INSTALLING. THE PLANTING MATERIAL LOCATIONS SHOWN ON THE PLANS ARE TO CONVEY THE DESIGN INTENT ONLY, ACTUAL LOCATIONS WILL BE FINALIZED BY THE OWNERS FIELD REPRESENTATIVE AT THE TIME OF INSTALLATION.

4. THE CONTRACTOR IS HEREBY NOTIFIED THAT IF UNDERGROUND UTILITIES EXIST IN THE VICINITY OF THE PLANTINGS, ALL PROPOSED PLANTINGS SHALL BE INSTALLED A MINIMUM OF 5' FROM ANY UNDERGROUND UTILITY, CONTACT THE OWNERS FIELD REPRESENTATIVE IF PLANTINGS SHOWN ON THE PLANS VIOLATE THIS SITUATION.

5. ALL TREES SHALL BE INSTALLED A MINIMUM OF 20' FROM ANY OVERHEAD ELECTRIC LINES.

6. PLANTING BACKFILL MIXTURE SHALL CONSIST OF 3 PARTS TOPSOIL, 1 PART PEAT MOSS, ⅓ PART MILORGANITE.

7. STAKE TREES IMMEDIATELY FOLLOWING INSTALLATION.

8. ALL PLANTED AREAS SHALL RECEIVE A 3' LAYER OF SHREDDED HARDWOOD BARK MULCH WITH 'PREEN'.

9. ALL DISTURBED AREAS NOT RECEIVING PLANTINGS (INCLUDING RIGHT-OF-WAYS) SHALL BE SEEDED. ALL DISTURBED LAWN AREA WITHIN THE NEW YORK STATE DEPARTMENT OF TRANSPORTATION (NYSDOT) ROW IS TO BE RESTORED USING ITEM 610.1402 TOPSOIL - ROADSIDE, AND ITEM 610.1602 TURF ESTABLISHMENT - LAWN (OR EQUAL) AND SHALL COMPLY WITH NYSDOT STANDARD SPECIFICATIONS SECTION 713-LANDSCAPE DEVELOPMENT MATERIALS.

10. THE AREAS ON THE PLAN TO BE SEEDED SHALL HAVE 4" MINIMUM OF TOPSOIL, DISK PLOWED, LEVELED AND HAND RAKED SMOOTH. SURFACE SHALL BE ROLLED TO REMOVE LUMPS.

11. ALL SEEDED AREAS SHALL BE HYDROSEEDED IN ACCORDANCE WITH THE SPECIFICATION INDICATED. WHERE REQUIRED BY CLIMATIC CONDITIONS, SLOPE OR SEASON OF PLANTING, SOD MAY BE SUBSTITUTED FOR SEEDING IN ORDER TO ACHIEVE THE REQUIRED COVERAGE.

12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR WATERING, MOWING AND OTHER MAINTENANCE TO SEEDED AREAS UNTIL THE PROJECT IS ACCEPTED BY THE OWNER, THIS SHALL INCLUDE WATERING DAILY FOR 15 DAYS OR AS REQUIRED BY WEATHER CONDITIONS AND RE-SEEDING OF THIN SPOTS FOLLOWING THE GERMINATION OF THE SEEDS.

13. EXISTING TREE LOCATIONS ARE APPROXIMATE, CONTRACTOR TO LOCATE LOCATIONS PRIOR TO CONSTRUCTION AND COORDINATE WITH TOWN LANDSCAPE ARCHITECT WHICH TREES SHALL BE REMOVED AND WHICH SHALL REMAIN AND BE PROTECTED DURING CONSTRUCTION.

PLANTING NOTES:

1. ALL INTERIOR LANDSCAPED AREAS SHALL HAVE A MINIMUM PLANTING SOIL DEPTH OF THREE (3) FEET AND BE FREE FROM ALL FORMS OF CONSTRUCTION DEBRIS AND FOREIGN MATERIAL.
2. ALL TREE PIT SAUCERS, SHRUB BEDS, ORNAMENTAL GRASS BEDS, AND PERENNIAL FLOWER BEDS SHALL RECEIVE 'PREEN' HERBICIDE AND THREE (3) INCHES DEPTH OF DARK SHREDDED HARDWOOD BARK MULCH.
3. ALL SEASONAL FLOWER BEDS SHALL BE A MINIMUM OF TWELVE (12) INCHES DEEP WITH A WELL-BLENDED MIXTURE OF 50% PEAT MOSS & 50% SCREENED TOPSOIL. SEASONAL FLOWER BEDS SHALL RECEIVE 'PREEN' HERBICIDE. NO MULCH SHALL BE INSTALLED IN THE SEASONAL FLOWER BEDS.
4. ALL DECIDUOUS AND EVERGREEN TREES SHALL BE STAKED WITH THREE (3) TREE STAKES AS PER TREE PLANTING DETAIL.

LANDSCAPE LEGEND

DECIDUOUS TREE

SMALL TREE

EVERGREEN TREE/SHRUB

SHRUB

NOTE: BOUNDARY AND TOPOGRAPHIC INFORMATION PROVIDED BY OTHERS, CARMINA WOOD DESIGN ASSUMES NO RESPONSIBILITY FOR ITS ACCURACY.

30 30' 0 30 60Ft.

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Buffalo | Utica | Greensboro

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Amherst, NY

REVISIONS:

No.	Description	Date
1	Rev. per Town comments	6/3/24
2	Rev. per Town comments	6/20/24
3	Rev. per DOT comments	11/1/24
4	Rev. per DOT comments	11/13/24

Robert C. Walter, RLA
Registered Landscape Architect
Member American Society of Landscape Architects
2765 Dodge Road, East Amherst, NY 14051-2113
Phone: 716-364-5564
RCWLandscapeArchitect@gmail.com

DRAWING NAME:

Landscape Plan

Date: 4/22
Drawn By: P. She
Scale: As No

DRAWING NO.

L-100

Project No: 23-4091

Attachment: SP-2024-05_A_drawings_062625 (30513 : SP-2024-05_A (Aka SUB-2025-01_PP), 4780 Sheridan Drive)

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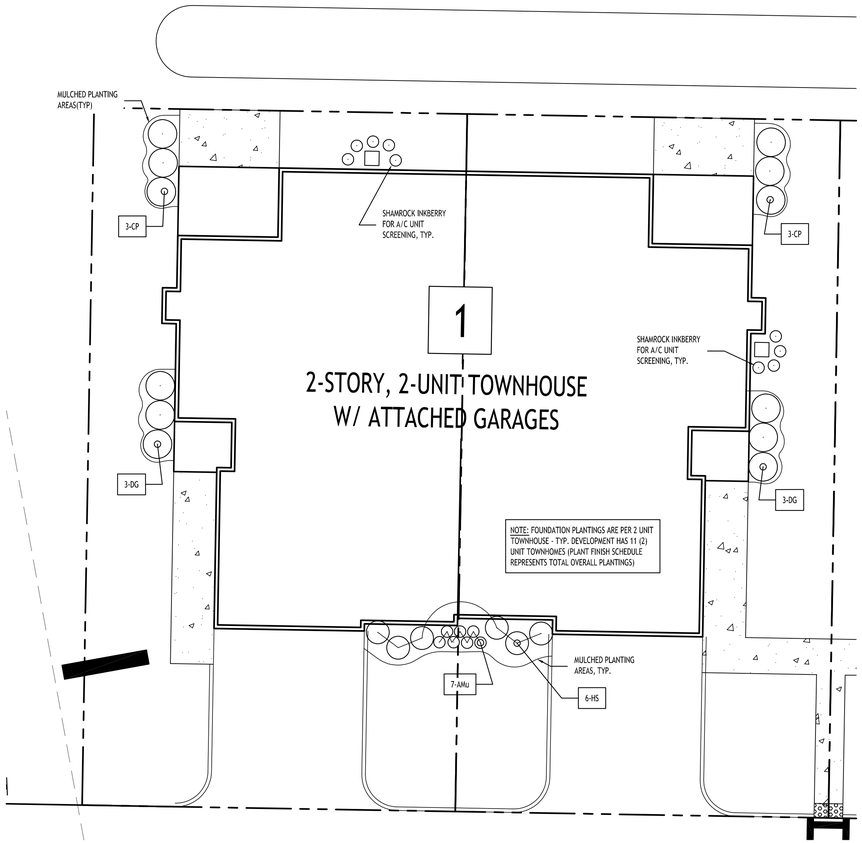
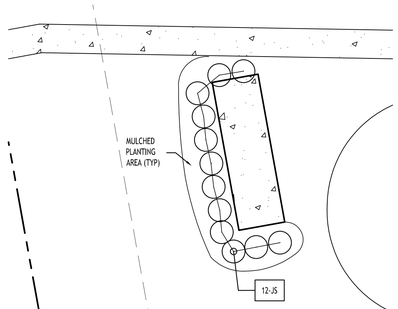


Landscape Foundation Planting

SCALE: 1"=10'



RPZ Screen Planting

SCALE: 1"=10'

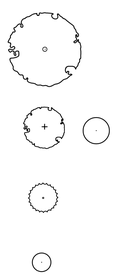
LANDSCAPE LEGEND

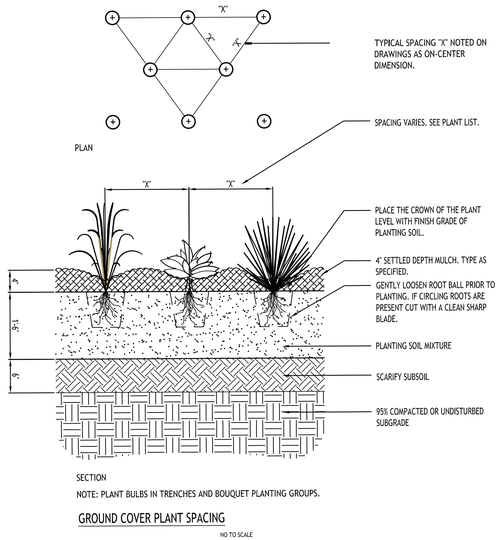
DECIDUOUS TREE

SMALL TREE

EVERGREEN TREE/SHRUB

SHRUB

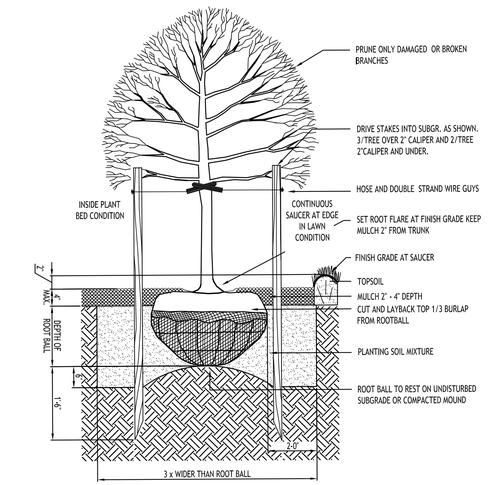




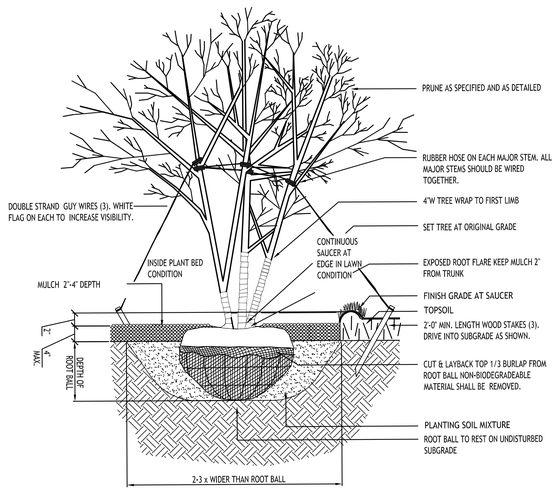
NOTE: PLANT BULBS IN TRENCHES AND BOUQUET PLANTING GROUPS.

GROUND COVER PLANT SPACING

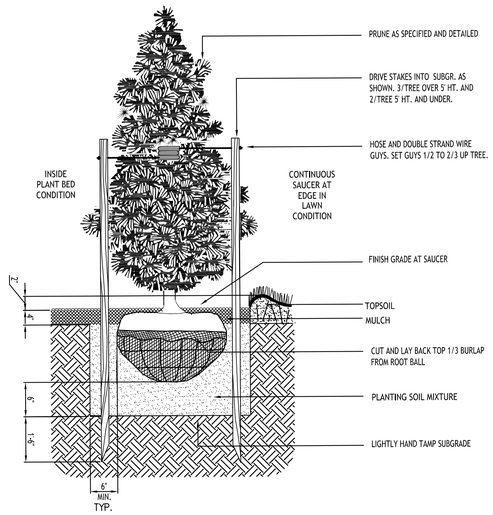
NO TO SCALE



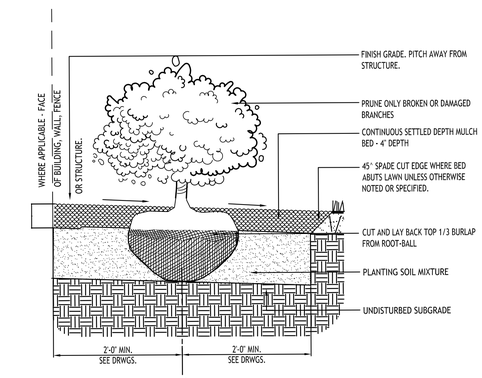
STD. DECIDUOUS TREET PLANTING



MULTI STEM - DECIDUOUS TREET PLANTING



STD. EVERGREEN PLANTING



STD. SHRUB PLANTING

NOTE: BOUNDARY AND TOPOGRAPHIC INFORMATION PROVIDED BY OTHERS, CARMINA WOOD DESIGN ASSUMES NO RESPONSIBILITY FOR ITS ACCURACY.

30 0 30 60Ft.

CARMINAWOOD DESIGN

Buffalo | Utica | Greensboro

Proposed Multi-Family

4774 & 4780 Sheridan Drive

Amherst, NY

REVISIONS:

No.	Description	Date
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Robert C. Walter, RLA
Registered Landscape Architect
Member American Society of Landscape Architects
2765 Dodge Road, East Amherst, NY 14051-2113
Phone: 716-364-5564
RCWLandscapeArchitect@gmail.com

DRAWING NAME:

Landscape Foundation Plans Details

Date: 4/22
Drawn By: P. She
Scale: As No

DRAWING NO.

L-101

Project No: 23-4091

Attachment: SP-2024-05_A (Aka SUB-2025-01_PP), 4780 Sheridan Drive) (30513 : SP-2024-05_A drawings_062625 (30513 : SP-2024-05_A drawings_062625

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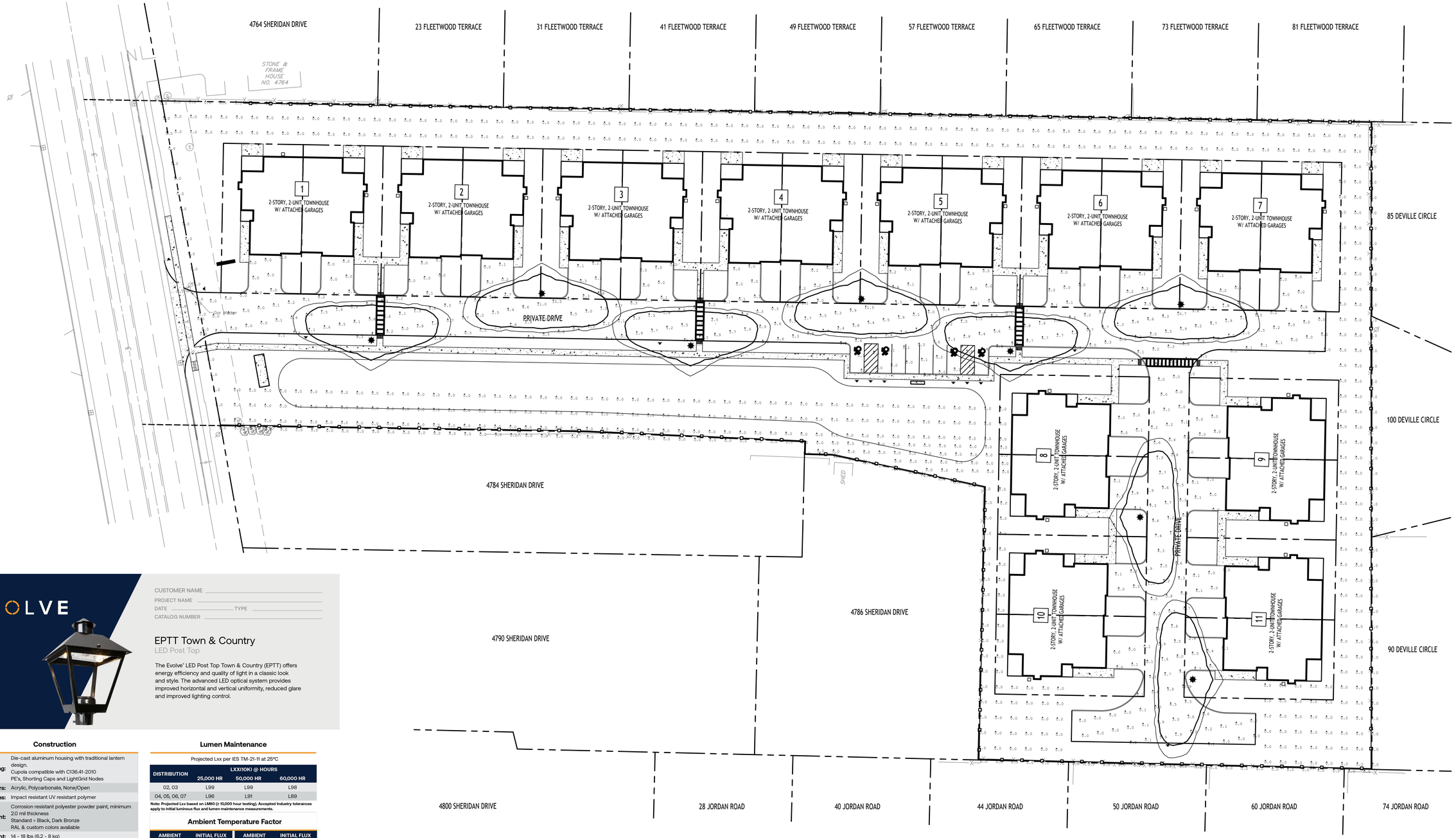
CARMINA WOOD DESIGN



N

Lighting Plan

SCALE: 1"=30'

Lighting Calculations Prepared by LightSpec, LLC
For pricing please contact David Suriani at dsuriani@lightspec.com

Luminaire Schedule			
Symbol	Qty	Label	Description
✱	8	S1	Hadco TVLN-48-G1-7-2S-740

Calculation Summary					
Label	CalcType	Units	Avg	Max	Min
Driveway Area	Illuminance	Fc	1.46	11.6	0.0
Property Line	Illuminance	Fc	0.00	0.3	0.0

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30' 30 0 30 60Ft.

EVOLVE

CUSTOMER NAME
PROJECT NAME
DATE TYPE
CATALOG NUMBER

EPTT Town & Country

LED Post Top

The Evolve® LED Post Top Town & Country (EPTT) offers energy efficiency and quality of light in a classic look and style. The advanced LED optical system provides improved horizontal and vertical uniformity, reduced glare and improved lighting control.

Construction

Housing:	Die-cast aluminum housing with traditional lantern design. Cupola compatible with C136.41-2010 PE's, Shorting Caps and LightGrid Nodes
Refractors:	Acrylic, Polycarbonate, None/Open
Lens:	Impact resistant UV resistant polymer
Paint:	Corrosion resistant polyester powder paint, minimum 2.0 mil thickness Standard = Black, Dark Bronze RAL & custom colors available
Weight:	14 - 18 lbs (6.2 - 8 kg)

Optical System

Lumens:	2,070-7,970
Distribution:	Symmetric Asymmetric
Efficacy:	72-130
CCT:	2700K, 3000K, 4000K, 5000K
CRI (Min):	≥70

Electrical

Input Voltage:	120-277V
Input Frequency:	50/60Hz
Power Factor:	≥ 90% at rated watts
Total Harmonic Distortion:	≤ 20% at rated watts

Surge Protection*

STANDARD	OPTIONAL
☐ 10kV/5kA	☐ Secondary 10kV/5kA (R Option)

*Per ANSI C136.2-2015

Lumen Maintenance

Projected Lxx per IES TM-21-11 at 25°C

DISTRIBUTION	LXX(10K) @ HOURS		
	25,000 HR	50,000 HR	60,000 HR
02, 03	L99	L99	L98
04, 05, 06, 07	L96	L91	L89

Note: Projected Lxx based on LM80 (≥ 10,000 hour testing). Accepted industry tolerances apply to initial luminous flux and lumen maintenance measurements.

Ambient Temperature Factor

AMBIENT TEMP (°C)	INITIAL FLUX FACTOR	AMBIENT TEMP (°C)	INITIAL FLUX FACTOR
10	1.02	30	0.99
20	1.01	40	0.98
25	1.00	50	0.97

Ratings

Operating Temperature:	-40°C to 50°C (Optical Code 02-06) -40°C to 40°C (Optical Code 07)
Vibration:	3G per ANSI C136.31-2010
LM-79:	Testing in accordance with IES Standards

Controls

Dimming:	Standard - 0-10V ☐ Optional - DALI (Option U) ☐
Sensors:	Photo Electric Sensors (PE) available LightGrid Compatible

Warranty

☐ 5 Year (Standard) ☐ 10 Year (Optional)

Not all product variations listed on this page are DLC qualified. Visit www.designlights.org/search to confirm qualifications.

Current

LED.com

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STATE OF NEW YORK
R. CHRISTOPHER WOOD
076394
LICENSED PROFESSIONAL ENGINEER

DRAWING NAME:

Lighting Plan

Date: 4/22
Drawn By: P. She
Scale: As No

DRAWING NO.

LP-100

Project No: 23-4091

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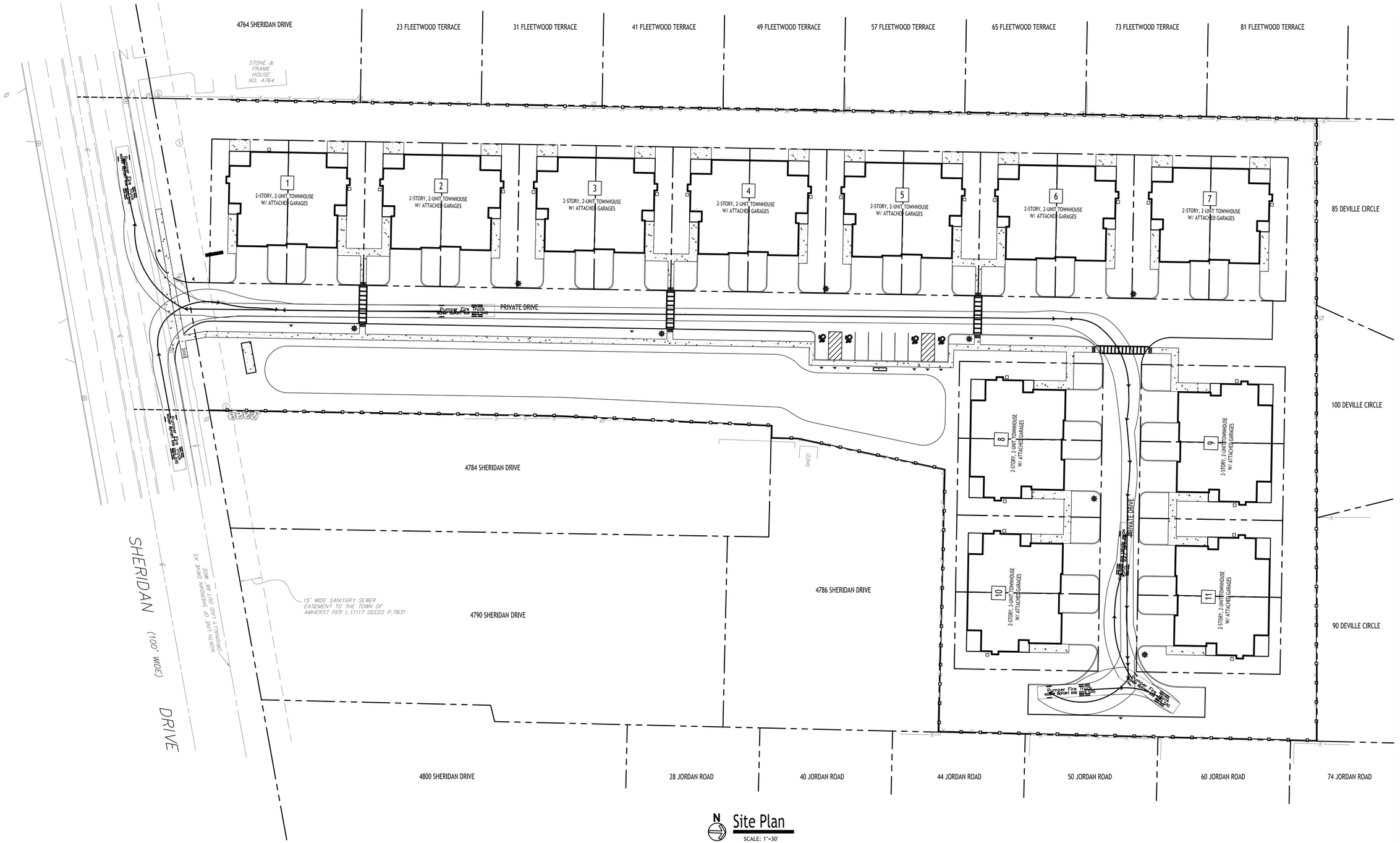
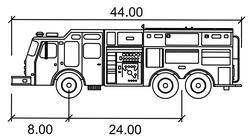


N

Site Plan

SCALE: 1"=30'



Pumper Fire Truck

	feet
Width	: 8.50
Track	: 8.50
Lock to Lock Time	: 6.0
Steering Angle	: 37.8

NOTE: BOUNDARY AND TOPOGRAPHIC INFORMATION PROVIDED BY OTHERS, CARMINA WOOD DESIGN ASSUMES NO RESPONSIBILITY FOR ITS ACCURACY.

30' 30 0 30 60Ft.

CARMINA WOOD DESIGN

Buffalo | Utica | Greensboro

Proposed Multi-Family

4774 & 4780 Sheridan Drive
Amherst, NY

REVISIONS:

No.	Description	Date

DRAWING NAME:

Truck Turn Plan

Date: 4/22
Drawn By: P. She
Scale: As No

DRAWING NO.

CT-10C

Project No: 23-4091

Attachment: SP-2024-05_A_drawings_062625 (30513 : SP-2024-05_A (Aka SUB-2025-01_PP), 4780 Sheridan Drive)

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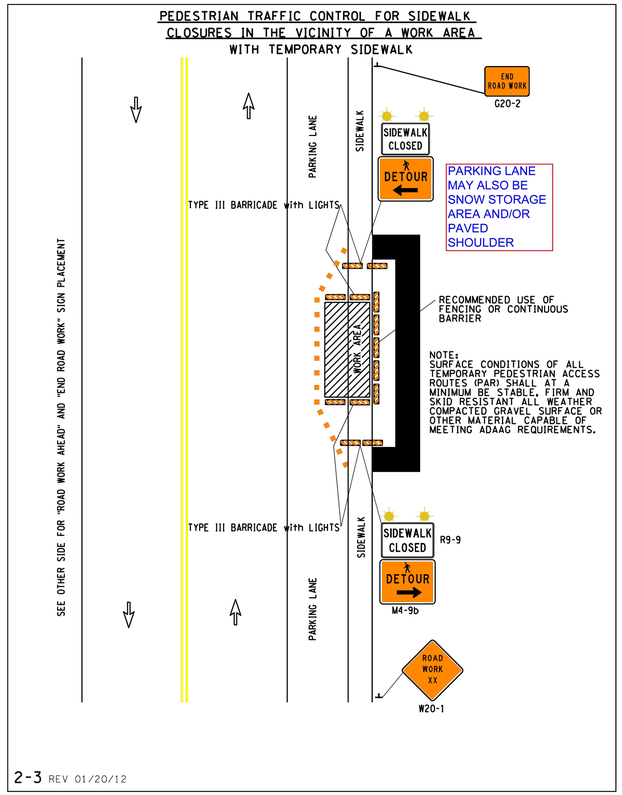
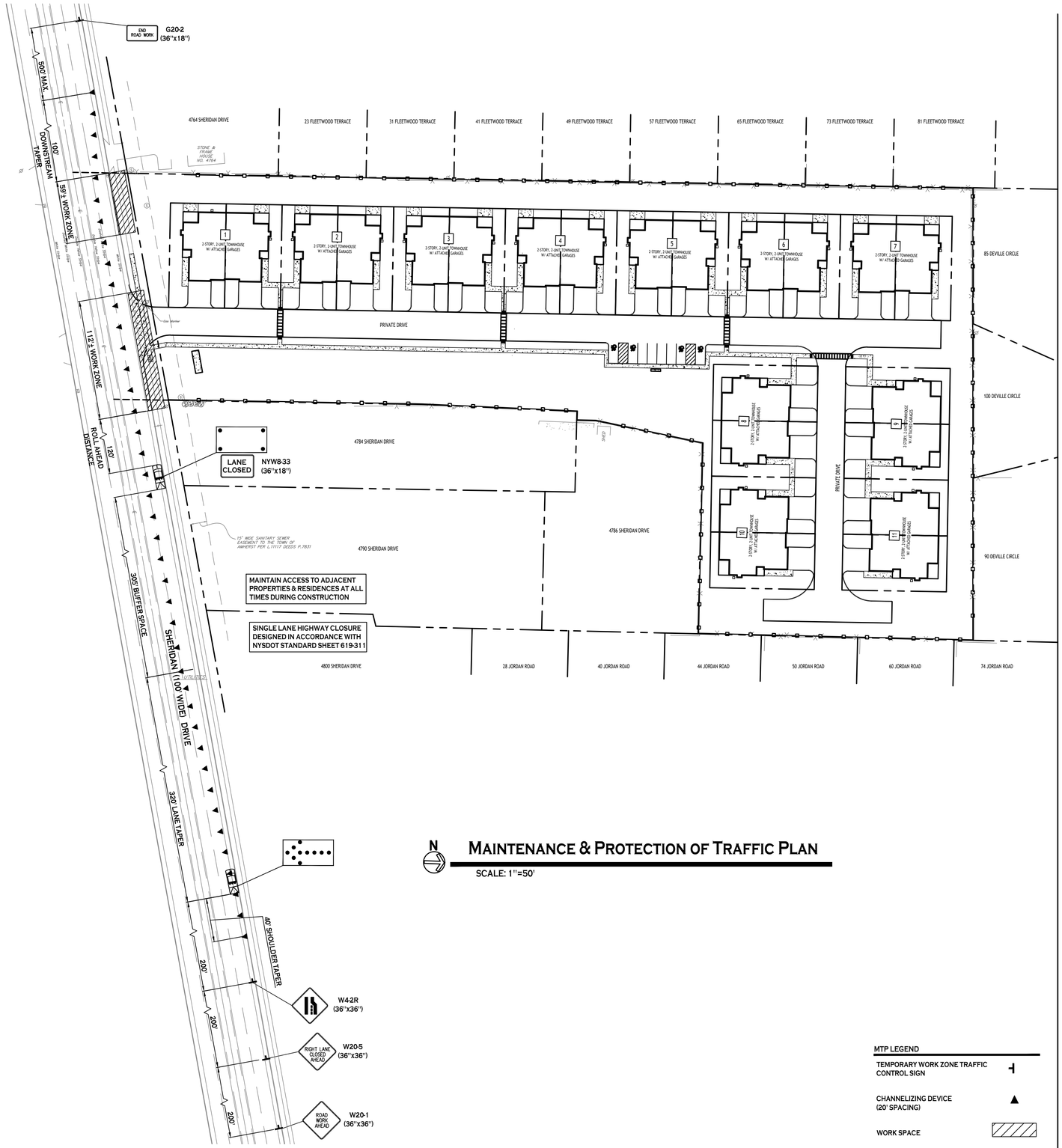
PEDESTRIAN TRAFFIC CONTROL FOR SIDEWALK CLOSURES IN THE VICINITY OF A WORK AREA WITH TEMPORARY SIDEWALK



2-3 REV 01/20/12



MAINTENANCE & PROTECTION OF TRAFFIC PLAN

SCALE: 1"=50'

MTP LEGEND

- TEMPORARY WORK ZONE TRAFFIC CONTROL SIGN
- CHANNELIZING DEVICE (20' SPACING)
- WORK SPACE

NOTE: BOUNDARY AND TOPOGRAPHIC INFORMATION PROVIDED BY OTHERS, CARMINA WOOD DESIGN ASSUMES NO RESPONSIBILITY FOR ITS ACCURACY.

50' 50 0 50 100Ft.

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Proposed Multi-Family

4774 & 4780 Sheridan Drive
Amherst, NY

REVISIONS:

No.	Description	Date
1	Rev. per DOT comments	11/1/24
2	Rev. per DOT comments	2/3/25

STATE OF NEW YORK R. CHRISTOPHER WOOD LICENSED PROFESSIONAL ENGINEER 076394

DRAWING NAME:

Maintenance & Protection of Traffic Plan

Date: 4/22
Drawn By: P. She
Scale: As No

DRAWING NO.

M-100

Project No: 23-4091

Attachment: SP-2024-05_A_drawings_062625 (30513 : SP-2024-05_A (Aka SUB-2025-01_PP), 4780 Sheridan Drive)

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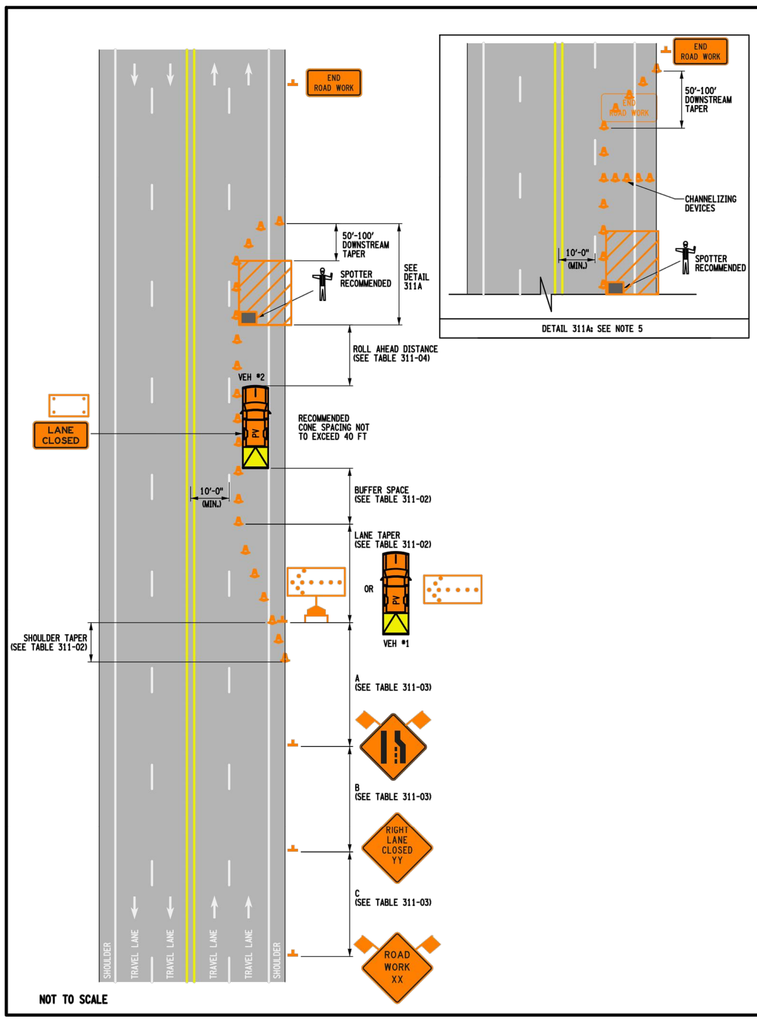
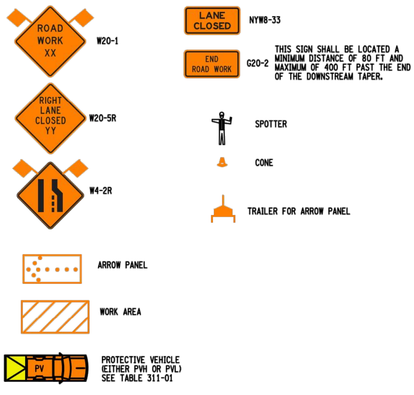


NOTES:

1. SHORT-TERM STATIONARY IS DAYTIME WORK THAT OCCUPIES A LOCATION FOR MORE THAN 1 HOUR WITHIN A SINGLE DAYLIGHT PERIOD.
2. IN URBAN CONDITIONS, ADVANCE WARNING SIGN SPACINGS MAY BE ADJUSTED IN ORDER TO ACCOMMODATE SIDE STREETS AND DRIVEWAYS. IF THERE IS A CONFLICT, MOVE THE SIGN UPSTREAM.
3. THE PROTECTIVE VEHICLE(S) SHALL MAINTAIN THE APPROPRIATE ROLL AHEAD DISTANCE, BE AN UNOCCUPIED TRUCK POSITIONED PARALLEL TO TRAFFIC, PARKING BRAKE SET, PLACED IN 2ND GEAR (MANUAL TRANSMISSIONS /ENGINE OFF) OR PARK / NEUTRAL (AUTOMATIC TRANSMISSIONS) AND HAVE THE FRONT WHEELS ALIGNED WITH THE LANE STRIPING.
4. THERE SHALL BE NO WORKERS, EQUIPMENT OR OTHER VEHICLES IN THE BUFFER SPACE OR THE ROLL AHEAD DISTANCE.
5. CHANNELIZING DEVICES SHALL BE PLACED TRANSVERSELY A MINIMUM OF EVERY 800' AS SHOWN WHEN A PAVED SHOULDER HAVING A WIDTH OF 8' OR GREATER IS CLOSED FOR A DISTANCE GREATER THAN 800'.



REFER TO SHEET 2 OF 2 FOR ALL TABLES

NEW YORK STATE OF OPPORTUNITY. Department of Transportation

U.S. CUSTOMARY STANDARD SHEET

WORK ZONE TRAFFIC CONTROL MULTILANE UNDIVIDED ROADWAY RIGHT LANE CLOSURE SHORT TERM OPERATION (SHEET 1 OF 2)

APPROVED DECEMBER 2, 2021	ISSUED UNDER EI 21-028
ROBERT LIMOGES, P.E. DIRECTOR, OTSM	619-311

ERRATA 2 EFF. 09/01/23 ISSUED WITH EB 23-016

ERRATA 1 EFF. 01/01/23 ISSUED WITH EB 22-050

FILE NAME = 619-311-1.dgn
DATE/TIME = 18-JAN-2023 12:13
USER = rfoote

TABLE 311-01: PROTECTIVE VEHICLE REQUIREMENTS

CLOSURE TYPE	ROAD TYPE & SPEED	NON-FREEWAY		
		≥ 45 MPH	35 - 40 MPH	≤ 30 MPH
	EXPOSURE CONDITIONS (SEE NOTE 1)			
LANE CLOSURE OR ENCROACHMENT	WORKERS ON FOOT OR WORK VEHICLE EXPOSED TO TRAFFIC	PVH+TMIA	PVL+TMIA	PVL
	-NO WORKERS ON FOOT -NO WORK VEHICLE EXPOSED TO TRAFFIC -OTHER HAZARDS EXPOSED (IE EQUIPMENT, MATERIALS)	PVH+TMIA	PVL	SEE NOTE 2
SHOULDER CLOSURE OR ENCROACHMENT	WORKERS ON FOOT OR WORK VEHICLE EXPOSED TO TRAFFIC	PVH+TMIA	PVL	PVL
	-NO WORKERS ON FOOT -NO WORK VEHICLE EXPOSED TO TRAFFIC -OTHER HAZARDS EXPOSED (IE EQUIPMENT, MATERIALS, EXCAVATION)	PVH+TMIA	PVL	SEE NOTE 2

LEGEND
PVL - PROTECTIVE VEHICLE LIGHT (MINIMUM GROSS WEIGHT 9,500 LBS. OR GREATER) (SEE NOTE 4)
PVH - PROTECTIVE VEHICLE HEAVY (MINIMUM GROSS WEIGHT 22,000 LBS. OR GREATER)
TMIA - TRUCK/TRAILER MOUNTED IMPACT ATTENUATOR

NOTES
1. THE EXPOSURE CONDITIONS ASSUME THERE IS NO POSITIVE PROTECTION PRESENT.
2. EITHER A PROTECTIVE LIGHT (PVL) OR THE STANDARD BUFFER SPACE (SEE TABLE 011-03 SHALL BE PROVIDED.
3. TRUCK/TRAILER MOUNTED IMPACT ATTENUATORS (TMIA) SHALL NOT BE MOUNTED/INSTALLED ON VEHICLES WITH A GROSS VEHICLE WEIGHT (GVW) LESS THAN WHAT IS MINIMALLY REQUIRED BY THE MANUFACTURER OF THE TMIA.
4. THE USE OF A PROTECTIVE VEHICLE LIGHT (PVL) AS A SHADOW VEHICLE IS LIMITED TO NON-FREEWAY ROADWAYS WHERE THE POSTED SPEED LIMITS IS ≤ 40 MPH UNLESS OTHERWISE AUTHORIZED BY THE ENGINEER.

TABLE 311-02: LONGITUDINAL BUFFER SPACE AND TAPER LENGTHS

PRECONSTRUCTION POSTED SPEED LIMIT (MPH)	LONGITUDINAL BUFFER SPACE DISTANCE (FT.)/ * OF SKIP LINES	TAPER LENGTH (FT.)/ * OF SKIP LINES/ * OF CHANNELIZING DEVICES			SHOULDER TAPER LENGTH (FT.)/ * OF SKIP LINES/ * OF CHANNELIZING DEVICES						
		LATERAL SHIFT OF TRAFFIC FLOW PATH (FT.)			FOR SHOULDER WIDTH						
		10	11	12	≤ 4 FT.	5 - 7 FT.	8 FT.	9 FT.	10 FT.	11 FT.	12 FT.
25	155 / 4	120/3/4	120/3/4	120/3/4	40/1/2	40/1/2	40/1/2	40/1/2	40/1/2	40/1/2	40/1/2
30	200 / 5	160/4/5	160/4/5	200/5/6	40/1/2	40/1/2	40/1/2	40/1/2	80/2/3	80/2/3	80/2/3
35	250 / 6	200/5/6	240/6/7	240/6/7	40/1/2	40/1/2	80/2/3	80/2/3	80/2/3	80/2/3	80/2/3
40	305 / 8	280/7/8	320/8/9	320/8/9	40/1/2	80/2/3	80/2/3	80/2/3	120/3/4	120/3/4	120/3/4
45	360 / 9	440/11/12	520/13/14	560/14/15	80/2/3	80/2/3	120/3/4	120/3/4	120/3/4	120/3/4	160/4/5
50	425 / 11	520/13/14	560/14/15	600/15/16	80/2/3	120/3/4	160/4/5	160/4/5	160/4/5	160/4/5	160/4/5
55	495 / 13	560/14/15	600/15/16	680/17/18	80/2/3	120/3/4	160/4/5	160/4/5	160/4/5	200/5/6	200/5/6

TABLE 311-03: ADVANCE WARNING SIGN SPACING

ROAD TYPE	DISTANCE BETWEEN SIGNS			SIGN LEGEND	
	A (FT.)	B (FT.)	C (FT.)	XX	YY
URBAN (≤ 30 MPH*)	100	100	100	AHEAD	AHEAD
URBAN (35-40 MPH*)	200	200	200	AHEAD	AHEAD
URBAN (≥ 45 MPH*)	350	350	350	1000 FT.	AHEAD
RURAL	500	500	500	1500 FT.	1000 FT.

* PRECONSTRUCTION POSTED SPEED LIMIT

TABLE 311-04: ROLL AHEAD DISTANCE FOR PROTECTIVE VEHICLES

PRECONSTRUCTION POSTED SPEED LIMIT (MPH)	ROLL AHEAD DISTANCE (FT.)/* OF SKIP LINES FOR VEHICLES	
	STATIONARY OPERATION	
	PROTECTIVE VEHICLES WEIGHING 9,500 TO 21,999 LBS. GVW	PROTECTIVE VEHICLES WEIGHING 22,000 LBS. OR GREATER GVW
≥ 60	200/5	160/4
45 - 55	160/4	120/3
≤ 40	120/3	80/2

TABLE 311-05: REQUIRED SIGN SIZES*

SIGN	NON-FREEWAY	FREEWAY
G20-2	36x18	48x24
NYW8-33	48x24	48x24
W4-2R	36x36	48x48
W20-1	36x36	48x48
W20-5R	36x36	48x48
WARNING FLAG	18x18	18x18

*FREEWAY SIZES MAY BE USED ON NON-FREEWAY, IF SPACE CONSTRAINTS DO NOT EXIST.

NEW YORK STATE OF OPPORTUNITY. Department of Transportation

U.S. CUSTOMARY STANDARD SHEET

WORK ZONE TRAFFIC CONTROL MULTILANE UNDIVIDED ROADWAY RIGHT LANE CLOSURE SHORT TERM OPERATION (SHEET 2 OF 2)

APPROVED DECEMBER 2, 2021	ISSUED UNDER EI 21-028
ROBERT LIMOGES, P.E. DIRECTOR, OTSM	619-311

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DRAWING NO. M-101

DRAWING NAME: NYSDOT Standard Sheets

Project No: 23-4091

Date:
Submitted By:
Scale: 4/22
P.S. No
As No

REVISIONS:

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1	Added per DOT comments	11/1/24

Proposed Multi-Family

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FILE NAME = 619-010-1.2.dgn
DATE/TIME = 02-MAY-2024 08:11
USER = akurejl

GENERAL NOTES

1. THE TYPICAL DETAILS DEPICTED ON THE STANDARD SHEETS AND IN THE MUTCD, REFLECT THE MINIMUM REQUIREMENTS.
2. PROPOSED REVISIONS TO THE TRAFFIC CONTROL PLAN SHALL BE PROVIDED, IN WRITING, TO THE DOT ENGINEER FOR REVIEW AND APPROVAL BY THE REGIONAL DIRECTOR OR HIS/HER DESIGNEE FIVE (5) WORK DAYS PRIOR TO THE PLANNED IMPLEMENTATION OF SUCH PROPOSED REVISIONS, EXCEPT FOR CHANGES THAT ALTER THE SCOPE OF THE TRAFFIC CONTROL PLAN. SUCH CHANGES IN SCOPE MUST BE SUBMITTED TO THE ENGINEER FOR APPROVAL BY THE REGIONAL DIRECTOR OR HIS/HER DESIGNEE THIRTY (30) WORK DAYS PRIOR TO IMPLEMENTATION OF SUCH REVISIONS.
3. THE NAMES, ADDRESSES, AND TELEPHONE NUMBERS OF STAFF WHO ARE AUTHORIZED TO SECURE LABOR, MATERIALS, AND EQUIPMENT FOR EMERGENCY REPAIRS OUTSIDE NORMAL WORKING HOURS SHALL BE PROVIDED, IN WRITING, TO THE NYSDOT ENGINEER. THE ENGINEER WILL PROVIDE THE SUBMITTED INFORMATION TO REGIONAL MANAGEMENT, THE NEW YORK STATE POLICE, THE RESIDENT ENGINEER, AND THE LOCAL POLICE.
4. STANDARD SHEET 619-503 MAY BE USED FOR AN OFFSITE DETOUR SETUP FOR BOTH LONG TERM AND SHORT TERM WORK DURATIONS.
5. REGIONAL HIGH-VOLUME RESTRICTIONS SHALL BE FOLLOWED. CONSULT WITH DOT ENGINEER IF EXCEPTION NEEDED.
6. PLAN AHEAD TO AVOID CONFLICTING WORK ZONES. CHECK FOR CONSTRUCTION PROJECTS, CLOSURES, & RESTRICTIONS AT WWW.511NY.ORG, WWW.DOT.NY.GOV/PROJECTS, AND WITH NYSDOT ENGINEER.
7. WORK ZONE INCIDENTS SHALL BE DOCUMENTED AND REPORTED USING EITHER THE DEPARTMENT'S WORK ZONE INCIDENT FORM, OR THE CONSTRUCTION INCIDENT REPORTING SYSTEM, AS APPROPRIATE.
8. CONSIDER CLOSURE WIDTH AND THE ABILITY TO ACCOMMODATE WIDE LOAD VEHICLES BEFORE ESTABLISHING WORK ZONES.
9. IF THE WORK ZONE AFFECTS AN EXISTING ACCESSIBLE AND DETECTABLE PEDESTRIAN FACILITY, ACCESSIBILITY AND DETECTABILITY SHALL BE PROVIDED ALONG THE ALTERNATE ROUTE.

ACTIVITY AREA

1. A 500' MINIMUM LONGITUDINAL DISTANCE SHALL BE MAINTAINED BETWEEN CONSTRUCTION OPERATIONS ON ALTERNATE SIDES OF THE ROADWAY, UNLESS OTHERWISE APPROVED BY THE ENGINEER.
2. WHEN TWO OR MORE AREAS ARE ADJACENT, OVERLAP, OR ARE IN CLOSE PROXIMITY, THE CONTRACTOR SHALL ENSURE THERE ARE NO CONFLICTING SIGNS AND THAT LANE CONTINUITY IS MAINTAINED THROUGHOUT ALL WORK AREAS.

SIGNS

1. THE LOCATIONS OF THE SIGNS SHOWN ON THE WORK ZONE TRAFFIC CONTROL PLANS AND DETAILS MAY BE ADJUSTED BASED ON SIGHT DISTANCE AND OTHER CONSIDERATIONS. THE FINAL LOCATIONS OF SIGNS ARE SUBJECT TO APPROVAL OF THE ENGINEER.
2. FOR LONG TERM WORK DURATIONS, ANY EXISTING SIGNS, INCLUDING OVERHEAD SIGNS, WHICH CONFLICT WITH THE TEMPORARY TRAFFIC CONTROL SIGN LAYOUT SHALL BE COVERED, REMOVED, STORED OR RESET, AS APPROVED BY THE ENGINEER. ALL APPROPRIATE EXISTING SIGNS SHALL BE RESTORED TO THEIR ORIGINAL CONDITION AND/OR LOCATION UNLESS OTHERWISE REPLACED IN THIS CONTRACT.
3. SIGNS AT OR NEAR INTERSECTIONS SHALL BE PLACED SO THAT THEY DO NOT OBSTRUCT A MOTORIST'S LINE OF SIGHT.
4. SIGNS MOUNTED ON THE MEDIAN OF DIVIDED HIGHWAYS WHERE MEDIAN BARRIER IS IN PLACE MAY BE MOUNTED ON THE BARRIER WITH A SADDLE TYPE BRACKET OR OMITTED WITH THE APPROVAL OF THE DOT ENGINEER. LAYING THE SIGN DOWN IN A HORIZONTAL POSITION IS NOT PERMITTED.
5. THE DIMENSIONS OF WORK ZONE TRAFFIC CONTROL SIGNS ARE DESCRIBED IN THE MUTCD. ANY CHANGES TO THE DIMENSIONS SHALL BE APPROVED BY THE REGIONAL DIRECTOR OR BY HIS/HER DESIGNEE.
6. NYR9-12 SHALL BE USED IN PLACE OF NYR9-11 WHEN A REDUCED REGULATORY SPEED LIMIT SIGN IS AUTHORIZED.
7. RIGID AND FLEXIBLE "ROLL-UP" SIGNS MAY BE USED FOR MOBILE, SHORT DURATION AND SHORT-TERM STATIONARY WORK. RIGID SIGNS MUST BE MOUNTED AT LEAST 5 FEET ABOVE GRADE IF FEET WHERE THERE ARE PEDESTRIANS OR PARKED CARS). FLEXIBLE SIGNS SHALL BE MOUNTED AT LEAST ONE FOOT ABOVE GRADE. MESH SIGNS SHALL NOT BE USED. USE RETRO REFLECTORIZED RIGID SIGNS FOR NIGHTTIME WORK.

LANE WIDTHS

1. UNLESS AUTHORIZED BY THE ENGINEER, THE MINIMUM LANE WIDTHS FOR WORK ZONE TRAVEL LANES SHALL BE AS FOLLOWS: FREEWAYS AND/OR EXPRESSWAYS IS 11'. THE MINIMUM LANE WIDTH FOR ALL OTHER TYPES OF ROADWAYS IS 10'.
2. A WRITTEN NOTE SHALL BE PROVIDED TO THE ENGINEER, A MINIMUM OF 21 CALENDAR DAYS IN ADVANCE OF PERFORMING ANY WORK THAT RESULTS IN THE REDUCED WIDTH OF AN EXISTING ROADWAY, SO THAT THE ENGINEER MAY NOTIFY THE REGIONAL PERMIT ENGINEER IN A TIMELY MANNER.
3. IF THE WORK ZONE AFFECTS PEDESTRIANS, A MINIMUM PEDESTRIAN PATHWAY WIDTH OF 5 FEET SHALL BE MAINTAINED UNLESS OTHERWISE AUTHORIZED BY THE ENGINEER.
4. TEMPORARY BICYCLE ACCOMMODATIONS SHALL NOT BE LESS THAN WHAT CURRENTLY EXISTS UNLESS AUTHORIZED BY THE ENGINEER.

PROTECTIVE VEHICLES

1. PROTECTIVE VEHICLES ARE DIVIDED INTO 2 CATEGORIES BASED ON THE GROSS VEHICLE WEIGHT (GVWR)

   - PROTECTIVE VEHICLE LIGHT (PVL) SHALL HAVE A MINIMUM GVW OF 9,500 LBS. OR GREATER.

   - PROTECTIVE VEHICLE HEAVY (PVH) SHALL HAVE A MINIMUM GVW OF 22,000 LBS. OR GREATER.
2. IF THE PROTECTIVE VEHICLE ENCROACHES INTO THE TRAVEL LANE, OR IF IT REMAINS ENTIRELY ON THE SHOULDER OF ANY HIGH SPEED ROAD (45 MPH), IT SHALL BE EQUIPPED WITH A DEPLOYED TRUCK/TRAILER MOUNTED IMPACT ATTENUATOR (TMIA, SEE TABLE 011-01 ON SHEET 619-011). BALLAST MAY BE USED TO BRING A LIGHTER VEHICLE UP TO THE INDICATED WEIGHT PROVIDED THE BALLAST IS SECURELY CONTAINED WITHIN AN ENCLOSED BODY OR OTHERWISE SECURELY FASTENED TO THE VEHICLE PURSUANT TO FEDERAL MOTOR CARRIER SAFETY ADMINISTRATION (FMCSA) CARGO SECUREMENT RULES, SUCH THAT:

   - THE BALLAST WILL NOT SEPARATE FROM THE VEHICLE UPON IMPACT AND

   - THE BALLAST WEIGHT WILL NOT EXCEED THE MANUFACTURER'S GROSS VEHICLE WEIGHT RATING (GVWR).

   - TRUCK/TRAILER MOUNTED IMPACT ATTENUATORS SHALL NOT BE MOUNTED/INSTALLED ON VEHICLES WITH A GROSS WEIGHT (GVW) LESS THAN WHAT IS MINIMALLY REQUIRED BY THE MANUFACTURER OF THE TMIA.
3. WHEN A PROTECTIVE VEHICLE(S) IS USED BETWEEN THE WORK VEHICLE (CREW) OR HAZARD AND THE TRAFFIC IN A MOVING OPERATION IT IS REFERRED TO AS A SHADOW VEHICLE(S).
4. WHEN A PROTECTIVE VEHICLE(S) IS USED BETWEEN THE WORK VEHICLE (CREW) OR HAZARD AND THE TRAFFIC IN A STATIONARY OPERATION IT IS REFERRED TO AS A BARRIER VEHICLE(S).
5. WHEN A PROTECTIVE VEHICLE IS USED IN ADVANCE OF EITHER MOVING OR STATIONARY OPERATIONS TO DISPLAY SIGN MESSAGES IT IS REFERRED TO AS AN ADVANCE WARNING VEHICLE. WHEN SIGNS ARE MOUNTED ON AN ADVANCED WARNING VEHICLE, THEY SHALL NOT OBSTRUCT VISIBILITY OF ANY LIGHTS (TAILLIGHTS OR WARNING LIGHTS), OR SIDE-VIEW MIRRORS ON THE VEHICLE, OR TRUCK MOUNTED ARROW BOARDS.
6. IN A MOVING OPERATION OR A STATIONARY OPERATION THAT OCCUPIES A LOCATION FOR UP TO 1 HOUR, THE OPERATOR SHALL REMAIN IN THE PROTECTIVE VEHICLE WITH THE SAFETY BELT AND HEADREST PROPERLY ADJUSTED, MAINTAIN VEHICLE SPACING, AND KEEP THE WHEELS ALIGNED WITH THE LANE STRIPING AND LANE TO MAINTAIN LANE DISCIPLINE AND TO STAY IN LANE IF STRUCK. THE PARKING BRAKE SHALL BE SET WHENEVER POSSIBLE. TWO-WAY RADIOS SHOULD BE USED TO COMMUNICATE BETWEEN THE OPERATOR AND THE WORK CREW.
7. IN A STATIONARY OPERATION THAT OCCUPIES A LOCATION FOR MORE THAN 1 HOUR, ONCE THE PROTECTIVE VEHICLE HAS BEEN APPROPRIATELY PLACED, IT SHOULD BE UNOCCUPIED. UNOCCUPIED VEHICLE SHALL BE POSITIONED PARALLEL TO TRAFFIC, PARKING BRAKE SET, PLACED IN 2ND GEAR (MANUAL TRANSMISSIONS /ENGINE OFF) OR PARK / NEUTRAL (AUTOMATIC TRANSMISSIONS). THE FRONT WHEELS SHALL BE ALIGNED WITH THE LANE STRIPING AND LANE TO MAINTAIN LANE DISCIPLINE AND TO STAY IN LANE IF STRUCK.
8. NO WORK ACTIVITY, EQUIPMENT, VEHICLES AND/OR MATERIALS SHALL BE LOCATED BETWEEN THE PROTECTIVE VEHICLE AND THE ACTIVE WORK AREA (ROLL AHEAD DISTANCE).
9. DIRECT VERBAL COMMUNICATION BETWEEN THE PROTECTIVE VEHICLES AND THE WORK VEHICLE(S) / EQUIPMENT SHALL BE UTILIZED WHERE AVAILABLE.

CHANNELIZING DEVICES

1. WHERE POSSIBLE ALL CHANNELIZING AND GUIDING DEVICES ARE TO BE PLACED SO AS TO PROVIDE A MINIMUM 2' LATERAL CLEARANCE TO THE TRAVELED WAY.
2. A DROP-OFF OF GREATER THAN 24 INCHES WITHIN 10 FEET FROM THE EDGE OF THE TRAVELED WAY TO REMAIN AT THE END OF THE WORK SHIFT SHALL BE SEPARATED FROM TRAFFIC WITH POSITIVE BARRIER. FOR POSTED SPEED LIMIT OF 45 MPH AND LESS, A DROP-OFF OF GREATER THAN 24 INCHES WITHIN 10 FEET FROM THE EDGE OF THE TRAVELED WAY THAT IS 100 FEET OR LESS IN LENGTH WILL BE ALLOWED WITH CHANNELIZING DEVICES CONSISTING OF DRUMS, EXTRA TALL CONES, OR OVERSIZED VERTICAL PANELS ONLY AT A MAXIMUM SPACING OF 20 FEET FOR SHORT DURATIONS NOR TO EXCEED ONE WORK SHIFT.
3. TEMPORARY POSITIVE BARRIER MAY BE SUBSTITUTED WITH DRUM CHANNELIZING DEVICES, IN SOME CIRCUMSTANCES, WITH APPROVAL OF THE REGIONAL TRAFFIC ENGINEER BASED ON GUIDANCE FOUND IN THE HIGHWAY DESIGN MANUAL AND ENGINEERING JUDGEMENT.

PUBLIC ACCESS

1. PROPERTY OWNERS WHOSE DRIVEWAYS WILL BE MADE INACCESSIBLE SHALL BE NOTIFIED AT LEAST 24 HOURS PRIOR TO RESTRICTING USE OF THE DRIVEWAY. FOR MULTIPLE ACCESS PROPERTIES, AT LEAST ONE DRIVEWAY SHALL BE OPEN AT ALL TIMES. ACCESS SHALL BE RESTORED TO ALL DRIVEWAYS AS SOON AS POSSIBLE.
2. SUITABLE RAMPS SHALL BE INSTALLED TO MAINTAIN SMOOTH TRANSITIONS FROM RESIDENTIAL AND COMMERCIAL DRIVEWAYS TO AND FROM THE WORK AREA.

LANE CLOSURES

1. LANE CLOSURES SHALL BE LOCATED TO PROVIDE OPTIMUM VISIBILITY, I.E. BEFORE CURVES AND CRESTS, TO THE EXTENT CONDITIONS PERMIT.
2. THE ENGINEER MAY REQUIRE THAT ALL LANES BE RE-OPENED AT ANY TIME IF THE ROUTE IS NEEDED FOR EMERGENCY PURPOSES. THIS COULD INCLUDE INCIDENTS AT LOCATIONS OUTSIDE THE CONTRACT LIMITS.
3. EACH ARROW PANEL SHALL BE VISIBLE 1500 FEET IN ADVANCE FROM ANY POINT WITHIN THE ROADWAY.

TOLERANCE NOTE

1. ALL DIMENSIONS ON ANY 619 STANDARD SHEET ARE NOMINAL.

   - WHEN A DECIMAL POINT WITH SIGNIFICANT DIGIT(S) TO THE RIGHT OF IT IS/ARE PRESENT-TOLERANCE FOR EACH DIMENSION IS ONE HALF OF THE LAST SIGNIFICANT DIGIT IN THE UNITS SHOWN. (e.g. 1.0' IS 0.05' & 1.00' IS 0.005").

   - OTHERWISE, TOLERANCE FOR EACH DIMENSION IS THE LESSER OF 10% OF THE NOMINAL DIMENSION SHOWN OR 6" (e.g. TOLERANCE FOR 3' IS 3.6" & TOLERANCE FOR 10' IS 6").
2. TOLERANCE ARE NOT CUMULATIVE. ABOVE DOES NOT APPLY WHEN ANY RANGE, MAXIMUM OR MINIMUM DIMENSION OR A CONTEXT SPECIFIC TOLERANCE IS SPECIFIED.

NEW YORK STATE OF OPPORTUNITY. Department of Transportation

U.S. CUSTOMARY STANDARD SHEET

WORK ZONE TRAFFIC CONTROL
GENERAL NOTES
(SHEET 1 OF 2)

ERRATA 3 EFF. 05/01/24 ISSUED WITH EB 24-007	APPROVED DECEMBER 21, 2022	ISSUED UNDER EI 22-033
ERRATA 2 EFF. 09/01/23 ISSUED WITH EB 23-016	Robert Limoges	619-010
ERRATA 1 EFF. 05/01/23 ISSUED WITH EB 22-033	ROBERT LIMOGES, P.E. DIRECTOR, OTSM	

FILE NAME = 619-010-2.2.dgn
DATE/TIME = 02-MAY-2024 08:11
USER = akurejl

WORK DURATION DEFINITIONS

1. THERE ARE MAINLY FIVE WORK DURATIONS:

   A. LONG-TERM IS STATIONARY WORK THAT OCCUPIES A LOCATION MORE THAN 3 CONSECUTIVE DAYS.

   B. INTERMEDIATE-TERM IS STATIONARY WORK THAT OCCUPIES A LOCATION MORE THAN ONE DAYLIGHT PERIOD UP TO 3 CONSECUTIVE DAYS, OR NIGHTTIME WORK LASTING MORE THAN 1 HOUR.

   C. SHORT-TERM IS STATIONARY DAYTIME WORK THAT OCCUPIES A LOCATION FOR MORE THAN 1 HOUR WITHIN A SINGLE DAYLIGHT PERIOD.

   D. SHORT DURATION IS WORK THAT OCCUPIES A LOCATION UP TO 1 HOUR. IT CAN BE PERFORMED DURING THE DAYTIME OR AT NIGHT IN ACCORDANCE WITH NOTES N1 TO N11 NOTES ON NIGHTTIME WORK.

   E. MOBILE IS WORK THAT MOVES INTERMITTENTLY OR CONTINUOUSLY WHERE THE WORK AT ANY SPECIFIC LOCATION COMPLETES WITHIN 15 MINUTES. IT IS USED FOR VEHICLE BASED OPERATIONS AND DOES NOT INVOLVE WORKERS ON FOOT. IT CAN BE PERFORMED DURING THE DAYTIME OR AT NIGHT IN ACCORDANCE WITH NOTES N1 TO N10 NOTES ON NIGHTTIME WORK.
2. SPECIAL OPERATIONS ARE WORK OPERATIONS THAT DO NOT FIT INTO ONE OF THE ABOVE FIVE CATEGORIES. SPECIAL OPERATIONS INCLUDE:

   A. STOP AND GO OPERATIONS - WORK THAT COMPLETES WITHIN 5 MINUTES AND ALLOWS WORKERS ON FOOT.

   B. OTHER OPERATIONS INCLUDING MOWING, MULCHING/HERBICIDE OPERATIONS, TEMPORARY ROAD/INTERSECTION CLOSURES, ETC.

ROADWAY TYPE DEFINITIONS

1. FREEWAY:

   A. INTERSTATE: INTERREGIONAL HIGH-SPEED, HIGH-VOLUME, DIVIDED FACILITIES WITH COMPLETE CONTROL OF ACCESS.

   B. PARKWAY: DIVIDED HIGHWAYS FOR NON-COMMERCIAL TRAFFIC WITH FULL CONTROL OF ACCESS, GRADE PARKWAY SEPARATIONS, INTERCHANGES, AND OCCASIONAL AT-GRADE INTERSECTIONS. PARKWAYS ARE DESIGNATED BY LAW.
2. EXPRESSWAY: DIVIDED HIGHWAYS FOR THROUGH TRAFFIC WITH FULL OR PARTIAL CONTROL OF ACCESS AND GENERALLY WITH GRADE SEPARATIONS AT MAJOR CROSSROADS. ALL FREEWAY STANDARD SHEETS ARE APPLICABLE TO EXPRESSWAY.
3. NON-FREEWAY:

   A. MULTILANE DIVIDED HIGHWAY

   B. MULTILANE UNDIVIDED HIGHWAY

   C. TWO-LANE TWO-WAY ROADWAY

ALL NON-FREEWAYS CAN BE EITHER URBAN OR RURAL:

URBAN: (MEETS MORE THAN 1 OF THE FOLLOWING CRITERIA)
- •HIGH DENSITY DEVELOPMENT
- •ON-STREET PARKING
- •VARIED BUILDING SETBACKS
- •MULTI-STORY AND LOW-TO MEDIUM-RISE STRUCTURES FOR RESIDENTIAL
- •COMMERCIAL AND EDUCATIONAL USES, STRUCTURES THAT ACCOMMODATE MIXED USES: COMMERCIAL, RESIDENTIAL, AND PARKING
- •LIGHT INDUSTRIAL, AND SOMETIMES HEAVY INDUSTRIAL, LAND USE
- •PROMINENT DESTINATIONS WITH SPECIALIZED STRUCTURES, E.G., LARGE THEATERS, SPORTS FACILITIES OR CONFERENCE CENTERS
- •HIGH LEVELS OF PEDESTRIAN AND BICYCLIST ACTIVITY, WITH NEARLY CONTINUOUS SIDEWALKS AND MARKED CROSSWALKS
- •HIGHER DENSITY OF TRANSIT STOPS AND ROUTES
- •DRIVEWAY DENSITIES GREATER THAN 25 DRIVEWAYS/MILE ON EACH SIDE OF THE ROAD
- •MINOR COMMERCIAL DRIVEWAY DENSITIES OF 10 DRIVEWAYS/MILE OR GREATER
- •MAJOR COMMERCIAL DRIVEWAYS
- •HIGH DENSITY OF CROSS STREETS

RURAL: DOES NOT MEET MORE THAN ONE OF THE ABOVE CRITERIA.

NOTES FOR NIGHTTIME OPERATIONS:

N1. WORK OCCURRING AFTER SUNSET AND BEFORE SUNRISE WILL BE CONSIDERED NIGHTTIME OPERATIONS.

N2. ALL SIGNS, STOP/SLOW PADDLES AND RED FLAGS USED TO WARN/ALERT/CONTROL TRAFFIC SHALL BE RETROREFLECTIVE.

N3. ALL WORKERS INVOLVED SHALL WEAR PROTECTIVE HELMETS AND NIGHTTIME APPAREL IN ACCORDANCE WITH §107-09A. HIGH VISIBILITY APPAREL AT ALL TIMES.

N4. VEHICLES OPERATING ON THE PAVEMENT OF A CLOSED ROADWAY OR TRAVEL LANE SHALL DISPLAY ROTATING AMBER BEACONS OR FLASHING LED BEACONS AT ALL TIMES.

N5. LEVEL I ILLUMINATION SHALL BE PROVIDED NEAR THE BEGINNING OF LANE CLOSURE TAPERS AND AT ROAD CLOSURES, INCLUDING THE SETUP AND REMOVAL OF THE CLOSURE TAPERS.

N6. LEVEL II ILLUMINATION SHALL BE PROVIDED FOR FLAGGING STATIONS, ASPHALT PAVING, MILLING, AND CONCRETE PLACEMENT AND/OR REMOVAL OPERATIONS, INCLUDING BRIDGE DECKS, 50 FEET AHEAD OF AND 100 FEET BEHIND A PAVING OR MILLING MACHINE.

N7. LEVEL III ILLUMINATION SHALL BE PROVIDED FOR PAVEMENT OR STRUCTURAL CRACK FILLING, JOINT REPAIR, PAVEMENT PATCHING AND REPAIRS, INSTALLATION OF SIGNAL EQUIPMENT OR OTHER ELECTRICAL/MECHANICAL EQUIPMENT, AND OTHER TASKS INVOLVING FINE DETAILS OR INTRICATE PARTS AND EQUIPMENT.

N8. ALL LIGHTING SHALL BE DESIGNED, INSTALLED, AND OPERATED TO AVOID GLARE THAT AFFECTS TRAFFIC ON THE ROADWAY OR THAT CAUSES ANNOYANCE OR DISCOMFORT FOR RESIDENCES ADJOINING THE ROADWAY.

N9. PRIOR TO THE START OF NIGHTTIME OPERATIONS, A WRITTEN NIGHTTIME OPERATIONS AND LIGHTING PLAN IS REQUIRED FOR APPROVAL FROM THE DOT ENGINEER.

N10. SEE STANDARD SPECIFICATIONS §619 FOR ADDITIONAL REQUIREMENTS AND CONSIDERATIONS. REFER TO SECTION 619-3.19B FOR BALLOON LIGHTING REQUIREMENTS.

N11. FLAGGERS SHALL USE A FLASHLIGHT WITH RED GLOW CONE/RED LED BATON FOR FLAGGING IN NON-ILLUMINATED FLAGGER STATIONS DURING NIGHTTIME OPERATIONS.

NEW YORK STATE OF OPPORTUNITY. Department of Transportation

U.S. CUSTOMARY STANDARD SHEET

WORK ZONE TRAFFIC CONTROL
GENERAL NOTES
(SHEET 2 OF 2)

ERRATA 1 eff. 09/01/23 ISSUED WITH EB 23-016	APPROVED DECEMBER 21, 2022	ISSUED UNDER EI 22-033
	Robert Limoges	619-010
	ROBERT LIMOGES, P.E. DIRECTOR, OTSM	

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Proposed Multi-Family

4774 & 4780 Sheridan Drive
Amherst, NY

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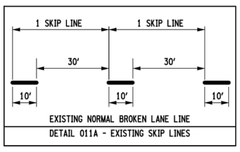
WORK ZONE TRAFFIC CONTROL LEGEND	
SYMBOL	DESCRIPTION
	ARROW PANEL
	ARROW PANEL, CAUTION MODE
	ARROW PANEL TRAILER OR SUPPORT
	CHANGEABLE MESSAGE SIGN (PVMS)
	CHANNELIZING DEVICE
	CONE
	CRASH CUSHION/TEMPORARY IMPACT ATTENUATOR
	DIRECTION OF TEMPORARY TRAFFIC DETOUR
	DIRECTION OF TRAFFIC
	AUTOMATED FLAGGER ASSISTANCE DEVICE WITH OPERATOR
	FLAGGER
	FLAG TREE
	LUMINAIRE
	MOWER
	PARKWAY GRASS SHOULDER
	PAVEMENT MARKINGS THAT SHALL BE REMOVED FOR A LONG TERM PROJECT
PVMS	PORTABLE VARIABLE MESSAGE SIGN
	ORANGE FLAGS (MIN. 18" X 18")
	TRAILER FOR ARROW PANEL OR PORTABLE VARIABLE MESSAGE SIGN (PVMS)

WORK ZONE TRAFFIC CONTROL LEGEND	
SYMBOL	DESCRIPTION
	SIGN, TEMPORARY
	SPOTTER
	TEMPORARY POSITIVE BARRIER
	TEMPORARY POSITIVE BARRIER WITH WARNING LIGHTS
	TEMPORARY TRAFFIC SIGNAL HEAD
	TYPE III BARRICADE
	WARNING LIGHTS
	WORK AREA
	WORK VEHICLE
	WORK VEHICLE (MULCHING/HERBICIDE OPERATION)
	WORK VEHICLE (PAVEMENT MARKING)
	WORK VEHICLE (SIGNAL WORK)
PV	PROTECTIVE VEHICLE
PVL	PROTECTIVE VEHICLE LIGHT
PVH	PROTECTIVE VEHICLE HEAVY
	TRUCK/TRAILER MOUNTED IMPACT ATTENUATOR (TMIA)



EXISTING NORMAL BROKEN LANE LINE

DETAIL 011A - EXISTING SKIP LINES

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NEW YORK STATE OF OPPORTUNITY. **Department of Transportation**

U.S. CUSTOMARY STANDARD SHEET

WORK ZONE TRAFFIC CONTROL
GENERAL TABLES AND LEGEND
(SHEET 1 OF 2)

ERRATA 2 EFF. 09/01/23 ISSUED WITH EB 23-016	APPROVED DECEMBER 21, 2022	ISSUED UNDER EI 22-033
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TABLE 011-01: PROTECTIVE VEHICLE REQUIREMENTS [A,B]

CLOSURE TYPE	DURATION	MOBILE OPERATION AND STOP & GO				SHORT DURATION OPERATION				SHORT TERM OPERATION				INTERMEDIATE TERM OPERATION				LONG TERM OPERATION			
	ROAD TYPE & SPEED	FREEWAY	NON-FREEWAY			FREEWAY	NON-FREEWAY			FREEWAY	NON-FREEWAY			FREEWAY	NON-FREEWAY			FREEWAY	NON-FREEWAY		
			≥ 45 MPH	35 - 40 MPH	≤ 30 MPH		≥ 45 MPH	35 - 40 MPH	≤ 30 MPH		≥ 45 MPH	35 - 40 MPH	≤ 30 MPH		≥ 45 MPH	35 - 40 MPH	≤ 30 MPH		≥ 45 MPH	35 - 40 MPH	≤ 30 MPH
	EXPOSURE CONDITIONS (SEE NOTE 1)																				
LANE CLOSURE OR ENCROACHMENT	WORKERS ON FOOT OR WORK VEHICLE EXPOSED TO TRAFFIC	PVH+TMIA	PVH+TMIA	PVL+TMIA	PVL	PVH+TMIA	PVH+TMIA	PVL+TMIA	PVL	PVH+TMIA	PVH+TMIA	PVL+TMIA	PVL	PVH+TMIA	PVH+TMIA	PVL+TMIA	SEE NOTE 2	PVH+TMIA	PVH+TMIA	PVL+TMIA	SEE NOTE 2
	-NO WORKERS ON FOOT -NO WORK VEHICLE EXPOSED TO TRAFFIC -OTHER HAZARDS EXPOSED (IE EQUIPMENT, MATERIALS)					PVH+TMIA	PVH+TMIA	PVL	PVL	PVH+TMIA	PVH+TMIA	PVL	SEE NOTE 2	PVH+TMIA	PVH+TMIA	SEE NOTE 2	SEE NOTE 2	PVH+TMIA	PVH+TMIA	SEE NOTE 2	SEE NOTE 2
SHOULDER CLOSURE OR ENCROACHMENT	WORKERS ON FOOT OR WORK VEHICLE EXPOSED TO TRAFFIC	PVH+TMIA	PVH+TMIA	PVL+TMIA	PVL	PVH+TMIA	PVH+TMIA	PVL	PVL	PVH+TMIA	PVH+TMIA	PVL	PVL	PVH+TMIA	PVH+TMIA	SEE NOTE 2	SEE NOTE 2	PVH+TMIA	PVH+TMIA	SEE NOTE 2	SEE NOTE 2
	-NO WORKERS ON FOOT -NO WORK VEHICLE EXPOSED TO TRAFFIC -OTHER HAZARDS EXPOSED (IE EQUIPMENT, MATERIALS, EXCAVATION)					PVH+TMIA	PVH+TMIA	PVL	PVL	PVH+TMIA	PVH+TMIA	PVL	SEE NOTE 2	PVH+TMIA	SEE NOTE 3	SEE NOTE 2	SEE NOTE 2	PVH+TMIA	SEE NOTE 3	SEE NOTE 2	SEE NOTE 2

LEGEND
PVL - PROTECTIVE VEHICLE LIGHT (MINIMUM GROSS WEIGHT 9,500 LBS. OR GREATER) (SEE NOTE 5)
PVH - PROTECTIVE VEHICLE HEAVY (MINIMUM GROSS WEIGHT 22,000 LBS. OR GREATER)
TMIA - TRUCK/TRAILER MOUNTED IMPACT ATTENUATOR

A. THESE PROTECTIVE VEHICLE REQUIREMENTS ARE NOT APPLICABLE TO PAVING AND MILLING OPERATIONS. A STANDARD BUFFER SPACE SHALL BE PROVIDED FOR THESE OPERATIONS IN ACCORDANCE WITH TABLE 011-03.

B. THESE PROTECTIVE VEHICLE REQUIREMENTS ARE NOT APPLICABLE TO FLAGGING OPERATIONS. PROTECTIVE VEHICLES WITH APPROPRIATE ROLL AHEAD DISTANCE MAY BE USED IN ADVANCE OF THE WORK AREA IF DEEMED NECESSARY BY THE DOT ENGINEER AND THEIR DESIGNEE.

NOTES
1. THE EXPOSURE CONDITIONS ASSUME THERE IS NO POSITIVE PROTECTION PRESENT.
2. EITHER A PROTECTIVE LIGHT (PVL) OR THE STANDARD BUFFER SPACE (SEE TABLE 011-03 SHALL BE PROVIDED.
3. EITHER A PROTECTIVE VEHICLE HEAVY (PVH) OR THE STANDARD BUFFER SPACE (SEE TABLE 011-03) SHALL BE PROVIDED.
4. TRUCK/TRAILER MOUNTED IMPACT ATTENUATORS (TMIA) SHALL NOT BE MOUNTED/INSTALLED ON VEHICLES WITH A GROSS VEHICLE WEIGHT (GVW) LESS THAN WHAT IS MINIMALLY REQUIRED BY THE MANUFACTURER OF THE TMIA.
5. THE USE OF A PROTECTIVE VEHICLE LIGHT (PVL) AS A SHADOW VEHICLE IS LIMITED TO NON-FREEWAY ROADWAYS WHERE THE POSTED SPEED LIMITS IS ≤ 40 MPH UNLESS OTHERWISE AUTHORIZED BY THE ENGINEER.

TABLE 011-02: TAPER LENGTHS & NUMBER OF CONES CHART

PRECONSTRUCTION POSTED SPEED LIMIT (MPH)	TAPER LENGTH: (FT.)/ * OF SKIP LINES/ * OF CHANNELIZING DEVICES — LATERAL SHIFT OF TRAFFIC FLOW PATH (FT.)									SHOULDER TAPER LENGTH: (FT.)/ * OF SKIP LINES/ * OF CHANNELIZING DEVICES — FOR SHOULDER WIDTH						
	4	5	6	7	8	9	10	11	12	≤ 4 FT.	5 - 7 FT.	8 FT.	9 FT.	10 FT.	11 FT.	12 FT.
25	40/1/2	80/2/3	80/2/3	80/2/3	80/2/3	120/3/4	120/3/4	120/3/4	120/3/4	40/1/2	40/1/2	40/1/2	40/1/2	40/1/2	40/1/2	40/1/2
30	80/2/3	80/2/3	80/2/3	120/3/4	120/3/4	160/4/5	160/4/5	160/4/5	200/5/6	40/1/2	40/1/2	40/1/2	40/1/2	80/2/3	80/2/3	80/2/3
35	80/2/3	120/3/4	120/3/4	160/4/5	160/4/5	200/5/6	200/5/6	240/6/7	240/6/7	40/1/2	40/1/2	80/2/3	80/2/3	80/2/3	80/2/3	80/2/3
40	120/3/4	160/4/5	160/4/5	200/5/6	240/6/7	240/6/7	280/7/8	320/8/9	320/8/9	40/1/2	80/2/3	80/2/3	80/2/3	120/3/4	120/3/4	120/3/4
45	200/5/6	240/6/7	280/7/8	320/8/9	360/9/10	400/10/11	440/11/12	520/13/14	560/14/15	80/2/3	80/2/3	120/3/4	120/3/4	120/3/4	120/3/4	160/4/5
50	200/5/6	240/6/7	320/8/9	360/9/10	400/10/11	440/11/12	520/13/14	560/14/15	600/15/16	80/2/3	120/3/4	160/4/5	160/4/5	160/4/5	160/4/5	160/4/5
55	240/6/7	280/7/8	320/8/9	400/10/11	440/11/12	520/13/14	560/14/15	600/15/16	680/17/18	80/2/3	120/3/4	160/4/5	160/4/5	160/4/5	200/5/6	200/5/6
60	240/6/7	320/8/9	360/9/10	440/11/12	480/12/13	560/14/15	600/15/16	680/17/18	720/18/19	80/2/3	120/3/4	160/4/5	200/5/6	200/5/6	240/6/7	240/6/7
65	280/7/8	320/8/9	400/10/11	480/12/13	520/13/14	600/15/16	640/16/17	720/18/19	800/19/20	80/2/3	160/4/5	200/5/6	240/6/7	240/6/7	280/7/8	280/7/8

* THIS TABLE WAS CREATED WITH REFERENCE TO MUTCD TABLE 6H-4.
** THE NUMBER OF CHANNELIZING DEVICES SHOWN IS CALCULATED BASED ON A 40FT DEVICE SPACING. THE NUMBER OF CHANNELIZING DEVICES CAN BE ADJUSTED AS NECESSARY.

TABLE 011-03 LONGITUDINAL BUFFER SPACE

PRECONSTRUCTION POSTED SPEED LIMIT (MPH)	DISTANCE (FT.)/ * OF SKIP LINES
25	155 / 4
30	200 / 5
35	250 / 6
40	305 / 8
45	360 / 9
50	425 / 11
55	495 / 13
65	645 / 16

* THIS TABLE IS THE SAME AS MUTCD TABLE 6C-2.

TABLE 011-04: ROLL AHEAD DISTANCE FOR PROTECTIVE VEHICLES

PRECONSTRUCTION POSTED SPEED LIMIT (MPH)	ROLL AHEAD DISTANCE (FT.)/* OF SKIP LINES FOR VEHICLES			
	PROTECTIVE VEHICLES WEIGHING 9,500 TO 21,999 LBS. GVW		PROTECTIVE VEHICLES WEIGHING 22,000 LBS. OR GREATER GVW	
	STATIONARY OPERATION	MOVING OPERATION (15 MPH MAX.)	STATIONARY OPERATION	MOVING OPERATION (15 MPH MAX.)
≥ 60	200/5	240/6	160/4	200/5
45 - 55	160/4	200/5	120/3	160/4
≤ 40	120/3	120/3	80/2	120/3

TABLE 011-05 FLARE RATES FOR POSITIVE BARRIER

TYPE OF POSITIVE BARRIER	POSTED SPEED LIMIT				
	30 MPH	40 MPH	50 MPH	55 MPH	65 MPH
TEMPORARY POSITIVE BARRIER	8:1	11:1	14:1	16:1	20:1
BOX BEAM OR HEAVY POST CORRUGATED BEAM	7:1	9:1	11:1	12:1	15:1

TABLE 011-06 ADVANCE WARNING SIGN SPACING

ROAD TYPE	DISTANCE BETWEEN SIGNS			SIGN LEGEND	
	A (FT.)	B (FT.)	C (FT.)	XX	YY
URBAN (≤ 30 MPH*)	100	100	100	AHEAD	AHEAD
URBAN (35-40 MPH*)	200	200	200	AHEAD	AHEAD
URBAN (≥ 45 MPH*)	350	350	350	1000 FT.	AHEAD
RURAL	500	500	500	1500 FT.	1000 FT.
FREEWAY	1000	1500	2640	1 MILE	½ MILE

* PRECONSTRUCTION POSTED SPEED LIMIT.
** THIS TABLE IS THE SAME AS MUTCD TABLE NY6H-3.

TABLE 011-07 TAPER LENGTH FOR TEMPORARY TRAFFIC CONTROL ZONES

TYPE OF TAPER	TAPER LENGTH (L)
MERGING TAPER	L
SHIFTING TAPER	L/2
SHOULDER TAPER	L/3
ONE-LANE, TWO-WAY TRAFFIC TAPER	50 FT. MIN -100 FT. MAX
DOWNSTREAM TAPER	50 FT. MIN -100 FT. MAX

* THIS TABLE IS THE SAME AS MUTCD TABLE 6C-3.

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U.S. CUSTOMARY STANDARD SHEET

WORK ZONE TRAFFIC CONTROL
GENERAL TABLES AND LEGEND
(SHEET 2 OF 2)

ERRATA 2 EFF. 09/01/23 ISSUED WITH EB 23-016	APPROVED DECEMBER 21, 2022	ISSUED UNDER EI 22-033
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Proposed Multi-Family

4774 & 4780 Sheridan Drive
Amherst, NY

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WORK ZONE TRAFFIC CONTROL SIGN TABLE

SIGN	SIGN DESIGNATION	COLOR CODE	NON-FREEWAY	EXPRESSWAY	FREEWAY
EXIT	E5-1	C	--------	72"X60"	72"X60"
ROAD WORK NEXT 5 MILES	G20-1	A	36"X18"	48"X24"	48"X24"
END ROAD WORK	G20-2	A	36"X18"	48"X24"	48"X24"
PILOT CAR FOLLOW ME	G20-4	A	36"X18"	--------	--------
SIGN	G20-5aP	A	24"X18"	36"X24"	36"X24"
22 22	M1-1	G	1 OR 2 DIGITS 24"X24"	36"X36"	36"X36"
495	M1-1†	G	3 DIGITS 30"X24"	45"X36"	45"X36"
X XX	M1-4	B	1 OR 2 DIGITS 24"X24"	36"X36"	36"X36"
XXX	M1-4†	B	3 DIGITS 30"X24"	45"X36"	45"X36"
NORTH	M3-1	SEE NOTE 3	24"X12"	36"X18"	36"X18"
EAST	M3-2				
SOUTH	M3-3				
WEST	M3-4				
DETOUR	M4-8	A	24"X12"	36"X18"	36"X18"
END DETOUR	M4-8a	A	24"X18"	24"X18"	24"X18"
DETOUR DETOUR DETOUR	M4-9 M4-9L M4-9R	A	30"X24"	48"X36"	48"X36"
DETOUR	M4-9a	A	30"X24"	30"X24"	--------
DETOUR DETOUR	M4-9b	A	30"X24"	30"X24"	--------
XX DETOUR XX DETOUR	M4-9c	A	30"X24"	30"X24"	--------
DETOUR	M4-10L	A	48"X18"	48"X18"	48"X18"
DETOUR	M4-10R				
	M5-1	SEE NOTE 3	21"X15"	30"X21"	30"X21"
	M5-2	SEE NOTE 3	21"X15"	30"X21"	30"X21"
	M6-1	SEE NOTE 3	21"X15"	30"X21"	30"X21"
	M6-2				
	M6-3				
	M6-4				
XX XX	NYM3-1	B	24"X24"	36"X36"	36"X36"
XXX	NYM3-2	B	30"X24"	45"X36"	45"X36"
XXXA	NYM3-3	B	30"X24"	45"X36"	45"X36"

WORK ZONE TRAFFIC CONTROL SIGN TABLE

SIGN	SIGN DESIGNATION	COLOR CODE	NON-FREEWAY	EXPRESSWAY	FREEWAY
LEGISLATIVE LOCATION LICENSE SUSPENDED AFTER TWO WORK ZONE SPEEDING TICKETS	NYR9-11	B	24"X42"	48"X84"	48"X84"
LEGISLATIVE LOCATION FINES DOUBLE FOR SPEEDING IN WORK ZONES	NYR9-12	B	24"X36"	36"X54"	48"X72"
RUMBLE STRIPS	NYW4-17	A	36"X36"	48"X48"	48"X48"
WET PAINT	NYW8-30	A	48"X24"	48"X24"	48"X24"
STAY IN LANE	NYW8-31	A	48"X24"	48"X24"	48"X24"
DO NOT PASS	NYW8-32	A	48"X24"	48"X24"	48"X24"
LANE CLOSED	NYW8-33	A	48"X24"	48"X24"	48"X24"
STOP	R1-1	D	36"X36"	36"X36"	48"X48"
	R1-2	E	36"X36"X36"	48"X48"X48"	60"X60"X60"
SPEED XX	R2-1	B	24"X30" OR 30"X36" (SEE NOTE 5)	36"X48"	36"X48"
END RICHER FINES ZONE	R2-11	B	24"X30"	36"X48"	36"X48"
END WORK ZONE SPEED LIMIT	R2-12	B	24"X36"	36"X54"	36"X54"
DO NOT PASS	R4-1	B	24"X30"	36"X48"	36"X48"
	R4-7	B	24"X30"	36"X48"	36"X48"
	R4-7c NARROW	B	18"X30"	--------	--------
	R4-8	B	24"X30"	36"X48"	36"X48"
	R4-8c NARROW	B	18"X30"	--------	--------
STAY IN LANE	R4-9	B	24"X30"	36"X48"	36"X48"
ROAD CLOSED THRU TRAFFIC	R5-1	E	36"X36"	36"X36"	48"X48"
	R8-3	E	24"X24"	36"X36"	48"X48"
PEDESTRIAN CROSSWALK	R9-8	B	36"X18"	36"X18"	--------
SIDEWALK CLOSED	R9-9	B	24"X12"	24"X12"	--------
SIDEWALK CLOSED USE OTHER SIDE	R9-10	B	24"X12"	24"X12"	--------
SIDEWALK CLOSED USE OTHER SIDE	R9-10L R9-10R	B	24"X12"	24"X12"	--------
SIDEWALK CLOSED USE OTHER SIDE	R9-11L R9-11R	B	24"X18"	24"X18"	--------
SIDEWALK CLOSED CROSS HERE	R9-11aL R9-11aR	B	24"X12"	24"X12"	--------
STOP WHEN RED	R10-6	B	24"X36"	24"X36"	--------

WORK ZONE TRAFFIC CONTROL SIGN TABLE

SIGN	SIGN DESIGNATION	COLOR CODE	NON-FREEWAY	EXPRESSWAY	FREEWAY
ROAD CLOSED	R11-2	B	48"X30"	48"X30"	48"X30"
BRIDGE CLOSED					
BRIDGE OUT	R11-2 (MOD.)				
ROAD CLOSED XX MILES AHEAD LOCAL TRAFFIC ONLY	R11-3a	B	60"X30"	60"X30"	-------
	W1-4L W1-4R	A	36"X36"	48"X48"	48"X48"
	W1-4bL W1-4bR	A	36"X36"	48"X48"	48"X48"
	W1-4cL W1-4cR	A	36"X36"	48"X48"	48"X48"
	W1-6L	A	48"X24"	60"X30"	60"X30"
	W1-6R	A			
	W1-8L	A (NO BORDER)	18"X24"	30"X36"	30"X36"
	W1-8R	A (NO BORDER)			
	W3-1	A[4]	36"X36"	48"X48"	48"X48"
	W3-2	A[4]	36"X36"	48"X48"	48"X48"
	W3-3	A[4]	36"X36"	48"X48"	48"X48"
REDUCED SPEED XX MPH	W3-4	A	36"X36"	48"X48"	48"X48"
55	W3-5	A[4]	36"X36"	48"X48"	48"X48"
	W4-1L W4-1R	A	36"X36"	48"X48"	48"X48"
	W4-2L W4-2R	A	36"X36"	48"X48"	48"X48"

WORK ZONE TRAFFIC CONTROL SIGN TABLE

SIGN	SIGN DESIGNATION	COLOR CODE	NON-FREEWAY	EXPRESSWAY	FREEWAY
TRAFFIC AHEAD	NYW23-1	A	36"X36"	48"X48"	48"X48"
WORK ZONE	G20-5aP	6F,12	24"X18"	36"X24"	36"X24"
EXIT OPEN	E5-2	6F,28	48"X36"	48"X36"	48"X36"
EXIT CLOSED	E5-2a	6F,28	48"X36"	48"X36"	48"X36"

COLOR CODE LEGEND

CODE	DESCRIPTION
A	BLACK LEGEND AND BORDER ON AN ORANGE BACKGROUND
B	BLACK LEGEND AND BORDER ON A WHITE BACKGROUND
C	WHITE LEGEND AND BORDER ON A GREEN BACKGROUND
D	WHITE LEGEND AND BORDER ON A RED BACKGROUND
E	RED LEGEND AND BORDER ON A WHITE BACKGROUND
F	BLACK LEGEND AND BORDER ON A FLOURESCENT YELLOW GREEN BACKGROUND
G	WHITE LEGEND AND BORDER ON A BLUE AND RED BACKGROUND

NOTES:

1. DIMENSIONS ARE SHOWN AS WIDTH X HEIGHT.
2. FOR SIGNAGE NOT SHOWN ON THESE TABLES REFER TO THE M.U.T.C.D.
3. COLORS FOR DIRECTION PLAQUES, ADVANCE TURN ARROWS, AND DIRECTIONAL ARROWS SHALL MATCH THE ROUTE OR INTERSTATE SIGN THAT THEY SUPPLEMENT AS PER THE M.U.T.C.D.
4. MULTICOLORED SYMBOL IMPOSED ON SIGN WITH BLACK LEGEND AND BORDER ON AN ORANGE BACKGROUND.
5. FOR R2-1 SIGN LARGER DIMENSIONS SHALL BE USED WHEN SIGN FACES MULTIPLE LANES ON A CONVENTIONAL ROAD.

NEW YORK STATE OF OPPORTUNITY. Department of Transportation

U.S. CUSTOMARY STANDARD SHEET

WORK ZONE TRAFFIC CONTROL SIGN TABLE (SHEET 1 OF 3)

APPROVED DECEMBER 2, 2021	ISSUED UNDER EI 21-028
Robert Limoges ROBERT LIMOGES, P.E. DIRECTOR, OTSM	619-012

FILE NAME = 619-M12-2.dgn
DATE/TIME = 27-FEB-2024 13:31
USER = akurgi

WORK ZONE TRAFFIC CONTROL SIGN TABLE

SIGN	SIGN DESIGNATION	COLOR CODE	NON-FREEWAY	EXPRESSWAY	FREEWAY
ROAD NARROWS	W5-1	A	36"X36"	48"X48"	48"X48"
LANE NARROWS	W5-4	A	36"X36"	48"X48"	48"X48"
	W6-3	A	36"X36"	48"X48"	48"X48"
XX MPH	W7-3aP	A	24"X18"	36"X30"	36"X30"
BUMP	W8-1	A	36"X36"	48"X48"	48"X48"
PAVEMENT ENDS	W8-3	A	36"X36"	48"X48"	48"X48"
LOOSE GRAVEL	W8-7	A	36"X36"	48"X48"	48"X48"
ROUGH ROAD	W8-8	A	36"X36"	48"X48"	48"X48"
LOW SHOULDER	W8-9	A	36"X36"	48"X48"	48"X48"
NO CENTER LINE	W8-12	A	36"X36"	--------	--------
FALLING ROCK	W8-14	A	36"X36"	48"X48"	48"X48"
GROOVED PAVEMENT	W8-15	A	36"X36"	48"X48"	48"X48"
	W8-17	A	36"X36"	48"X48"	48"X48"
SHOULDER DROP-OFF	W8-17p	A	24"X18"	30"X24"	30"X24"
NO SHOULDER	W8-23	A	36"X36"	48"X48"	48"X48"
ROAD NARROWS	W8-24	A	36"X36"	48"X48"	48"X48"
LANES MERGE	W9-3	A	36"X36"	48"X48"	48"X48"
	W11-1L* W11-1R	A OR F	36"X36"	36"X36"	--------
	W11-2L* W11-2R	F	36"X36"	36"X36"	--------
	W11-15L* W11-15R	F	36"X36"	36"X36"	--------
IN LANE	NYW5-32P*	A	24"X18"	24"X18"	--------

WORK ZONE TRAFFIC CONTROL SIGN TABLE

SIGN	SIGN DESIGNATION	COLOR CODE	NON-FREEWAY	EXPRESSWAY	FREEWAY
XX MPH	W13-1P	A	24"X24"	30"X30"	30"X30"
ON RAMP	W13-4	A	36"X36"	36"X36"	36"X36"
NO PASSING ZONE	W13-4P	A	48"X48"X36"	--------	--------
FOOT FEET	W16-2P	A	24"X18"	30"X24"	--------
AHEAD 500 FT	W16-4P	SEE NOTE 3 A OR F	30"X24"	--------	--------
	W16-5PL W16-5PR	A	24"X18"	--------	--------
	W16-7PL W16-7PR	SEE NOTE 3 A OR F	24"X12"	30"X18"	--------
AHEAD	W16-9P	SEE NOTE 3 A OR F	24"X12"	30"X18"	--------
ROAD WORK AHEAD RIGHT LANE CLOSED XX FT AHEAD LEFT LANE CLOSED XX MILE	W20-1	A	36"X36"	48"X48"	48"X48"
DETOUR AHEAD DETOUR XXX FT DETOUR X MILE	W20-2	A	36"X36"	48"X48"	48"X48"
ROAD CLOSED AHEAD LOCAL TRAFFIC ONLY ROAD CLOSED X MILE	W20-3	A	36"X36"	48"X48"	48"X48"
ONE LANE ROAD AHEAD TWO WAY TRAFFIC ONE LANE ROAD AHEAD	W20-4	A	36"X36"	48"X48"	48"X48"
LEFT LANE CLOSED AHEAD LEFT LANE CLOSED XXX FT LEFT LANE CLOSED AHEAD LEFT LANE CLOSED XXX FT RIGHT LANE CLOSED AHEAD RIGHT LANE CLOSED XXX FT RIGHT LANE CLOSED AHEAD RIGHT LANE CLOSED XXX FT	W20-5	A	36"X36"	48"X48"	48"X48"
2 LEFT LANES CLOSED AHEAD 2 LEFT LANES CLOSED XXX FT 2 LEFT LANES CLOSED AHEAD 2 LEFT LANES CLOSED X MILE 2 RIGHT LANES CLOSED AHEAD 2 RIGHT LANES CLOSED XXX FT 2 RIGHT LANES CLOSED AHEAD 2 RIGHT LANES CLOSED X MILE	W20-5a	A	36"X36"	48"X48"	48"X48"
	W20-7	A	36"X36"	48"X48"	48"X48"

WORK ZONE TRAFFIC CONTROL SIGN TABLE

SIGN	SIGN DESIGNATION	COLOR CODE	NON-FREEWAY	EXPRESSWAY	FREEWAY
	W21-1	A	36"X36"	48"X48"	48"X48"
SLOW MOVING VEHICLE	W21-4	A	36"X18"	48"X24"	48"X24"
SHOULDER WORK	W21-5	A	36"X36"	48"X48"	48"X48"
LEFT SHOULDER CLOSED XXX FT RIGHT SHOULDER CLOSED XXX FT	W21-5aL W21-5aR	A	36"X36"	48"X48"	48"X48"
LEFT SHOULDER CLOSED AHEAD LEFT SHOULDER CLOSED X MILE RIGHT SHOULDER CLOSED AHEAD RIGHT SHOULDER CLOSED X MILE	W21-5bL W21-5bR	A	36"X36"	48"X48"	48"X48"
WORKERS AHEAD	W21-8	A	36"X36"	48"X48"	48"X48"
FLAGGING MAY BE REQUIRED FLAGGING ZONE FLAGGING ZONE	W22-1	A	36"X36"	48"X48"	48"X48"
TURN OFF 2-WAY RADIO AND CELL PHONE	W22-2	A	42"X36"	42"X36"	42"X36"
END BLASTING ZONE	W22-3	A	42"X36"	42"X36"	42"X36"
SLOW TRAFFIC AHEAD	W23-1	A	48"X24"	48"X24"	48"X24"
NEW TRAFFIC PATTERN AHEAD	W23-2	A	36"X36"	48"X48"	48"X48"

COLOR CODE LEGEND

CODE	DESCRIPTION
A	BLACK LEGEND AND BORDER ON AN ORANGE BACKGROUND
B	BLACK LEGEND AND BORDER ON A WHITE BACKGROUND
C	WHITE LEGEND AND BORDER ON A GREEN BACKGROUND
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NOTES:

1. DIMENSIONS ARE SHOWN AS WIDTH X HEIGHT.
2. FOR SIGNAGE NOT SHOWN ON THESE TABLES REFER TO THE M.U.T.C.D.
3. WHEN USED IN CONJUNCTION WITH A BICYCLE SIGN (W11-1) OR PEDESTRIAN CROSSING (W11-2) COLOR CODE SHALL MATCH.

* A FLOURESCENT YELLOW-GREEN BACKGROUND COLOR SHALL BE USED FOR THIS SIGN PLAQUE.

ERRATA 1 EFF. 05/01/24
ISSUED WITH EB 24-007

NEW YORK STATE OF OPPORTUNITY. Department of Transportation

U.S. CUSTOMARY STANDARD SHEET

WORK ZONE TRAFFIC CONTROL SIGN TABLE (SHEET 2 OF 3)

APPROVED DECEMBER 2, 2021	ISSUED UNDER EI 21-028
Robert Limoges ROBERT LIMOGES, P.E. DIRECTOR, OTSM	619-012

Project No: 23-4091

M-104

DRAWING NO.

DRAWING NAME: NYSDOT Standard Sheets

Date:
Submitted By:
Season:

4/22
P.S. No
As No

REVISIONS:

No.	Description	Date
1	Added per DOT comments	11/1/24

Proposed Multi-Family

4774 & 4780 Sheridan Drive
Amherst, NY

CARMINAWOOD DESIGN
Buffalo | Utica | Greensboro

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WORK ZONE TRAFFIC CONTROL SIGN TABLE					
SIGN	SIGN DESIGNATION	COLOR CODE	NON-FREEWAY	EXPRESSWAY	FREEWAY
	W24-1L W24-1R	A	36"X36"	48"X48"	48"X48"
	W24-1aL W24-1aR	A	36"X36"	48"X48"	48"X48"
	W24-1bL W24-1bR	A	36"X36"	48"X48"	48"X48"

WORK ZONE TRAFFIC CONTROL SIGN TABLE					
SIGN	SIGN DESIGNATION	COLOR CODE	NON-FREEWAY	EXPRESSWAY	FREEWAY
	R2-1	B	24"X30" OR 30"X36" (SEE NOTE 3)	36"X48"	36"X48"
	NYR2-2	B	24"X30" OR 30"X36" (SEE NOTE 3)	36"X48"	36"X48"
	NYR2-3	B	24"X30" OR 30"X36" (SEE NOTE 3)	36"X48"	36"X48"
	NYR2-4	B	24"X30" OR 30"X36" (SEE NOTE 3)	36"X48"	36"X48"
	NYR2-5	B	24"X30" OR 30"X36" (SEE NOTE 3)	36"X48"	36"X48"
	NYR2-6	B	24"X30" OR 30"X36" (SEE NOTE 3)	36"X48"	36"X48"

COLOR CODE LEGEND	
CODE	DESCRIPTION
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B	BLACK LEGEND AND BORDER ON A WHITE BACKGROUND
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3. FOR R2-1 SIGN LARGER DIMENSIONS SHALL BE USED WHEN SIGN FACES MULTIPLE LANES ON A CONVENTIONAL ROAD.

FILE NAME = 619-#02-3.dgn
DATE/TIME = 27-FEB-2024 15:32
USER = akurtaj

ERRATA 1 EFF. 05/01/24
ISSUED WITH EB 24-007

NEW YORK STATE OF OPPORTUNITY. **Department of Transportation**

U.S. CUSTOMARY STANDARD SHEET

WORK ZONE TRAFFIC CONTROL
SIGN TABLE
(SHEET 3 OF 3)

APPROVED DECEMBER 2, 2021	ISSUED UNDER EI 21-028
Robert Limoges ROBERT LIMOGES, P.E. DIRECTOR, OTSM	619-012

Project No: 23-4091

DRAWING NO. M-105

Date: 4/22
Scale: As No
Drawn By: P. S.

DRAWING NAME: NYSDOT Standard Sheets

REVISIONS:

No.	Description	Date
1	Added per DOT comments	11/1/24

Proposed Multi-Family

4774 & 4780 Sheridan Drive
Amherst, NY

CARMINAWOOD DESIGN
Buffalo | Utica | Greensboro

TOWN OF AMHERST
PLANNING BOARD
PRELIMINARY PLAT RESOLUTION
SUB-2025-01_PP

PETITIONER

4780 Sheridan Drive, LLC
c/o Sean Hopkins, Esq.
5500 Main Street, Suite 343
Williamsville, NY 14221

PROPERTY LOCATION

4774-4780 Sheridan Drive

JUL 3 2025 AM

WHEREAS the Town of Amherst Planning Board on Thursday, June 26, 2025 held a public hearing on a Preliminary Plat for 23-sublot subdivision of 5.03 acres for 11 two-unit residential structures "Juniper Court", located at 4774-4780 Sheridan Drive, and

WHEREAS the Planning Board has reviewed plans and specifications for the proposed Subdivision, 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 consistent with the intent, objectives and specific requirements of the Zoning Ordinance.

2. Adequate services and utilities are or will be available prior to occupancy.

3. The Subdivision is consistent with all other applicable laws.

4. Pursuant to Local Law #3-82, as amended, the Planning Board has determined that the requirements of SEQR are complete, a Negative Declaration has been issued, and that the subject proposal is not expected to have a significant adverse effect on the environment.

5. Review by the US Army Corps of Engineers under Section 404 of the Clean Water Act may be waived since hydric/ potentially hydric soils have not been identified on the parcel.

NOW THEREFORE BE IT RESOLVED that the Planning Board in accordance with Chapter 204, Part 4, Section 7A grants waivers to §204-3-2-4 A(7)(e) of Town Code waiving requirements for: to §204-3-2-4(l) which requires property lines going to center of street, sidewalks on both sides of street, planting strips on both sides of street, and to §204-3-2-4G which requires upright curbs, and

NOW THEREFORE BE IT FURTHER RESOLVED that the Planning Board, in accordance with Section 8-7 of the Zoning Ordinance and Part III of the Subdivision Regulations approves said Subdivision subject to the follow condition(s):

Attachment: SUB-2025-01PP signed resolution 062625 (30513 : SP-2024-05_A (Aka SUB-2025-01_PP), 4780 Sheridan Drive)

TOWN OF AMHERST
PLANNING BOARD
PRELIMINARY PLAT RESOLUTION
SUB-2025-01_PP

PETITIONER

4780 Sheridan Drive, LLC

PROPERTY LOCATION

4774-4780 Sheridan Drive

JUL 3 2025 AM

1. That the comments raised in the Town of Amherst Building Department (Plumbing Division) letter dated April 8, 2025 are addressed to the satisfaction of that department prior to submittal of a final plat.

2. That the comments raised in the Town of Amherst Engineering Department (Sanitary) letter dated May 6, 2025 are addressed to the satisfaction of that department prior to submittal of a final plat.

3. That the comments raised in the Town of Amherst Engineering Department - Engineering Services Division's letter dated May 6, 2025 are addressed to the satisfaction of that department prior to submittal of a final plat.

4. That the comments raised in the Town of Amherst Planning Department letter dated June 12, 2025 are addressed to the satisfaction of that department prior to submittal of a final plat.

5. That the comments raised in the NYS Department of Transportation review received April 7, 2025 are addressed to the satisfaction of that agency.

6. That the subdivision name and proposed street name be approved prior to submittal of a final plat.

7. That an address plan for the subdivision is approved prior to issuance of any building permits for homes within the subdivision.

NOW THEREFORE BE IT FURTHER RESOLVED that Juniper Court be classified as a private street and that sidewalks are required on the west side, 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 associated lighting district is not required for the proposed subdivision.

NOW THEREFORE BE IT FURTHER RESOLVED that recreation and open space fees are 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, June 26, 2025; moved by Davis; seconded by O'Rourke; ayes 5; noes 0; absent 2 (Kahn, Raffaele).

Attachment: SUB-2025-01PP signed resolution 062625 (30513 : SP-2024-05_A (Aka SUB-2025-01_PP), 4780 Sheridan Drive)

TOWN OF AMHERST
PLANNING BOARD
PRELIMINARY PLAT RESOLUTION
SUB-2025-01_PP

PETITIONER

4780 Sheridan Drive, LLC

PROPERTY LOCATION

4774-4780 Sheridan Drive

JUL 3 2025 AM9

Michael J. Chmiel, Planning Board Chair

7/2/25
Date

GP/ac
X:\Current_Planning\Files\Site Plans\2024\SP-2024-05_A_(4774-4780_Sheridan_Dr)_2025\SP-2024-05_A_PP_resolution_062625.doc

cc: Commissioner of Building
Town Engineer
Highway Superintendent
Fire Chiefs Council
ECDEP
Sean Hopkins, 35 California Drive, Suite 100, Williamsville, NY 14221
Patrick Sheedy, Jr., Carmina Wood Design, 80 Silo City Row, Buffalo, NY 14203

Approved Plan: Carmina Wood Design
Received: May 9, 2025

Attachment: SUB-2025-01PP signed resolution 062625 (30513 : SP-2024-05_A (Aka SUB-2025-01_PP), 4780 Sheridan Drive)

Amherst Planning Board
5583 Main Street
Williamsville, NY 14221

Meeting: 06/26/25 06:30 PM
Department: Planning
Category: Rezoning and Relief from Conditions of Rezoning
Prepared By: Amy Carrato
Initiator: Dan Howard
Sponsors:
DOC ID: 30465 A

ADOPTED

PLANNING BOARD ITEM (ID # 30465)

Request to Rezone 1.41± Acres of Land from NB to GB, Z-2025-02

Property located at 2577 Millersport Highway
Bevilacqua Development, Petitioner

To allow the petitioner to redevelop an existing vacant commercial restaurant building into a quick-service drive-through.

Jeffery Palumbo, Esq., Block. Longo, LaMarca & Brezinski, , represented the petitioner, explained the proposal and was available to answer questions from the Board.

In response to the Board's questions, Mr. Palumbo stated this may be a coffee shop, he is hesitant to agree to buffering/set back conditions due to the unknown use of the site, the concept plan is for the original tenant and regardless of the tenant the site will have a drive-thru.

Melissa Semidey Finley, Esq., representing the neighbors of the site spoke in opposition to the proposal.

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

Following discussion, Ms. Penberthy moved to approve with a condition that the proposed easterly green space be presented in perpetuity. The motion was seconded by Mr. Davis and carried. Ayes 4, Noes 1 (Gill), Absent 2 (Kahn, Raffaele).

ATTACHMENTS:

- Z-2025-01 application & drawings 062625 (PDF)
- Z-2025-02 signed resolution 062625 (PDF)

RESULT:	**APPROVED [4 TO 1]**
MOVER:	Brittany Lee Penberthy, Board Member
SECONDER:	John B. Davis, Board Member
AYES:	Michael Chmiel, John B. Davis, Brittany Lee Penberthy, Jonathan O'Rourke
NAYS:	Harbinder Gill
ABSENT:	Carrie H. Kahn, Joseph P. Raffaele Jr.

TOWN OF AMHERST PLANNING DEPARTMENT

Application for Rezoning

For Official Use

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

Address Verified by Assessor's Office _____ VERIFIED BY DATE

Application Received by Planning Department _____ ACCEPTED BY DATE

Materials Checked by Zoning Enforcement Officer _____ CHECKED BY DATE

Materials & Fee Paid to Town Clerk _____ ACCEPTED BY DATE

		Fill In Applicable Fees
2 ACRES OR LESS	**$1,250.**	_____
2 – 20 ACRES **$1,250 + $250/acre or fraction thereof over 2 acres** (fractions of an acre to be counted as 1 acre)		_____
21 – 30 ACRES **$5,700 + $150/acre or fraction thereof over 21 acres** (fractions of an acre to be counted as 1 acre)		_____
OVER 30 ACRES **$6,900 +$75/acre or fraction thereof over 30 acres** (fractions of an acre to be counted as 1 acre)		_____
Request for Relief of / Change to Conditions of Zoning Approval	**$1,200.**	_____
AFFIDAVIT FEE FOR PUBLIC HEARING	**$15.**	_____
	TOTAL FEE:	**$** _____

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: Z-2025-01 application & drawings 062625 (30465 : Z-2025-02, 2577 Millersport Hwy.)

TO BE COMPLETED BY APPLICANT

1. **Petitioner:**

Name: Jeffery D. Palumbo, Esq. for Bevilacqua Development, LP

Address: 9276 Main Street, Suite 3

Clarence (City) NY (State) 14031 (Zip Code)

Phone: (716) 317-0629 Fax (716) 854-0059

E Mail: jpalumbo@blockandlongo.com

2. **The undersigned hereby petitions the Honorable Town Board to rezone the following described property:**

From: Neighborhood Business (NB) District

To: General Business (GB) District

3. **Street address of land to be rezoned:** (must be verified by Town Assessor's Office)

2577 Millersport Hwy, Amherst, NY 14068

SBL #: 41.15-1-18

4. **Area of land to be rezoned** (in acres): 1.41 acres

5. **Owner of Land:**

Name: ANTHONY J SCIOLI III

Address: 115 Golden Pheasant Dr .

Getzville (City) NY (State) 14068 (Zip Code)

Phone: (716) 433-4747

6. **Representative** (Architect, Engineer, Landscape Architect, Surveyor or Attorney):

Name: Jeffery D. Palumbo, Esq.

Address: 9276 Main Street, Suite 3

Clarence (City) NY (State) 14031 (Zip Code)

Phone: (716) 317-0629 Fax

E Mail: jpalumbo@blockandlongo.com

Attachment: Z-2025-01 application & drawings 062625 (30465 : Z-2025-02, 2577 Millersport Hwy.)

7. **Petitioner's interest in property**

X Option to purchase
_____ Owner
_____ Other (explain) _____

8. **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)
Anthony J. Scioli III, landowner

9. **Attach Survey and Legal description of land to be rezoned. The Survey must be prepared by a New York State Licensed Land Surveyor.** See Exhibit A (Survey)

10. **Said property has the following deed restrictions or covenants:** (attach copy)
Liber _____ Page _____

11. **Information on proposed project:**

A. Description of the character of the proposed development:
A modern, quick-service coffee restaurant serving customers in both an indoor cafe area and via a drive-through. The coffee restaurant will utilize the existing building footprint and add a drive-through lane with order board. Significant vegetative screening is planned as a buffer for surrounding properties.

B. Rationale for rezoning request:

1. Why was this site chosen? (1) Prime location on a major thoroughfare (2) Suitability for quick-service coffee with drive-through. The business model depends on the ability to serve customers rapidly during peak morning hours. (3) Consistency with surrounding commercial development with drive-thrus; (4) Existing restaurant use on the site

2. Why cannot land be used with the existing zoning?
Drive-thrus are not permitted in the NB zoning district, despite the site's close proximity to the GB District directly across Millersport Hwy and to another drive-thru at Burger King less than 500 feet away, also located in the NB district.

3. How will this rezoning impact surrounding properties? Positively, as it will provide additional options for amenities to a commercial area and create jobs. Any impacts resulting from the new land use are mitigated by screening and by its similarity to neighboring uses.

4. How will this rezoning impact the school system? Increase tax revenue, no increase in demand on the school system.

Attachment: Z-2025-01 application & drawings 062625 (30465 : Z-2025-02, 2577 Millersport Hwy.)

12. Quantitative Data:

A. Total # of dwelling units: 0

B. Distribution of dwelling units by type: N/A

C. Gross Residential Density per acre: N/A

D. Total amount of Open Space: 0.5 acres +/-

E. Proposed Non-Residential Floor Area: 3,100 sq. ft.

13. Development Schedule:

Start: Q3 2025

Finish: Q4 2025

Stages (# of): 1

14. If any portion of the proposed development is planned to be sold or leased, please describe:

The quick-serve coffee restaurant will be sold or leased to the final operator.

15. Open Space ownership and maintenance provisions (if applicable):

The 30-foot green space buffer on the east end of the parcel, which will be improved with additional landscaping, is required to remain in place by a prior condition of approval.

16. Basis for Findings (Sec. 8-3-5 of the Town Zoning Code) (Attach sheets and supplemental materials as necessary.)

A. **The proposed zoning and development plan must be generally consistent with the policies of the Comprehensive Plan and the Town Zoning Ordinance.**

1. State in detail why the proposed zoning is consistent with the adopted Town of Amherst Bicentennial Comprehensive Plan. Cite specific sections, maps, and/or figures in the Plan that support the proposed zoning at this location (The Comprehensive Plan document is available at the Planning Department, Town Clerk's Office, Amherst libraries, or at www.amherst.ny.us). Add sheets as needed.

Please comprehensive plan consistency statement attached hereto as Exhibit B.

Attachment: Z-2025-01 application & drawings 062625 (30465 : Z-2025-02, 2577 Millersport Hwy.)

2. Pursuant to NYS Town Law Section 272a(11), "All Town land use regulations must be in accordance with a comprehensive plan adopted pursuant to this Section." The Amherst Town Board adopted the Bicentennial Comprehensive Plan pursuant to NYS Town Law 272 on January 2, 2007. If the rezoning is approved, the Town Board may require the Plan to be amended, as applicable.

   Cite all text, maps, or figures that must be amended to support the proposed zoning at this location (attach pages as necessary) and provide detailed suggested amendments.
   None in the Comprehensive Plan. The Zoning Map will need to be amended.

3. State why the proposed zoning is consistent with intent and objectives (Sec. 1-2-2) of the Zoning Ordinance:
   See consistency statement attached hereto as Exhibit B.

B. Adequate Services and Utilities are available or are proposed to be made available with the construction of the development:

1. Sanitary Sewer Available on site.
2. Storm Sewer/Drainage Available on site.
3. Water Available on site.
4. Other

C. Compatibility with the present zoning and conforming uses of nearby property and with the character of the neighborhood:
The proposed zoning and land use are in harmony with the surrounding land commercial uses, several of which also include restaurants and drive-thrus, and in harmony with the GB district directly across Millersport Hwy.

D. Suitability of the subject property for uses permitted by the current versus the proposed district: While previously utilized successfully as a restaurant under the current NB (Neighborhood Business) zoning, operating a competitive quick-service restaurant at this location now requires a drive-through due to market trends, indicating the property's functional suitability aligns better with the uses permitted in the GB district.

E. Whether the proposed change tends to improve the balance of uses, or meets a specific demand in the Town:
The proposed rezoning facilitates the revitalization of this existing commercial property, allowing a use better aligned with evolving commercial market trends along a major thoroughfare. This aligns with the Town's Comprehensive Plan objectives to encourage reinvestment in older commercial corridors and redevelop underutilized properties for economically viable purposes, thereby helping to maintain a strong commercial base. (Section 3.3.2)

Attachment: Z-2025-01 application & drawings 062625 (30465 : Z-2025-02, 2577 Millersport Hwy.)

17. The petitioner encloses herewith the sum of $ 1,265 to pay the fee, and consents to the placement of a sign(s) at the described location identifying this request for a period of time to be determined by the Town Clerk.

18. 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 16 *day of* May, 20 25

Notary Public, Erie County, New York

TRACY A. MURRAY
NOTARY PUBLIC, STATE OF NEW YORK
Registration No. 01MU5077295
Qualified in Genesee County
Commission Expires May 5, 20 27

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.

Attachment: Z-2025-01 application & drawings 062625 (30465 : Z-2025-02, 2577 Millersport Hwy.)

Short Environmental Assessment Form
Part 1 - Project Information

Instructions for Completing

Part 1 – Project Information. The applicant or project sponsor is responsible for the completion of Part 1. 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.

Complete all items in Part 1. You may also provide any additional information which you believe will be needed by or useful to the lead agency; attach additional pages as necessary to supplement any item.

Part 1 – Project and Sponsor Information

Name of Action or Project:
Proposed Drive-Thru

Project Location (describe, and attach a location map):
2577 Millersport Highway [SBL: 41.15-1-18]

Brief Description of Proposed Action:
Proposed rehabilitation of the existing 3,000 sf restaurant building on site to include the installation of a drive-thru with associated site improvements including removal of the rear parking area to accommodate the drive-thru lane.

Name of Applicant or Sponsor:	Telephone: 716-691-7444
Bevilacqua Development, L.P.	E-Mail: jbevilacqua@bdvlp.com

Address:
9332 Transit Road, Suite B

City/PO:	State:	Zip Code:
East Amherst	NY	14051

	NO	YES
1. Does the proposed action only involve the legislative adoption of a plan, local law, ordinance, administrative rule, or regulation? If Yes, attach a narrative description of the intent of the proposed action and the environmental resources that may be affected in the municipality and proceed to Part 2. If no, continue to question 2.	☑	☐
2. Does the proposed action require a permit, approval or funding from any other government Agency? If Yes, list agency(s) name and permit or approval: ECDOH	☐	☑

3. a. Total acreage of the site of the proposed action? 1.4 acres
   b. Total acreage to be physically disturbed? 0.3 acres
   c. Total acreage (project site and any contiguous properties) owned or controlled by the applicant or project sponsor? 1.4 acres

4. Check all land uses that occur on, are adjoining or near the proposed action:

5. ☐ Urban ☐ Rural (non-agriculture) ☐ Industrial ☑ Commercial ☑ Residential (suburban)
   ☐ Forest ☐ Agriculture ☐ Aquatic ☐ Other(Specify):
   ☐ Parkland

Attachment: Z-2025-01 application & drawings 062625 (30465 : Z-2025-02, 2577 Millersport Hwy.)

	NO	YES	N/A
5. Is the proposed action,			
a. A permitted use under the zoning regulations? [a restaurant is a permitted use, a restaurant with drive through is not in the NB zoning district. Refer to variance application]	☐	☑	☐
b. Consistent with the adopted comprehensive plan?	☐	☑	☐

	NO	YES
6. Is the proposed action consistent with the predominant character of the existing built or natural landscape?	☐	☑

	NO	YES
7. Is the site of the proposed action located in, or does it adjoin, a state listed Critical Environmental Area?		
If Yes, identify: _____	☑	☐

	NO	YES
8. a. Will the proposed action result in a substantial increase in traffic above present levels?	☑	☐
b. Are public transportation services available at or near the site of the proposed action?	☑	☐
c. Are any pedestrian accommodations or bicycle routes available on or near the site of the proposed action?	☐	☑

	NO	YES
9. Does the proposed action meet or exceed the state energy code requirements?		
If the proposed action will exceed requirements, describe design features and technologies: _____ _____	☐	☑

	NO	YES
10. Will the proposed action connect to an existing public/private water supply?		
If No, describe method for providing potable water: _____ _____	☐	☑

	NO	YES
11. Will the proposed action connect to existing wastewater utilities?		
If No, describe method for providing wastewater treatment: _____ _____	☐	☑

	NO	YES
12. a. 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?	☑	☐
b. 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?	☐	☑

	NO	YES
13. a. Does any portion of the site of the proposed action, or lands adjoining the proposed action, contain wetlands or other waterbodies regulated by a federal, state or local agency?	☑	☐
b. Would the proposed action physically alter, or encroach into, any existing wetland or waterbody?	☑	☐
If Yes, identify the wetland or waterbody and extent of alterations in square feet or acres: _____ _____ _____		

Attachment: Z-2025-01 application & drawings 062625 (30465 : Z-2025-02, 2577 Millersport Hwy.)

14. Identify the typical habitat types that occur on, or are likely to be found on the project site. Check all that apply:

☐ Shoreline ☐ Forest ☐ Agricultural/grasslands ☐ Early mid-successional
☐ Wetland ☐ Urban ☑ Suburban

	NO	YES
15. Does the site of the proposed action contain any species of animal, or associated habitats, listed by the State or Federal government as threatened or endangered?	☑	☐
16. Is the project site located in the 100-year flood plan?	☑	☐
17. Will the proposed action create storm water discharge, either from point or non-point sources?	☐	☑
If Yes, a. Will storm water discharges flow to adjacent properties?	☑	☐
b. Will storm water discharges be directed to established conveyance systems (runoff and storm drains)?	☐	☑
If Yes, briefly describe: stormwater runonff is conveyed to the existing storm sewer system on site, which ultimately connects to the public storm sewer on Millersport Hwy		
18. Does the proposed action include construction or other activities that would result in the impoundment of water or other liquids (e.g., retention pond, waste lagoon, dam)? If Yes, explain the purpose and size of the impoundment:	☑	☐
19. Has the site of the proposed action or an adjoining property been the location of an active or closed solid waste management facility? If Yes, describe:	☑	☐
20. Has the site of the proposed action or an adjoining property been the subject of remediation (ongoing or completed) for hazardous waste? If Yes, describe:	☑	☐

I CERTIFY THAT THE INFORMATION PROVIDED ABOVE IS TRUE AND ACCURATE TO THE BEST OF MY KNOWLEDGE

Applicant/sponsor/name: Patrick Sheedy Jr, PE - Carmina Wood Design Date: 11/27/24

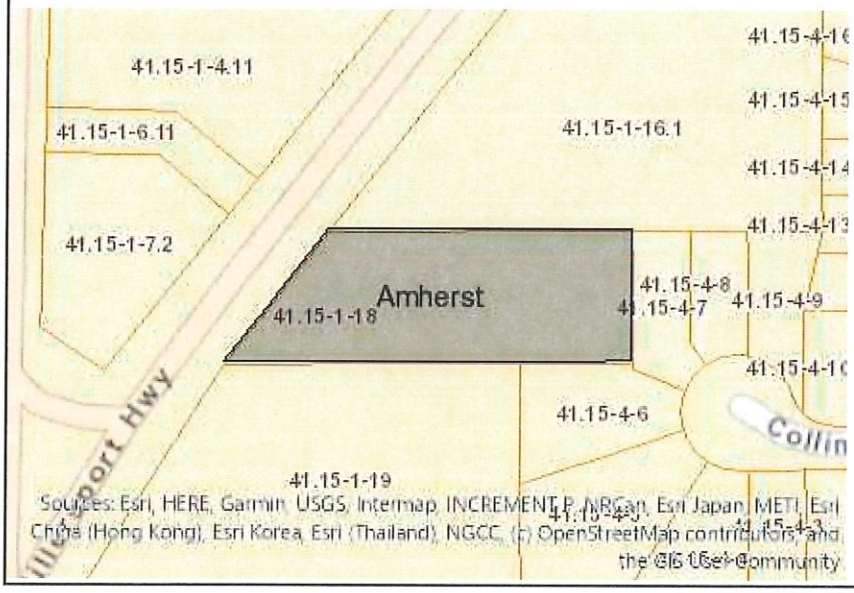
Signature: Title: engineer on behalf of the applicant

PRINT FORM

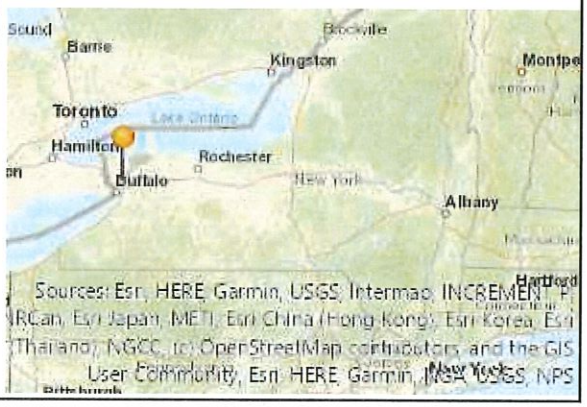
Attachment: Z-2025-01 application & drawings 062625 (30465 : Z-2025-02, 2577 Millersport Hwy.)

EAF Mapper Summary Report

Wednesday, November 27, 2024 12:13 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.



Part 1 / Question 7 [Critical Environmental Area]	No
Part 1 / Question 12a [National or State Register of Historic Places or State Eligible Sites]	No
Part 1 / Question 12b [Archeological Sites]	Yes
Part 1 / Question 13a [Wetlands or Other Regulated Waterbodies]	No
Part 1 / Question 15 [Threatened or Endangered Animal]	No
Part 1 / Question 16 [100 Year Flood Plain]	No
Part 1 / Question 20 [Remediation Site]	No

Attachment: Z-2025-01 application & drawings 062625 (30465 : Z-2025-02, 2577 Millersport Hwy.)

TOWN OF AMHERST ATTACHMENT
State Environmental Quality Review
ENVIRONMENTAL ASSESSMENT FORM

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
Cosad loamy fine sand	✔				

2. If the Soil survey indicates either "severe" or "moderate" suitability for the proposed types of construction, a geotechnical and hydrological analysis based on one test per 3.5 acres of project area must be provided (per Town Board resolution, 3/17/03, amended 6/16/03).

_____ Geotechnical report attached ✔ Not applicable

3. 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.

4. Are there alternative locations on the site for this project? ☐ Yes ☑ No

5. Location and size of real property owned by petitioner within one (1) mile of subject proposal:
1.4 acres [2577 Millersport Hwy]

6. 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.)

7. Maximum number of vehicular trips to be generated per hour upon completion of project 51
Source: ITE trip generation

8. Will blasting occur during construction? ☐ Yes ☑ No

9. Does the project propose to connect and be tributary to the public sanitary sewer system? ☑ Yes ☐ No

10. Proposed net additional gallons per day (gpd) of sanitary sewer discharge upon completion of project:

1,375 average flow 6,050 peak flow.

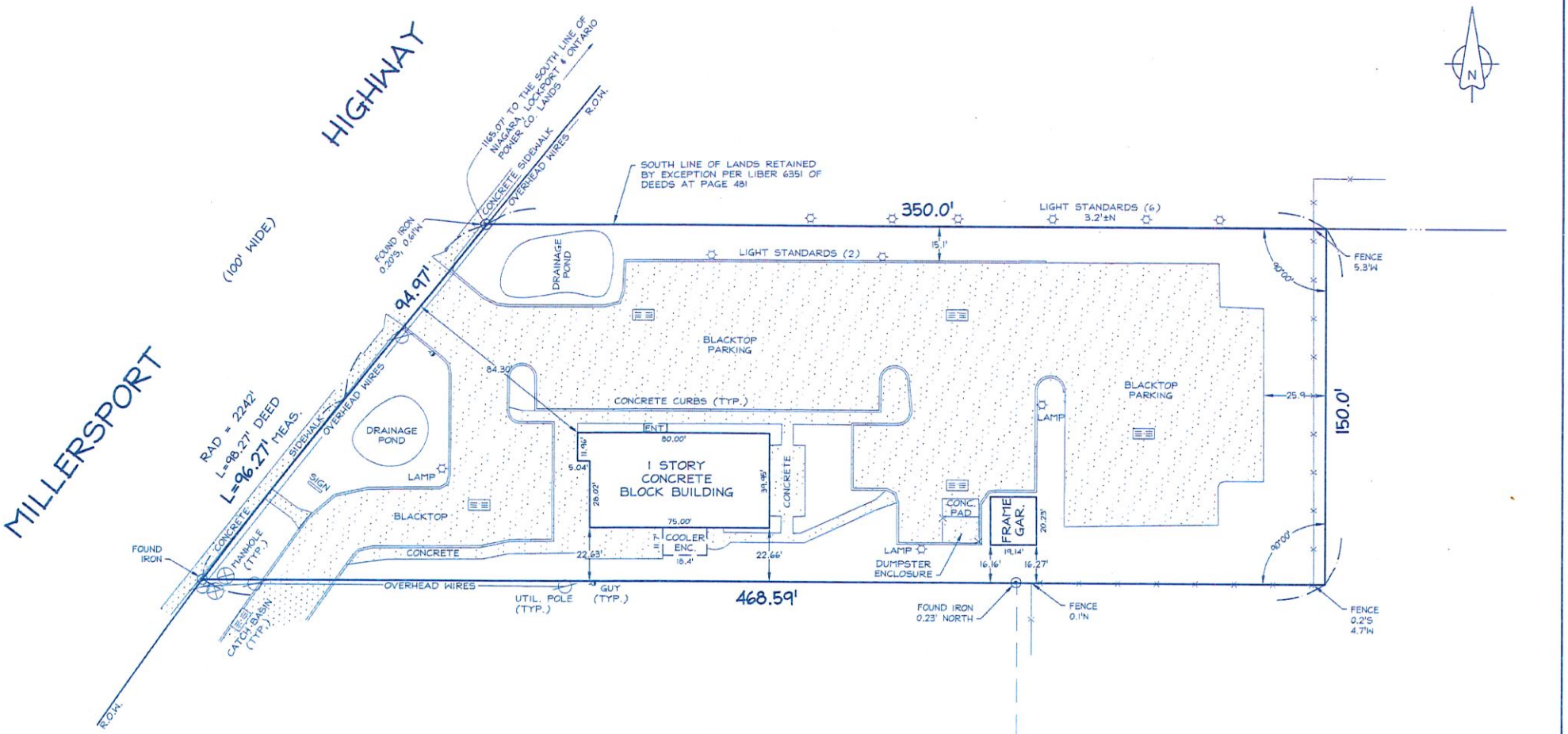
(Please note that average flows of 2,500 gpd or greater will require an Engineer's Report that includes a detailed downstream sewer capacity analysis and the identification of and commitment to required I/I offset work during peak wastewater flow conditions.)

Attachment: Z-2025-01 application & drawings 062625 (30465 : Z-2025-02, 2577 Millersport Hwy.)

Attachment: Z-2025-01 application & drawings 062625 (30465 : Z-2025-02, 2577 Millersport Hwy.)

EXHIBIT A

BOUNDARY SURVEY



84 Sweeney Street, Suite C-13 North Tonawanda, NY 14120
Phone: (716) 692-0800 fax: (716) 389-0491 www.nussclarke.com

NUSSBAUMER & CLARKE, INC.
ENGINEERS AND SURVEYORS
EST. 1933

Successors to the records of James L. Shisler, Land Surveyor

Successors to the records of Graf Land Surveyors

BOUNDARY SURVEY

No. 2577 Millersport Highway
Part of Lot 63, Township 12, Range 7
Holland Land Company's Survey
Town of Amherst
County of Erie, State of New York
Date of Survey: 9/16/20214 SBL No. 41.15-1-18

Project No. : 24J4-0336
Scale: 1" = 40'

John F. Raimondo, P.L.S.

THIS MAP IS NOT VALID WITH AN AFFIDAVIT OF NO CHANGE
NO IRONS SET OR FOUND AT PROPERTY CORNERS UNLESS NOTED HEREON.

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.

Unauthorized alterations or additions to any survey, drawing, design, specification, plan or report is a violation of section 7209, provision 2 of the New York State Education Law.

Attachment: Z-2025-01 application & drawings 062625 (30465 : Z-2025-02, 2577 Millersport Hwy.)

EXHIBIT B

COMPREHENSIVE PLAN & ZONING CONSISTENCY STATEMENT

Block, Longo, LaMarca
& Brzezinski, P.C.
ATTORNEYS | SINCE 1933

9276 Main Street, Ste. 3
Clarence, NY 14031
P (716) 320-3150
F (716) 854-0059

MEMORANDUM

TO: Members of the Amherst Planning Board

FROM: Jeffery D. Palumbo, Esq.

DATE: May 9, 2025

RE: Comprehensive Plan & Zoning Consistency Statement
Rezoning 2577 Millersport Hwy from NB to GB

I. Consistency with the Comprehensive Plan

The proposed rezoning of the property at 2577 Millersport Highway from Neighborhood Business (NB) to General Business (GB) is consistent with the adopted Town of Amherst Bicentennial Comprehensive Plan (the "Plan"). The Plan is intended as a policy guide for managing growth and change, including rezoning requests, and explicitly aims to achieve **revitalized older neighborhoods and commercial corridors** (Section 2.3, Page 2-6) (Section 3.2, Page 3-4) (Section 11.2, Page 11-3). A key objective of the Land Use and Development Element is to **advance the redevelopment and revitalization of underutilized, obsolete, and vacant properties for economically viable uses** (Section 3.2, Policy 3-9, Page 3-16).

The former owner of the facility, previously a Nina's Custard restaurant without a drive-through, has stated in his letter to the ZBA dated March 19, 2025 (attached hereto as **Exhibit 1**), that the property is functionally obsolete as a quick-service restaurant without a drive-through due to market trends. The proposed GB zoning, permitting a quick-service restaurant with a drive-through as of right, aligns with the Plan's intent to enable **reinvestment and economically viable uses** on existing commercial sites (Section 3.2, Policy 3-9, Page 3-16) (Section 11.4, Page 11-9), thereby contributing to the Town's strong commercial base by helping to sustain the nonresidential tax base (Section 5.0, Overview, Page 5-1) (Section 11.4, Page 11-9). Policy 3-15 explicitly states that **rezonings should help implement Comprehensive Plan policies, such as advancing the revitalization of underutilized or obsolescent properties** (Policy 3-9). While the Plan references areas along Millersport Highway, its broader goals for revitalizing commercial corridors (Section 2.3, Page 2-5) (Section 3.2, Page 3-4) and enabling economically viable uses on underutilized properties (Section 3.2, Policy 3-9)

Attachment: Z-2025-01 application & drawings 062625 (30465 : Z-2025-02, 2577 Millersport Hwy.)

support the proposed zoning change at this location on a major commercial suburban thoroughfare to facilitate needed reinvestment (Section 2.3, Page 2-5).

Additionally, Figure 6, the Conceptual Land Use Plan, clearly places the subject parcel's location in a "Commercial / Mixed Use" area. The Plan categorizes commercial areas by "form" (Traditional or Suburban) and "type" (Center or Corridor), recognizing that these areas require different approaches to revitalization and development (Section 3.3.2, Page 3-33) (Section 3.3.2, Page 3-36). The proposed rezoning of 2577 Millersport Highway from NB to GB is consistent with the "suburban" form of commercial development envisioned in the Plan for several reasons.

Millersport Highway, as a major thoroughfare (Source 4), aligns with the description of a "suburban corridor" (Section 3.3.2, Page 3-38) (Section 6.2, Page 6-8) (Section 130) that is often **automobile-oriented** (Section 3.3.2, Page 3-33) (Section 130) and may have **larger parcels connected by higher speed thoroughfares without many walkable connections** (Section 3.3.2, Page 3-34) (Section 90). Moreover, the subject site is part of the "Getzville Plaza" under the Conceptual Land Use Plan (Figure 6-A), which is classified as a "**Suburban Center**." A key objective of the Plan for these Suburban Centers and Corridors is **revitalization through reinvestment, redevelopment, or retrofitting existing buildings/sites** (Section 3.3.2, Page 3-33). The proposed GB zoning allows a quick-service restaurant with a drive-through as of right, which the former owner suggests is a necessary adaptation due to current market trends for the property to be economically viable. This directly supports the Plan's policy to **advance the redevelopment and revitalization of underutilized or obsolescent properties for economically viable uses** (Section 3.2, Policy 3-9) (Section 11.4) within these corridors, contributing to the maintenance of a strong commercial base (Section 5.0, Overview, Page 5-1) (Section 11.4).

Furthermore, the Plan suggests that **"land intensive commercial uses that include automobile-related uses"** should be located within existing centers along arterial and collector highways designated as suburban and commercial corridors (Section 3.3.2, Page 3-43). A quick-service restaurant with a drive-through is an automobile-oriented use, making its location on Millersport Highway, a major suburban arterial in a "Commercial" area (Figure 6) and a "Suburban Center" (Figure 6-A), highly consistent with this guidance. While the Plan does indicate a desire to **reduce future new commercial development** in some areas along Millersport Highway north of North French Road (Section 3.3.2, Page 3-43), the subject property is located south of this area, where the focus is on **reinvestment and revitalization of existing commercial sites** (Section 2.3) (Section 3.2) (Section 11.2). The presence of multiple drive-through facilities nearby (Burger King at 2515 Millersport Hwy and Tim Hortons at 2290 Millersport Hwy) further indicates that this type of facility is consistent with the existing character of this specific suburban commercial corridor segment of Millersport Highway and the Getzville Plaza suburban center.

II. Consistency with the Zoning Ordinance Intent & Objectives (Sec. 1-2-2)

Attachment: Z-2025-01 application & drawings 062625 (30465 : Z-2025-02, 2577 Millersport Hwy.)

The proposed rezoning of the property at 2577 Millersport Highway from NB (Neighborhood Business) to GB (General Business) to allow a quick-service restaurant with a drive-through facility is consistent with the stated "Intent and Objectives" of the Town of Amherst Zoning Code, as outlined in Section 1-2-2.

The purpose of the Zoning Ordinance is to promote the public health, safety, convenience, comfort, prosperity, and general welfare by regulating land use in districts **generally consistent with the policies of the Comprehensive Plan**. Section 1-2-2 lists specific objectives to achieve this purpose.

Several of these objectives are advanced by the proposed rezoning:

- **Objective 1-2-2(A):** "To protect the character and values of residential, institutional and public uses, business, commercial and manufacturing uses and to insure their orderly and beneficial development". The property is located in a commercial area on a major thoroughfare. Rezoning from NB to GB allows a quick-service restaurant with a drive-through as of right. The former owner indicated the property is functionally obsolete as a quick-service restaurant without a drive-through in the current market. Permitting a drive-through is argued to be necessary for the business's economic viability, thereby enabling the "beneficial development" of this commercial property and allowing it to remain competitive within the commercial corridor and contribute to maintaining the Town's strong commercial base. While there is a debate about whether adding a drive-through to an existing restaurant is a change in essential use or an operational modification requiring a use or area variance respectively vs, the rezoning to GB resolves this by permitting the specific type of establishment outright, facilitating its "orderly and beneficial development" within a district where this type of commercial activity is intended.

- **Objective 1-2-2(K):** "To guide the future development of the town so as to bring about the gradual conformity of land, structures and uses generally consistent with the policies of the Comprehensive Plan". The Comprehensive Plan is intended to guide development and decision-making, including rezoning requests. The Plan's policies aim to achieve **revitalized older neighborhoods and commercial corridors** and **advance the redevelopment and revitalization of underutilized, obsolete, and vacant properties for economically viable uses** (Policy 3-9, Page 3-26). The proposed rezoning facilitates the redevelopment of an underutilized, obsolete commercial property into an economically viable use, which is consistent with the Plan's policies for reinvestment and revitalization in commercial corridors. Millersport Highway is recognized as a suburban corridor where **land intensive commercial uses that include automobile-related uses** are appropriate in designated locations. The rezoning enables such an automobile-oriented use on an existing commercial site, aligning future development on this property with the Plan's vision for suburban commercial corridors.

Attachment: Z-2025-01 application & drawings 062625 (30465 : Z-2025-02, 2577 Millersport Hwy.)

- **Objective 1-2-2(L):** "To accomplish the specific intents and goals set forth in the introduction to the respective sections". This refers to the underlying goals of the different zoning districts and Plan elements. By allowing a competitive and economically viable commercial use (restaurant with drive-through) in a commercial district on a major corridor, the rezoning supports the broader goal of maintaining a **strong tax base** and ample economic opportunities, which is a specific intent of the Zoning Ordinance and Comprehensive Plan.

While other Zoning objectives like providing adequate open space, preventing overcrowding, and protecting neighborhood character are also listed, these aspects relate more directly to the specific **site design** and would be addressed during the Site Plan Review process following a rezoning. The rezoning itself, by moving the property to the GB district where a drive-through restaurant is a permitted use, allows the applicant to pursue a project deemed economically necessary and consistent with the type of development envisioned for suburban commercial corridors in the Comprehensive Plan, thereby aligning the property's potential use with the broader intent of the Zoning Code to guide beneficial commercial development consistent with the Plan.

Attachment: Z-2025-01 application & drawings 062625 (30465 : Z-2025-02, 2577 Millersport Hwy.)

EXHIBIT 1

Letter from former Owner of 2577 Millersport Hwy (Nina's Custard)

Attachment: Z-2025-01 application & drawings 062625 (30465 : Z-2025-02, 2577 Millersport Hwy.)

March 19, 2025

Town of Amherst Zoning Board of Appeals
5583 Main Street
Williamsville, New York 14221

Anthony Scioli III.
5780 South Transit Road
Lockport, New York 14094

To Whom it May Concern:

I have owned and operated Nina's Custard at 2577 Millersport Highway since 1990. This past year, we made the difficult decision to close the restaurant due to increasing challenges in competing with modern quick-service establishments that offer drive-thru service. The trend in the food service industry has shifted away from dine-in options for fast-casual restaurants, as many families are often on the go and prefer the convenience of drive-thru service.

Based on my experience, I believe it would be extremely difficult for any operator to successfully run a restaurant at this location without a drive-thru facility. Several competing businesses in the immediate vicinity have drive-thru service, putting this property at a disadvantage. Looking back, I regret not incorporating a drive-thru when I originally built the restaurant, as it would have allowed us to remain competitive with newer establishments along Millersport Highway.

The property has ample green space and a substantial buffer from nearby residential areas. Additionally, the traffic impact of a drive-thru would be minimal compared to the approximately 18,000 vehicles that already travel along Millersport Highway daily. Without the ability to add a drive-thru, the building's functional use will likely become obsolete.

For these reasons, I respectfully request that you consider this letter in support of a variance to allow a drive-thru facility at this location.

Sincerely,

Anthony Scioli III

Anthony Scioli III.

Attachment: Z-2025-01 application & drawings 062625 (30465 : Z-2025-02, 2577 Millersport Hwy.)

Attachment: Z-2025-01 application & drawings 062625 (30465 : Z-2025-02, 2577 Millersport Hwy.)

EXHIBIT C

DRAFT LOCAL LAW

LOCAL LAW NO. _____-201

TOWN OF AMHERST
COUNTY OF ERIE, STATE OF NEW YORK

A LOCAL LAW AMENDING CHAPTER 203 OF THE TOWN OF AMHERST CODE, KNOWN AS THE ZONING ORDINANCE, TO REZONE 2577 MILLERSPORT HWY, AMHERST, NY 14068 FROM NB TO GB AND TO AMEND THE ZONING MAP ACCORDINGLY.

Be it enacted by the Town Board of the Town of Amherst as follows:

Section 1. Title.

This Local Law shall be referred to as, "A Local Law Amending Chapter 203 of Town of Amherst Code, Known As The Zoning Ordinance, to Rezone 2577 MILLERSPORT HWY, AMHERST, NY 14068 from NB to GB zoning and Amend The Zoning Map Accordingly."

Section 2. Legislative Findings and Intent.

The Town Board of the Town of Amherst finds that an application to rezone 2577 MILLERSPORT HWY, AMHERST, NY 14068 from NB to GB zoning has been filed and is in proper order. The Town Board further finds that the rezoning is consistent with the Comprehensive Plan.

Section 3. Amherst Zoning Map.

The Town Board hereby amends its zoning map which is incorporated by reference in the Town zoning code by amending from NB to GB the zoning of _____, **subject to any conditions imposed by the authorizing resolution;** legally described as follows:

Section 4. Validity.

This Local Law is adopted under the authority granted to the Town Board of the Town of Amherst pursuant to §§10(1)(ii)(a)(12), 20 and 27 of the Municipal Home Rule Law and §265 of the Town Law of the State of New York.

Attachment: Z-2025-01 application & drawings 062625 (30465 : Z-2025-02, 2577 Millersport Hwy.)

The invalidity of any provision of this Local Law shall not affect the validity of any other provision of this Local Law that can be given effect without such invalid provision.

Section 5. Effective Date.

This Local Law shall take effect immediately when it is filed in the Office of the Secretary of State in accordance with Section 27 of the Municipal Home Rule Law and published pursuant to Sections 130 & 133 of the Town Law and Chapter 28 of the Code of the Town of Amherst.

Francina Spoth
Town Clerk
Town of
Amherst
County of Erie, State of New York

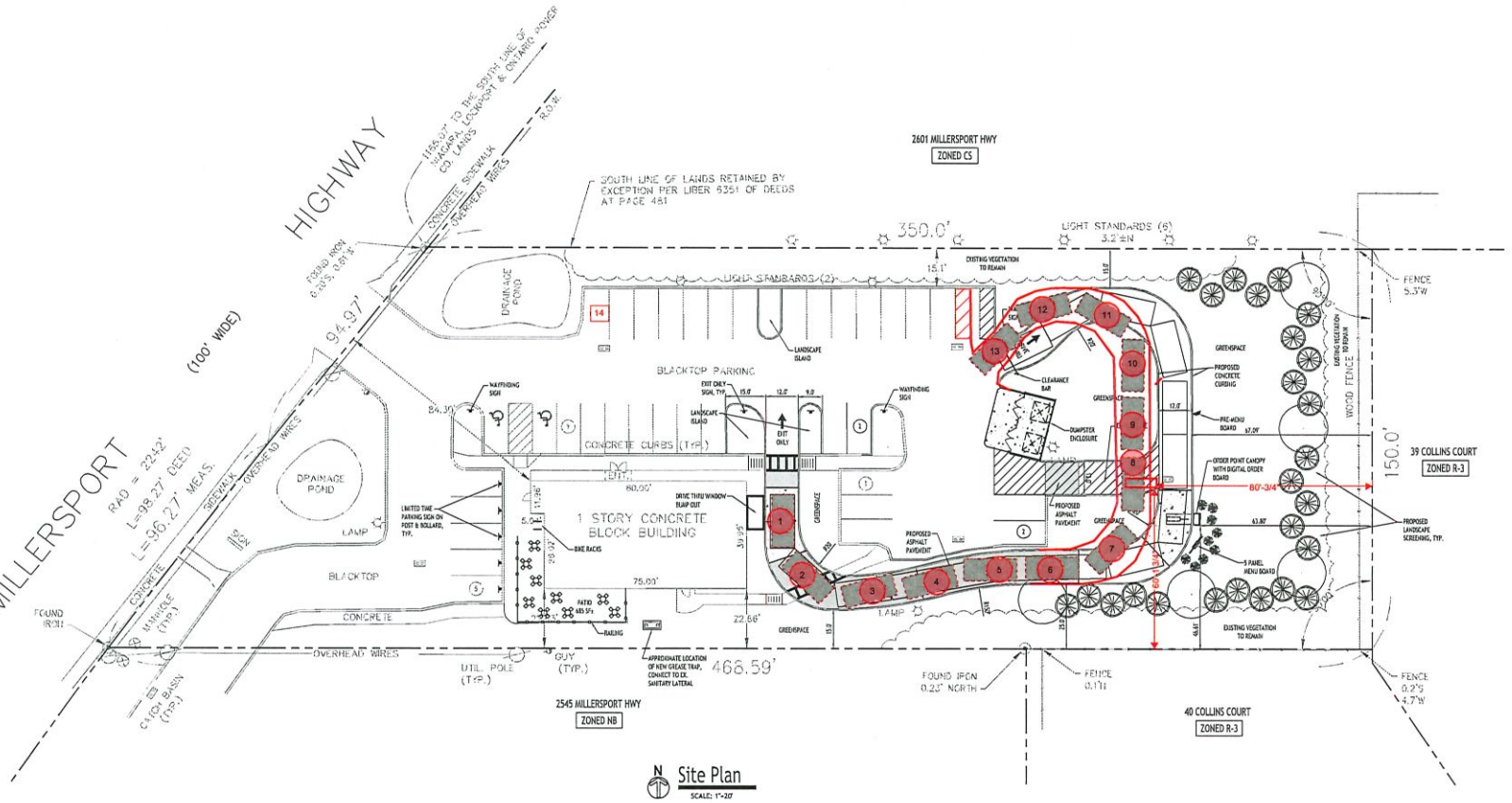
X:\Current_Planning\Files\Rezonings\Fonns\Local Law (Master).doc

Attachment: Z-2025-01 application & drawings 062625 (30465 : Z-2025-02, 2577 Millersport Hwy.)

Attachment: Z-2025-01 application & drawings 062625 (30465 : Z-2025-02, 2577 Millersport Hwy.)

EXHIBIT D

SITE DRAWINGS
(SUBJECT TO SITE PLAN APPROVAL AFTER REZONING)



N Site Plan
SCALE: 1"=20'

Site Data

SITE AREA = 1.4 ACs
ZONED: NB (NEIGHBORHOOD BUSINESS DISTRICT)
USE: PROPOSED DRIVE-THRU RESTAURANT

SETBACKS - BUILDING	REQUIRED	PROVIDED
FRONT	20 FT.	84.30 FT. MIN. (EX.)
FRONT (FROM ℄ OF MILLERSPORT HWY)	115 FT.	134.30 FT. MIN. (EX.)
SIDE (ABUT. RES./ NON-RES.)	15 FT. / 0 FT.	22.63 FT. MIN. (EX.)
REAR (ABUT. RES./ NON-RES.)	30 FT. / 15 FT.	> 30 FT. (EX.)
SETBACKS - PARKING		
FRONT	20 FT.	> 20 FT.
SIDE (ABUT. RES./ NON-RES.)	25 FT. / 15 FT.	15.0 FT. MIN.
REAR (ABUT. RES./ NON-RES.)	25 FT. / 15 FT.	> 25 FT.
TOTAL VEHICLE SPACES	34	36
DRIVE THRU STACKING	10	15
LOCATION OF SPEAKER FROM RES.	100 FT.	46.61 FT. *
GREENSPACE		
INTERIOR PARKING GREENSPACE:	5% (0.025 AC)	> 15%
OVERALL:	N/A	> 50%

*VARIANCE REQUIRED

PARKING CALCULATION (per Section 203-7-1-6A)

RESTAURANT
1 space per 3 seats = 51 seats / 3 = 19 spaces
1 space per 100 sf customer area = 1,500 sf / 100 = 15 spaces

TOTAL REQ'D = 19 + 15 = 34 SPACES REQ'D

SITE LEGEND
PROPERTY LINE
PROPOSED SIDEWALK / CONCRETE PAD
NUMBER OF PARKING SPACES
PROPOSED SIGN
PROPOSED STANDARD DUTY ASPHALT PAVEMENT
PROPOSED LIGHT POLE

NOTE: BOUNDARY AND TOPOGRAPHIC INFORMATION PROVIDED BY OTHERS. CARMINA WOOD DESIGN ASSUMES NO RESPONSIBILITY FOR ITS ACCURACY.

20 0 20 40ft.

LATEST PROPOSED DRIVE-THROUGH LAYOUT
(SUBJECT TO SITE PLAN APPROVAL AFTER REZONING)

All Rights Reserved. Reuse of these documents without the expressed written permission of CARMINA WOOD DESIGN is prohibited. WARNING: It is a violation of article 145 section 7209 and 7210 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. Pursuant to Section 7209, 2 of said law, any alteration shall bear the seal, signature, and distinctive stamp of the licensee.

© CARMINA WOOD DESIGN

CARMINAWOOD DESIGN
Buffalo | Utica | Greensboro

Proposed Drive-Thru
2577 Millersport Hwy
Amherst, NY

REVISIONS:		
No.	Description	Date
1	Rev. per Town comments	2/7/25

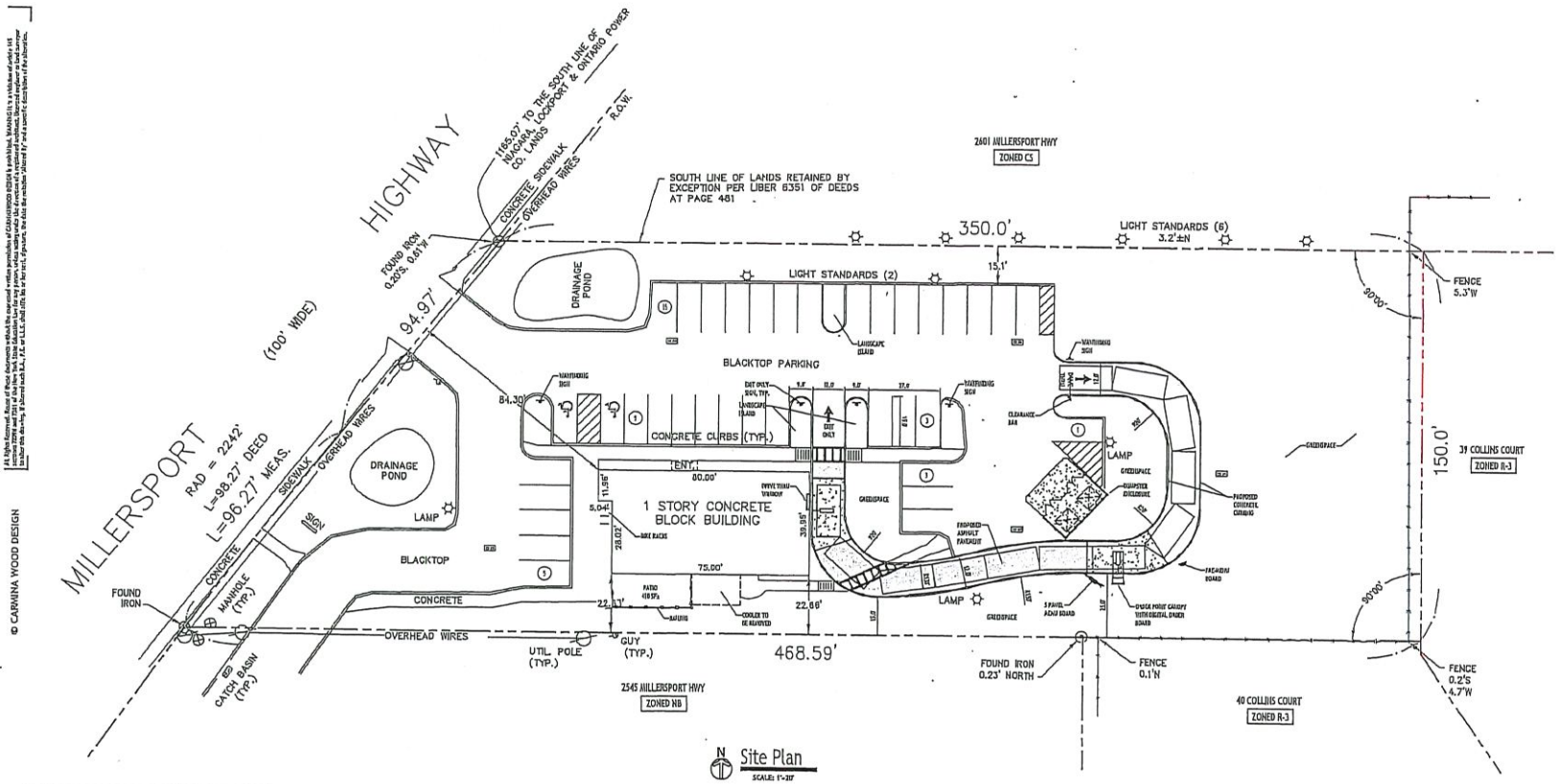
PRELIMINARY
NOT FOR CONSTRUCTION

DRAWING NAME:
Site Plan
Concept

Date: 1/26/25
Drawn By: P. Sheedy
Scale: As Noted

DRAWING NO.
C-100

Project No: 24-4xxx



© CARMINA WOOD DESIGN

Site Data		
SITE AREA = 1.4 AC±		
ZONED: NB (NEIGHBORHOOD BUSINESS DISTRICT)		
USE: PROPOSED DRIVE-THRU RESTAURANT		
SETBACKS - BUILDING	REQUIRED	PROVIDED
FRONT	30 FT.	84.30 FT. (EX.)
FRONT (FROM R.O.W. OF MILLERSPORT HWY)	115 FT.	131.30 FT. ±(E. (EX.)
SIDE (AGGT, MIN./ MIN+MIN.)	15 FT. / 40 FT.	22.88 FT. ±(E. (EX.)
REAR (AGGT, MIN./ MIN+MIN.)	30 FT. / 65 FT.	> 30 FT. (EX.)
SETBACKS - PARKING		
FRONT	10 FT.	> 10 FT.
SIDE (AGGT, MIN./ MIN+MIN.)	25 FT. / 15 FT.	25.0 FT. ±(N.
REAR (AGGT, MIN./ MIN+MIN.)	25 FT. / 15 FT.	> 15 FT.
TOTAL VEHICLE SPACES	x	36
STACKING SPACES	10	12
GREENSPACE		
INTERIOR/PARKING GREENSPACE:	5% (1,813 SQ)	16.1% (5,840 SQ)
OVERALL:	10%	51.4% (18,72 SQ)

PARKING CALCULATION (per Section 203-7-144)

RESTAURANT

1 space per 3 seats = ## seats / 3 = # spaces

1 space per 100 sf customer area = ## sf / 100 = ## spaces

TOTAL REQD = # + # = # SPACES REQD

SITE LEGEND

NOTE: BOUNDARY AND TOPOGRAPHIC INFORMATION PROVIDED BY OTHERS, CARMINA WOOD DESIGN ASSUMES NO RESPONSIBILITY FOR ITS ACCURACY.

CARMINA WOOD DESIGN
Buffalo | Utica | Greensboro

REVISIONS:
No. Description Date

PRELIM
NOT FOR CONSTRUCTION

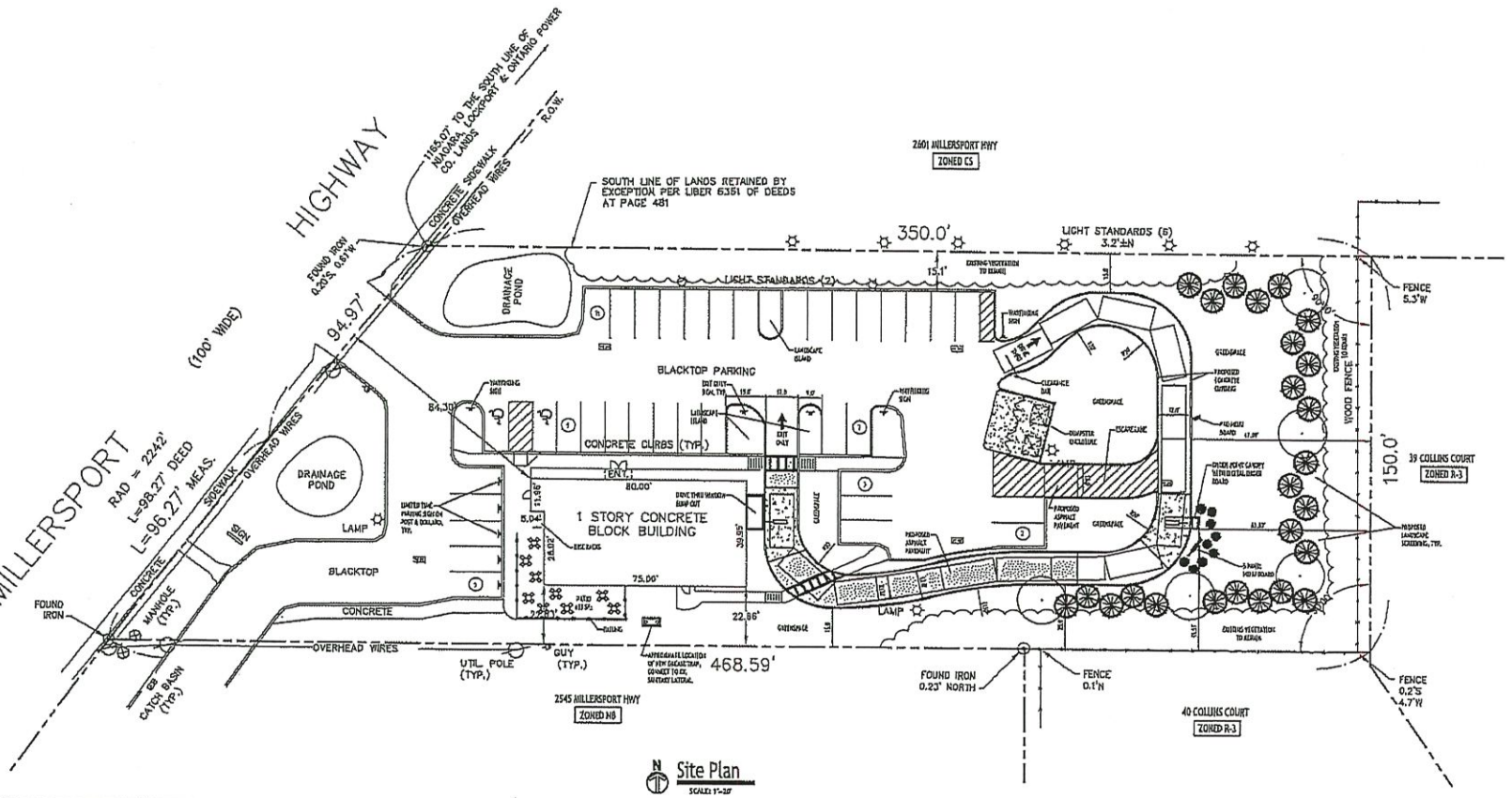
DRAWING NAME:
Site Plan
Concept

Date: 11/
Drawn By: M. Sh
Scale: As h

DRAWING NO.
C-100

Project No: 24-4000

ORIGINAL SITE PLAN



Site Plan
SCALE: 1"=20'

Site Data		
LOT AREA = 1.4 AC±		
ZONED: NB (NEIGHBORHOOD BUSINESS DISTRICT)		
USE: PROPOSED DRIVE-THRU RESTAURANT		
SETBACKS - BUILDING	REQUIRED	PROVIDED
FRONT	20 FT.	94.30 FT. NO. (ST.)
FRONT (FROM C/L OF MILLERSPORT HWY)	100 FT.	131.30 FT. ±NO. (ST.)
SIDE (MAIN, RES. / NONRES.)	15 FT. / 10 FT.	22.83 FT. NO. (ST.)
REAR (MAIN, RES. / NONRES.)	30 FT. / 15 FT.	± 70 FT. (ST.)
SETBACKS - PARKING		
FRONT	20 FT.	± 10 FT.
SIDE (MAIN, RES. / NONRES.)	25 FT. / 15 FT.	13.83 FT. ±NO.
REAR (MAIN, RES. / NONRES.)	25 FT. / 15 FT.	± 25 FT.
TOTAL VEHICLE SPACES	14	15
DRIVE-THRU STACKING	10	15
LOCATION OF SPEAKER/MENU BD.	100 FT.	46.83 FT. *
COVERAGE		
BUILDING, PARKING, DRIVEWAYS	75 (3,822 SF)	± 55
GREENS	N/A	± 30

*VARIANCE REQUIRED

PARKING CALCULATION (per Section 203-3-3-4A)

RESTAURANT
1 space per 3 seats = 33 seats / 3 = 11 spaces
1 space per 100 sf customer area = 1,500 sf / 100 = 15 spaces

TOTAL (15.0 + 11 = 26) 14 SPACES PROVIDED

REVISED SITE PLAN

SITE LEGEND

NOTE: BOUNDARY AND TOPOGRAPHIC INFORMATION PROVIDED BY OTHERS. CARMINA WOOD DESIGN ASSUMES NO RESPONSIBILITY FOR ITS ACCURACY.

1" 20' 0 10 20 40'

CARMINA WOOD DESIGN

Proposed Drive-Thru
2577 Millersport Hwy
Amherst, NY

Revisions:
No. Description Date
1 Rev. per Town comments 2/27/25

PRELIMINARY NOT FOR CONSTRUCTION

DRAWING NAME:
Site Plan Concept

Date:
Drawn By:
Scale:
DRAWING NO.
C-1
Project No:

© CARMINA WOOD DESIGN

Attachment: Z-2025-01 application & drawings 062625 (30465 : Z-2025-02, 2577 Millersport Hwy.)

EXHIBIT E

LEGAL DESCRIPTION

LEGAL 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 No. 63, Township 12, Range 7 of the Holland Land Company's Survey, bounded and described as follows:

BEGINNING at a point in the southeasterly line of Millersport Highway which is 1165.07 feet southwesterly from the south line of the Niagara, Lockport and Ontario Power Company's lands, said point of beginning also being the point of intersection of the south line of lands retained by Milherst Nurseries, Inc., by exception in a deed recorded in the Erie County Clerk's Office in Liber 6351 of Deeds at Page 481; running thence easterly along the said south line of lands retained by Milherst Nurseries, Inc., 350 feet; running thence southerly at right angles, 150 feet; running thence westerly at right angles, 468.59 feet to the southeasterly line of Millersport Highway; running thence northeasterly along the southeasterly line of Millersport Highway, 98.27 feet to a point of curve, and continuing along said southeasterly line of Millersport Highway, 94.97 feet to the point or place of beginning.

Attachment: Z-2025-01 application & drawings 062625 (30465 : Z-2025-02, 2577 Millersport Hwy.)

TOWN OF AMHERST
PLANNING BOARD
ZONING RESOLUTION
Z-2025-02

PETITIONER

Bevilacqua Development
c/o Jeffery Palumbo, Esq.
Block, Longo, LaMarca & Brzezinski, P.C.
9276 Main Street, Suite 3
Clarence, NY 14031

PROPERTY LOCATION

2577 Millersport Highway

JUL 3 2025 AM

WHEREAS the Town of Amherst Planning Board on Thursday, June 26, 2025 held a public hearing on the proposed rezoning of land from Neighborhood Business District (NB) to General Business District (GB), and

WHEREAS the Planning Board has reviewed plans and other materials regarding the rezoning proposal, and

WHEREAS the materials and plans have been referred to the Town's various review agencies, and

WHEREAS in accordance with Section 8-3-5 of the Zoning Ordinance the Planning Board finds that:

A. The proposed zoning and development plan is generally consistent with the policies of the Comprehensive Plan and the Zoning Ordinance.

B. There are adequate services and utilities available or proposed to be made available in the construction of the development.

C. The proposal is compatible with the present zoning and conforming uses of nearby property and with the character of the neighborhood.

D. The subject property is suitable for uses permitted by the current versus the proposed district.

E. The proposed change does tend to improve the balance of uses, or meets a specific demand in the Town.

F. Review by the US Army Corps of Engineers under Section 404 of the Clean Water Act may be waived because the parcel is developed.

WHEREAS pursuant to Local Law #3-82, as amended, the Planning Board recommends that the Town Board determine that the requirements of SEQR are complete and that the subject proposal is not expected to have a significant adverse effect on the environment.

Attachment: Z-2025-02 signed resolution 062625 (30465 : Z-2025-02, 2577 Millersport Hwy.) 1

TOWN OF AMHERST
PLANNING BOARD
ZONING RESOLUTION
Z-2025-02

PETITIONER

Bevilacqua Development

PROPERTY LOCATION

2577 Millersport Highway

JUL 3 2025 AM 4

NOW THEREFORE BE IT RESOLVED that the Planning Board recommends to the Town Board in accordance with Section 8-3-4 of the Zoning Ordinance, that the rezoning request be approved, subject to the easterly proposed green space remaining as a greenspace buffer in perpetuity.

The foregoing resolution was adopted by the Town of Amherst Planning Board, June 26, 2025; moved by Penberthy; seconded by Davis; ayes 4; noes 1 (Gill); absent 2 (Kahn, Raffaele).

Michael J. Chmiel, Planning Board Chair

7/2/25
Date

Attachment: Z-2025-02 signed resolution 062625 (30465 : Z-2025-02, 2577 Millersport Hwy.)

DU/ac
X:\Current_Planning\Files\Rezonings\2025\Z-2025-02_(2577_Millersport_Hwy)_2025\Z-2025-02_resolution_06262025.doc
cc: Town Clerk
Commissioner of Building
Highway Superintendent
Town Engineer
Traffic/Safety Coordinator
Jeffery Palumbo, Block, Longo, LaMarca & Brzezinski, 9276 Main Street, Suite 3, Clarence, NY 14031

Amherst Planning Board
5583 Main Street
Williamsville, NY 14221

Meeting: 06/26/25 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: 30464

ADOPTED

PLANNING BOARD ITEM (ID # 30464)

Request for Extension of Site Plan Approval for a Proposed Office Building, SP-1992-44_K

Property located at 2420-2430 N. Forest Road (NCD)
Benderson Development Company LLC, Petitioner

ATTACHMENTS:

- SP-1992-44_K application 062625 (PDF)
- SP-1992-44_K drawings 062625 (PDF)
- SP-1992-44K signed resolution 062625 (PDF)

RESULT:	**APPROVED [UNANIMOUS]**
MOVER:	Jonathan O'Rourke, Board Member
SECONDER:	John B. Davis, Board Member
AYES:	Chmiel, Davis, Gill, Penberthy, O'Rourke
ABSENT:	Carrie H. Kahn, Joseph P. Raffaele Jr.

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	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:	$450.00

To Be Completed By Applicant

Petitioner:

Name: Benderson Development Company, LLC

Address: 570 Delaware Avenue

Buffalo , New York 14202

city state zip code

Phone: 716-878-9626 Fax: _____

E Mail: jmb@benderson.com

Attachment: SP-1992-44_K application 062625 (30464 : SP-1992_44_K, 2420-2430 N. Forest Rd. (NCD))

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

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

Name: James A. Boglioli

Address: 570 Delaware Avenue

Buffalo , New York 14202
city state zip code

Phone: 716-878-9626 Fax:

E Mail: jmb@benderson.com

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

Address: 2420 - 2430 North Forest Road

SBL No(s): 41.03-1-15.1

Project Name: Site plan approval extension

Project Description: Site plan approval extension request

Attachment: SP-1992-44_K application 062625 (30464 : SP-1992_44_K, 2420-2430 N. Forest Rd. (NCD))

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):

Please see the attached letter of intent

Gross Floor Area (non-residential):	N/A existing	N/A proposed	N/A total
Gross Floor Area Residential:	N/A existing	N/A proposed	N/A total
Number of Residential Units:	N/A existing	N/A proposed	N/A total
Number of Parking Spaces:	N/A existing	N/A proposed	N/A total

Acreage of Parcel: 5.78+/-

(list each parcel separately)

Frontage on Public Roads: 472 L.F. along John James Audubon
65 L.F. along North Forest

(list each road separately)

Existing Zoning District(s) NCD-GC

Attachment: SP-1992-44_K application 062625 (30464 : SP-1992_44_K, 2420-2430 N. Forest Rd. (NCD))

BENDERSON DEVELOPMENT
570 DELAWARE AVENUE
BUFFALO, NY 14202
716.886.0211.P 716.886.2269.F

May 14, 2025

VIA HAND DELIVERY
Michael J. Chmiel, Esq., Chairman
Members of the Planning Board
Town of Amherst
5583 Main Street
Williamsville, NY 14221

RE: Request for Extension of Site Plan Approval Granted on May 18, 2023
Proposed Site Redevelopment
2420-2430 North Forest Road, Amherst, NY (BDP # 5155)

Dear Chairman Chmiel and Members of the Planning Board:

On May 18, 2023, the Planning Board granted site plan approval for the parcel located at 2420-2430 North Forest Road (the "Project Site"). The Project Site is approximately 5.78-Acres and is located at the Northwest corner of John James Audubon and North Forest Road. The parcel consists of two existing office buildings along with an associated parking lot. The parcel is zoned general commercial and is within the New Community Overlay District (NCD-GC).

The proposed project included the following:

- Partial demolition of existing parking lot and clearing of land to construct a 5,334 S.F. office building;
- Provide Parking Lot reconfiguration for the site and sidewalk improvements to the existing buildings; and
- Reconfigure existing detention pond and update site drainage infrastructure and utilities.

Benderson has been actively working on addressing Town comments and had an unexpected delay as result of an approval needed by the New York State Department of Environmental Conservation to undertake some mitigation planting which. Those mitigation plantings have been completed.

We respectfully request that the Planning Board grant an extension of the site plan approval. We are addressing the final comments from the Town Departments and plan on starting construction this summer.

Should you have any questions or require any additional information, please do not hesitate to contact me at 716-878-9626 or via e mail at jamesboglioli@benderson.com .

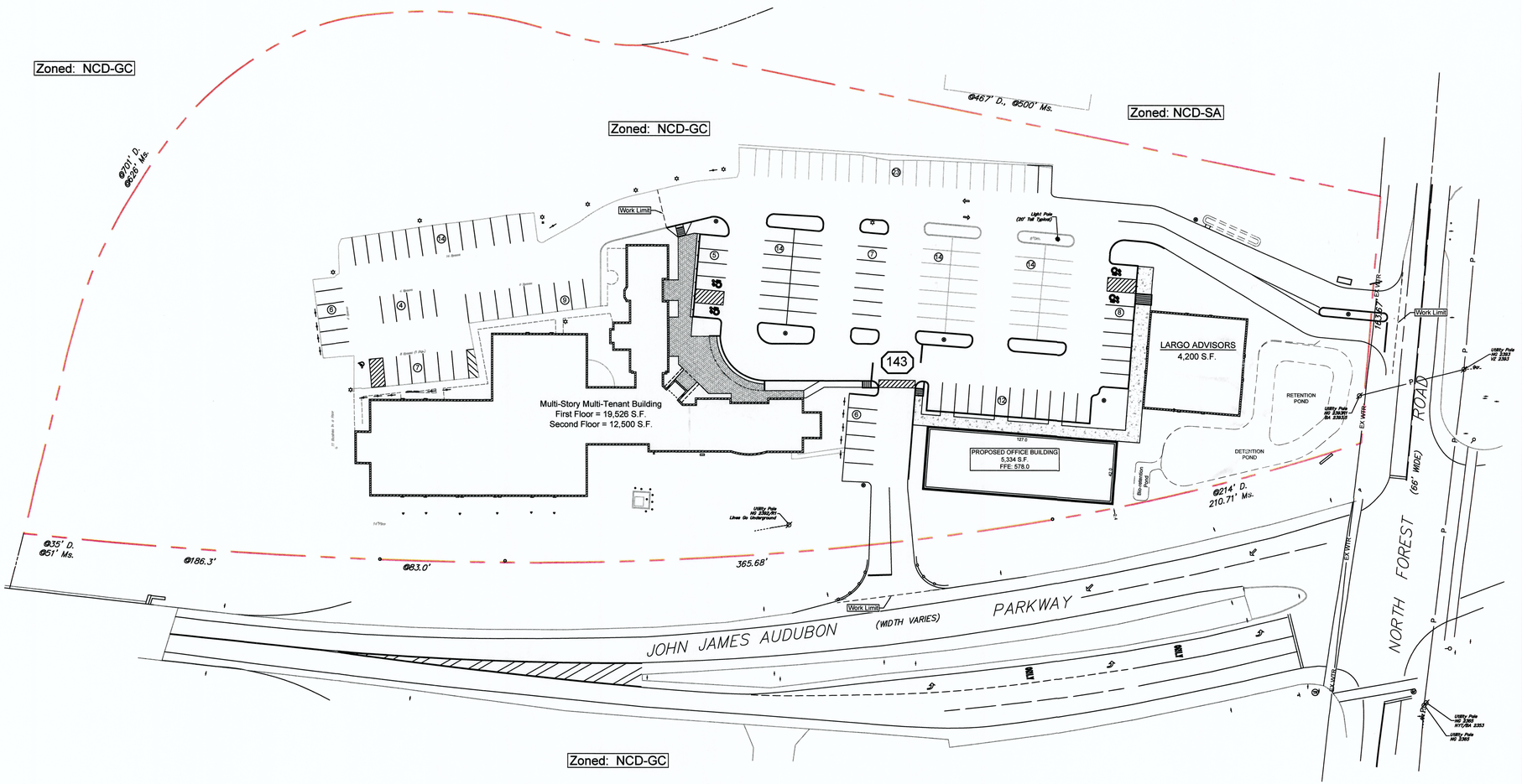
Thank you,
BENDERSON DEVELOPMENT COMPANY, LLC

James A. Boglioli

James A. Boglioli, Esq.
Director, Right to Build – Northeast US

Attachment: SP-1992-44_K application 062625 (30464 : SP-1992_44_K, 2420-2430 N. Forest Rd. (NCD))

*Refer to Parking Study for existing parking analysis



OFFICIAL TOWN USE ONLY

Town of Amherst
APPROVED PLAN
☒ MAJOR SITE PLAN
☐ MINOR SITE PLAN/ADJUSTMENT
☐ COORDINATED SIGN PLAN
☒ ALTERNATIVE PARKING PLAN
MAY 12 2025
PLANNING DIRECTOR — DATE
SP-1992-44_J — CHECKED BY
FILE NUMBER

DRAWING REVISIONS:

No.	DATE	BY	REMARKS
1	03.29.2023	DZ	Town Comments
3	08.31.2023	DZ	Drainage Update
4	12.03.2023	DZ	Town Comments

SPECIAL INFORMATION:

ALL CONTRACTORS SHALL GUARANTEE THEIR WORK FOR A PERIOD OF ONE YEAR FROM THE DATE OF OWNERS ACCEPTANCE.

SHOP DRAWING SUBMITTALS ARE REQUIRED FOR ANY AND ALL STRUCTURES.

NOTICE

UNAUTHORIZED ALTERATIONS OF THIS DOCUMENT ARE IN VIOLATION OF SECTION #7209 OF THE STATE EDUCATION LAW.

NORTH

811 Know what's below. Call before you dig.

PROPERTY NUMBER: #5155

AREA: -

2420-2430 N. Forest Road
Town of AMherst, NY 14068

PROPOSED
SITE MODIFICATIONS

CONSULTANT

JAMES ALLEN RUMSEY
ARCHITECT
PREPARED FOR
BENDERSON
DEVELOPMENT
570 DELAWARE AVE., BUFFALO, NY 14202
(716) 886-0211

SEAL

REGISTERED ARCHITECT
JAMES ALLEN RUMSEY
STATE OF NEW YORK

TITLE:
Overall
Site Plan

RECEIVED
MAY 07 2025
TOWN OF AMHERST
PLANNING DEPT.

SCALE: 1" = 40'
DRAWN BY: DMZ
CHECKED BY: MAO
DATE: 12.15.2022
DRAWING NO.: C4.0

Attachment: SP-1992-44_K drawings 062625 (30464 : SP-1992_44_K, 2420-2430 N. Forest Rd. (NCD))

TOWN OF AMHERST
PLANNING BOARD
SITE PLAN RESOLUTION (NCD)
SP-1992-44_J

PETITIONER

Benderson Development Co.
570 Delaware Ave.
Buffalo, NY 14202

PROPERTY LOCATION

2420-2430 North Forest Road

JUL 3 2025 AM
'23 MAY 26 AM9:1

Attachment: SP-1992-44K signed resolution 062625 (30464 : SP-1992_44_K, 2420-2430 N. Forest Rd. (NCD))

WHEREAS the Town of Amherst Planning Board on Thursday, May 18, 2023 held a public hearing on a Site Plan for the proposed 5,330 sq. ft. medical office building, and

WHEREAS the Planning Board has reviewed the plans and specifications for the proposed project, and

WHEREAS the Site Plan has been referred to the Town's various review agencies and they have made findings on this project, and

WHEREAS the Planning Board finds that:

1. The proposed site plan is consistent with the intent, objectives and specific requirements of the Zoning Ordinance, specifically those of the New Community District, Section 5-2.

2. The proposed site plan is in conformity with the Approved Development Plan for the Audubon New Community.

3. Adequate services and utilities are or will be available prior to occupancy, and

4. Review by the US Army Corps of Engineers under Section 404 of the Clean Water Act may be waived because the parcel is developed.

5. Pursuant to Local Law #3-82, (Chapter 104 of Amherst Town Code 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.

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

NOW THEREFORE BE IT FURTHER RESOLVED that the Planning Board, in accordance with Part II, Chapter 83, Part IX, Section 1-2 of Town Law waives sidewalks required along John Jay Audubon Parkway and North Forest Road until required at some future time by the Town Board, and

TOWN OF AMHERST
PLANNING BOARD
SITE PLAN RESOLUTION (NCD)
SP-1992-44_J

JUL 3 2025 AM9:

PETITIONER

Benderson Development Co.

PROPERTY LOCATION

2420-2430 North Forest Road

'23 MAY 26 AM9:1

NOW THEREFORE BE IT FURTHER RESOLVED that the Planning Board, in accordance with Section 8-15-9 of the Zoning Ordinance, approves said Site Plan, subject to the following conditions:

1. The conditions of approval stated in Planning Department review letter of April 26, 2023 are addressed to the satisfaction of that Department.

2. The conditions of approval stated in Engineering Department review letter of April 25, 2023 and SWPPP Officer's review letter of March 1, 2023 are addressed to their satisfaction.

3. The conditions of approval stated in Amherst Fire Chiefs' Association review letter of April 21, 2023 are addressed to the satisfaction of the Fire Safety Officer.

4. The comments stated in NYS Department of Conservation's review letter of May 7, 2023 are addressed as applicable.

5. 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 and enclosure shall be high enough to enclose entire dumpster within.

6. That as-built record drawings, including location of utilities, be provided to the Engineering Department prior to issuance of a Certificate of Occupancy by the Building Department.

The foregoing resolution was adopted by the Town of Amherst Planning Board, May 18, 2023; moved by Giuliani; seconded by Gill; ayes 6, noes 0, absent 1 (Chmiel).

Robert J. Gilmour, Planning Board Chair

5/25/23.
Date

Attachment: SP-1992-44K signed resolution 062625 (30464 : SP-1992_44_K, 2420-2430 N. Forest Rd. (NCD))

TOWN OF AMHERST
PLANNING BOARD
SITE PLAN RESOLUTION (NCD)
SP-1992-44_J

PETITIONER

Benderson Development Co.

PROPERTY LOCATION

2420-2430 North Forest Road

'23 MAY 26 AM9:15

GP/ac
X:\Current_Planning\Files\Site Plans\1992\SP-1992-44_J_(2420-2430_North_Forest_Rd)_2023\SP-1992-44_J_resolution_051823.doc
cc: Commissioner of Building
Town Engineer
Fire Chiefs
Traffic/Safety Coordinator
Highway Superintendent
James Boglioli, Benderson Development, 570 Delaware Avenue, Buffalo, NY 14202

Approved Plan: revised March 29, 2023, Benderson Dev.
Received: April 6, 2023

NOW THEREFORE BE IT FURTHER RESOLVED that the Planning Board has granted an extension to its Site Plan approval retroactive to May 18, 2025 for a period of two years.

The foregoing resolution was adopted by the Town of Amherst Planning Board, June 26, 2025; moved by O'Rourke; seconded by Davis; ayes 5; noes 0; absent 2 (Kahn, Raffaele).

Michael J. Chmiel, Planning Board Chair

7/2/25
Date

JUL 3 2025 AM9:

GP/ac
X:\Current_Planning\Files\Site Plans\1992\SP-1992-44_K_(2420-2430_North_Forest_Rd)_2025\SP-1992-44_K_resolution_062625.doc
cc: Commissioner of Building
Town Engineer
Fire Chiefs
Traffic/Safety Coordinator
Highway Superintendent
James Boglioli, Benderson Development, 570 Delaware Avenue, Buffalo, NY 14202

Approved Plan: revised March 29, 2023; Benderson Development
Received: April 6, 2023

Attachment: SP-1992-44K signed resolution 062625 (30464 : SP-1992_44_K, 2420-2430 N. Forest Rd. (NCD))

Amherst Planning Board
5583 Main Street
Williamsville, NY 14221

ADOPTED

Meeting: 06/26/25 06:30 PM
Department: Planning
Category: Subdivisions & Relief from Conditions
Prepared By: Amy Carrato
Initiator: Dan Howard
Sponsors:
DOC ID: 29952

PLANNING BOARD ITEM (ID # 29952)

Proposed Final Plat for a 26-Lot Subdivision "Ashley Green", SUB-2022-02FP

Property located at 10060 Transit Road (portion)
Ashley Green LLC, Petitioner

ATTACHMENTS:

- SUB-2022-02_FP application 062625 (PDF)
- SUB-2022-02_FP_drawings_062625 (PDF)
- SUB-2022-02FP signed resolution 062625 (PDF)

RESULT:	**APPROVED [UNANIMOUS]**
MOVER:	Harbinder Gill, Board Member
SECONDER:	Michael Chmiel, Chair
AYES:	Chmiel, Davis, Gill, Penberthy, O'Rourke
ABSENT:	Carrie H. Kahn, Joseph P. Raffaele Jr.

TOWN OF AMHERST

APPLICATION & REVIEW PROCEDURE

SUBDIVISIONS

MATERIALS MUST BE PROV IN AN ELECTRONIC FORMAT THAT CONTAINS PDF FILES OF THE APPLICATION, EAF, PLAN DRAWING SET, SURVEY, & ANY OTHER SUPPORTING INFORMATION. THIS MUST BE SUBMITTED WITH YOUR APPLICATION. APPLICATIONS WILL NOT BE TRANSMITTED WITHOUT THIS ELECTRONIC INFORMATION.

THIS ALSO APPLIES TO REVISED MATERIALS THAT ARE SUBMITTED.

This application package includes the following:

- Application Procedures
- Application Form
- Appendix A Town of Amherst EAF Addendum
- Appendix B Criteria for Required 8½" x 11" plan/plat
- Appendix C Stormwater Pollution Prevention Plan Checklist
- Appendix D Declaration of Private Drainage Conditions (Preliminary Plat Only)

Subdivision approval involves several steps. The steps and procedures are summarized below.

- **SKETCH PLANS** are not subject to SEQR and do not require Environmental Assessment Forms (EAFs). Sketch plans are not required for Minor Subdivisions (4 lots or less). The Planning Board will hold a public hearing on Sketch Plans.

- **PRELIMINARY PLATS** – This review involves 2 steps:
  - **State Environmental Quality Review Act (SEQR)** (6 NYCRR Part 617). The Planning Board will hold a public hearing on the SEQR review of the proposed subdivision. It is *strongly recommended* that applicants request a pre-submittal conference with Planning Department staff to review both the application requirements and the requirements to complete the SEQR review. Unlisted Actions require a Short EAF; Type I Actions require a Full EAF. The applicant must also submit a Town of Amherst EAF Addendum and any required supplementary information such as traffic studies, archaeological reports, or wetland delineations. The following is a link to the NYSDEC website and fillable forms with instructions: **https://gisservices.dec.ny.gov/eafmapper/**.

  - **Preliminary Plat –** The Preliminary Plat hearing cannot be opened until the Planning Board holds a separate hearing on SEQR and makes a SEQR determination. The Planning Board will then hold a public hearing and take action on the Preliminary Plat.

- **FINAL PLATS** must be submitted within six (6) months of approval of a Preliminary Plat. The Final Plat shall conform to the layout of the Preliminary Plat and incorporate any conditions imposed by the Planning Board during Preliminary Plat approval. There are no hearings on Final Plats.

APPLICATION PROCEDURES

***NOTE**: It is advisable to discuss proposals with the Planning Staff prior to the preparation of any Sketch Plan or Preliminary Plat.*

1. Applicant secures an application from the Planning Department, 5583 Main Street, Williamsville, NY, 14221; by phoning (716) 631-7051; or on-line at www.amherst.ny.us, keyword: Planning.

   The application shall be executed or consented to in writing by the owner of the property.

2. Applicant prepares information as required in Chapter 204 of Town Code, Subdivision of Land. An environmental assessment under SEQR and Town regulations must be included if required.

Attachment: SUB-2022-02_FP application 062625 (29952 : SUB-2022-02FP, 10060 Transit Road)

3. All drawings should be no larger than 24 in. x 36 in. in size. If site characteristics warrant larger plan sheets, they may be accepted subject to Planning Department concurrence. All drawings must also reserve a 4 in. x 6 in. area in the lower right hand corner for official Town use.

4. Applicant schedules an appointment with the Planning Department to review the following:
   - a complete set of Sketch Plan or Preliminary Plat drawings (no larger than 24" x 36" in size)
   - for Preliminary Plat, the Environmental Assessment Form (EAF) & Town EAF Addendum
   - any supporting reports and materials
   - verification from the Town Assessor that the address in the application is correct

5. Applicant schedules an application submittal appointment with the Planning Department. NO SUBDIVISION APPLICATION WILL BE ACCEPTED FOR REVIEW WITHOUT A PRE-SET SUBMITTAL APPOINTMENT,

6. At the submittal appointment, applicant submits the following to the Planning Department:

   - thirteen (13) complete and collated sets of drawings. All materials submitted for Sketch Plan and Preliminary Plat review must be folded no larger than 9" x 12" in size (**at least one (1) set of drawings must bear a raised or wet seal and signature of the design professional who prepared the plans**; the remaining copies may be submitted with a facsimile of the seal and signature)
   - application form
   - Environmental Assessment Form (EAF) (for Preliminary Plat only)
   - supporting reports / materials
   - a list of proposed street names (with the Preliminary Plat)
   - digital files of all materials in pdf format
   - an 8½" x 11" reduction of the Sketch Plan or Preliminary Plat drawing (see Appendix B)

   .

7. After approval for filing by the Planning Department, applicant submits all necessary fees to the Town Clerk. **(See Schedule of Fees on first page of application and make checks payable to: Town of Amherst.)**

8. The applicant returns a copy of the filing receipt to the Planning Department.

9. Planning Department transmits the remaining twelve (12) copies of the application and supporting material to:
   - Assessor
   - Commissioner of Building
   - Town Engineer
   - Superintendent of Highways
   - Traffic/Safety Board
   - Fire Chiefs' Association
   - Plumbing Division
   - Right-of Way-Agent
   - Zoning Enforcement Officer
   - Other Town and outside agencies, as applicable

Attachment: SUB-2022-02_FP application 062625 (29952 : SUB-2022-02FP, 10060 Transit Road)

10. Within 30 days of its receipt of the complete application for Sketch Plan, Preliminary Plat and Final Plat approval, each department completes its review of the application and notifies the Planning Department in writing of its comments or recommendations as required by § 204 of Town Code.

11. The Planning Department reviews the Environmental Assessment Form to determine whether a Draft Environmental Impact Statement (DEIS) is required. The petitioner will be advised in the event that a DEIS is required and afforded the opportunity to prepare it. If the petitioner declines, the Planning Board will prepare the DEIS at petitioner's expense.

12. The applicant may be required to submit revised plans, reports, or materials to address review comments. The procedures for submittal of revised information are as follows:

    - A cover letter addressing all comments received to date is required.
    - "Highlight" the area of change on the drawings and provide a notation describing the change.
    - Revised plans/materials are required. Planning staff should be contacted to determine the number of sets needed.
    - All revised plans and materials must also be provided in an electronic format that contains pdf files of the revised information.

PLANNING BOARD MEETING PROCEDURES:

13. The applicant or representative presents the project at the public hearing before the Planning Board and is available to answer any questions. The Planning Board may take any of the following actions:

    - Adjourn the hearing on the Sketch Plan, SEQR determination or Preliminary Plat to a future Planning Board meeting (hearing remains open).
    - Close the hearing and adjourn action on the Sketch Plan, SEQR determination or Preliminary Plat to a future Planning Board meeting. (The Planning Board may remove the item from the agenda until such time as all required information is provided.)
    - Close the hearing and make a decision on the application.

    All determinations on matters before the Planning Board are made after all public hearings on that meeting's agenda are completed.

14. A copy of the Planning Board's determination will be provided to the applicant, his / her representative, the Building Commissioner and the Town Clerk approximately 1 week following the Planning Board meeting at which it was heard.

15. If the Planning Board approves a Sketch Plan or Preliminary Plat with conditions, the Planning Department will work with the applicant to ensure that all conditions of the approval have been satisfactorily addressed. When all conditions are satisfied, the applicant submits **(4) final copies** of the complete set of all drawings, folded into 9" x 12". **All 4 sets must have original wet seals and include the required 4 in. x 6 in area in the lower right hand corner for official Town use.** These drawings will be stamped and signed "Approved" by the Planning Director and transmitted to Town Departments for their files and use.

Attachment: SUB-2022-02_FP application 062625 (29952 : SUB-2022-02FP, 10060 Transit Road)

16. **FINAL PLAT REVIEW & APPROVAL**:

The procedure for obtaining Final Plat approval is as follows:

- Applicant prepares 21 subdivision final plats (11 paper and 10 mylar copies) that are signed by the applicant. **The plats shall be consistent with the approved Preliminary Plat and incorporate any conditions imposed by the Planning Board**; all changes must be clearly identified on the Plat. Final Plats do not require the 4 in. x 6 in area in the lower right hand corner for official Town use.

- Applicant obtains Erie County Health Department stamp on four (4) of the mylar plat copies.

- Applicant obtains a Subdivision Checklist from the Planning Department and obtains the signatures of the Town Highway Superintendent, Town Engineer and Town Assessor. The checklist is also signed by the applicant. The following materials are submitted to the Planning Department:
  - All 21 subdivision plats with applicant's signature; four (4) mylars must bear the stamp of the Erie County Health Department.
  - **Certification from the applicant that the Final Plat is consistent with the Preliminary Plat (or any changes clearly identified in writing)**
  - Subdivision Checklist signed by the Town Highway Superintendent, Town Engineer, Town Assessor and applicant.

- The Final Plat and associated materials must be filed with the Planning Department **within six (6) months** of approval of the Preliminary Plat by the Planning Board.

- The Planning Department schedules the Final Plat approval for a Planning Board meeting (no public hearing is required for a Final Plat which conforms to an approved Preliminary Plat or phase thereof). Applicants should check with the Planning Department for submittal deadlines.

- The Planning Board considers and takes action on the Final Plat at a scheduled meeting.

- Subsequent to an affirmative action by the Planning Board, the Chairman of the Planning Board will sign the Final Plats and Checklist and transmit these materials to the Town Clerk, who will notify the applicant of fees (lighting, recreation, etc.) that are to be paid.

- Upon payment of the required fees, the Town Clerk will release the approved plats to the applicant.

- The applicant must then file the approved Final Plats with the Erie County Clerk, who assigns a Map Cover number.

- The filed map cover and remaining approved Final Plat drawings and checklist are returned to the Town for filing.

NOTE: Please check with the Planning Department to determine the deadline dates for filing applications. Because of the public hearing notice and departmental reviews, no subdivision application will be placed on the Planning Board agenda after the deadline for filing has closed.

Attachment: SUB-2022-02_FP application 062625 (29952 : SUB-2022-02FP, 10060 Transit Road)

TOWN OF AMHERST PLANNING DEPARTMENT

Subdivision Application

For Official Use

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

Type of Subdivision Application (check one):

Sketch Plan _____
Preliminary Plat _____
Final Plat _____

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)

		Fill In Applicable Fees
Sketch Plan	**$1,150.00**	_____
Preliminary Plat		
* 1 acre or less	**$1,250.00**	_____
* Each additional acre or fraction thereof *(fraction to be counted as 1 acre)*	**$ 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	_____
Minor Modification to a Subdivision Plat	$ 325.00	_____
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**	_____
Final Plat	**$ 450.00**	$ 450.00
	TOTAL FEE:	$ 450.00

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: SUB-2022-02_FP application 062625 (29952 : SUB-2022-02FP, 10060 Transit Road)

SUBDIVISION APPLICATION (con't)

To Be Completed By Applicant

Petitioner: Name: Ashley Green, LLC, Attn: David Capretto

Address: 470 Cayuga Road

Buffalo (city) NY (state) 14225 (zip code)

Phone: (716) 688-5597 Fax:

E Mail: dcapretto@forbeshomes.com

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

Name: Greenman-Pedersen, Inc. (Attn: Ken Zollitsch)

Address: 4950 Genesee Street, Suite 100

Buffalo (city) NY (state) 14225 (zip code)

Phone: 633-4844 Fax: 633-4940

E Mail: kzollitsch@gpinet.com

Subdivision Location & Address: 10060 Transit Road (SBL 29.01-2-5.1)

Town of Amherst, Erie County, New York

Zoning District(s): Residential District Three (R-3)

Number of Proposed Sublots: 26

Proposed Subdivision Name: Ashley Green

Proposed Street Names:

Ashley Green Lane	☒ Public	☐ Private
Ruby Lane (continuation of existing)	☒ Public	☐ Private
	☐ Public	☐ Private
	☐ Public	☐ Private

Attachment: SUB-2022-02_FP application 062625 (29952 : SUB-2022-02FP, 10060 Transit Road)

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

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_____
   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:
   _____ average flow _____ 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.)

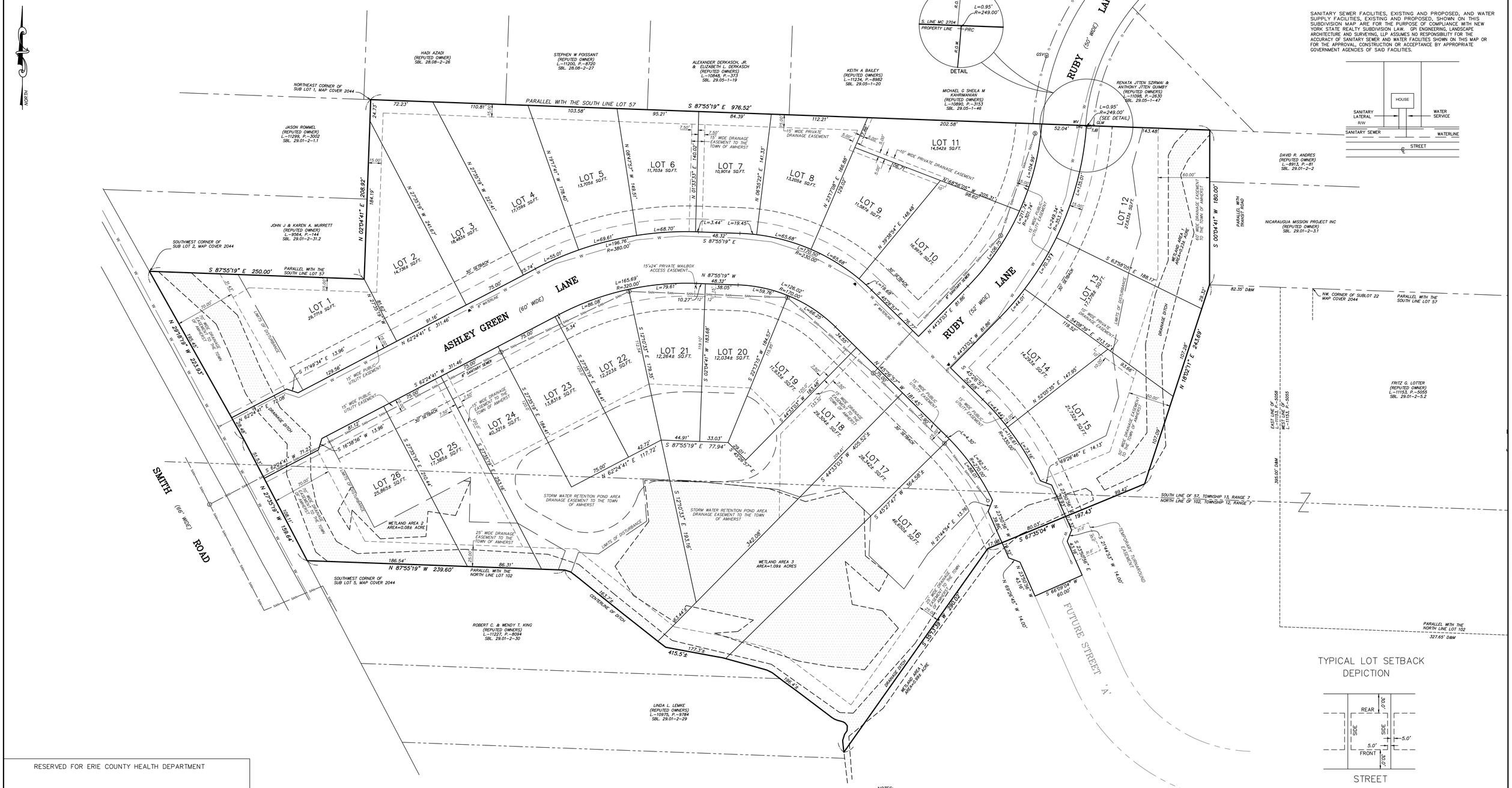
10. Based on the Town's *2011 Reconnaissance Level Survey of Historic Resources,* is your property 'blue-rated' for historic significance? □ Yes □ No

Attachment: SUB-2022-02_FP application 062625 (29952 : SUB-2022-02FP, 10060 Transit Road)

NOTE: THIS SURVEY WAS PREPARED WITHOUT THE BENEFIT OF AN ABSTRACT OF TITLE.

NOTE: UNAUTHORIZED ALTERATION OR ADDITION TO THIS DOCUMENT IS A VIOLATION OF SECTION 7209 PROVISION 2 OF THE NEW YORK STATE EDUCATION LAW.

SANITARY SEWER FACILITIES, EXISTING AND PROPOSED, AND WATER SUPPLY FACILITIES, EXISTING AND PROPOSED, SHOWN ON THIS SUBDIVISION MAP ARE FOR THE PURPOSE OF COMPLIANCE WITH NEW YORK STATE REALTY SUBDIVISION LAW. GPI ENGINEERING, LANDSCAPE ARCHITECTURE AND SURVEYING, LLP ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OF SANITARY SEWER AND WATER FACILITIES SHOWN ON THIS MAP OR FOR THE APPROVAL, CONSTRUCTION OR ACCEPTANCE BY APPROPRIATE GOVERNMENT AGENCIES OF SAID FACILITIES.



TYPICAL LOT SETBACK DEPICTION

RESERVED FOR ERIE COUNTY HEALTH DEPARTMENT

RESERVED FOR ERIE COUNTY DEPARTMENT OF FINANCE

MARK J. ANDREWS, L.S.

NOTE: UNAUTHORIZED ALTERATION OR ADDITION TO THIS DOCUMENT IS A VIOLATION OF SECTION 7209 PROVISION 2 OF THE NEW YORK STATE EDUCATION LAW.

FILED IN THE ERIE COUNTY CLERK'S OFFICE UNDER

MAP COVER: _____ DATE: _____

NOTES:

ALL IMPROVEMENTS WILL BE INSTALLED UNDER TOWN PERMITS WITH ALL PLANS CONSISTENT WITH PRELIMINARY PLAT.

PUBLIC DRAINAGE EASEMENTS SHALL BE GRANTED TO THE TOWN OF AMHERST TO PROVIDE ACCESS TO STORM WATER FACILITIES. THESE EASEMENTS SHALL REMAIN FREE OF OBSTRUCTIONS.

PRIVATE DRAINAGE EASEMENTS SET FORTH ON THE SUBDIVISION MAP ARE FOR THE BENEFIT OF THE OWNERS OF PROPERTY WITHIN THE SUBDIVISION AND THE BENEFIT DERIVED FROM THESE EASEMENTS IS FOR THE PROPERTY ONLY AND THE TOWN OF AMHERST ASSUMES NO RESPONSIBILITY FOR THE MAINTENANCE THEREOF.

SEE SURVEY PREPARED BY GPI ENGINEERING, LANDSCAPE ARCHITECTURE & SURVEYING, LLP JOB NO. 7485 DATED: JULY 2, 2019

SUBDIVISION AREA: 13.18± Acres

OWNERS CONSENT FOR FILING :

_____ _____
OWNER DATE

APPROVED BY THE TOWN OF AMHERST PLANNING BOARD, ERIE COUNTY, NEW YORK:

_____ _____
CHAIRMAN DATE

FINAL PLAT
ASHLEY GREEN SUBDIVISION

BEING PART OF LOT 57, TOWNSHIP 13, RANGE 7
&
PART OF LOT 107, TOWNSHIP 12, RANGE 7
HOLLAND LAND COMPANY'S SURVEY
TOWN OF AMHERST, ERIE COUNTY, NEW YORK

GPI ENGINEERING, LANDSCAPE ARCHITECTURE & SURVEYING, LLP
ENGINEERING • SURVEYING • LANDSCAPE ARCHITECTURE
4820 GENESEE STREET, SUITE 100
BUFFALO, NEW YORK 14225
(716) 633-4844 FAX 633-4940

Job No. 2025-7485 Date: JANUARY 20, 2025
Scale: 1" = 50' TAX No.

Attachment: SUB-2022-02_FP_drawings_062625 (29952 : SUB-2022-02FP, 10060 Transit Road)

TOWN OF AMHERST
PLANNING BOARD
FINAL PLAT RESOLUTION
SUB-2022-02_FP

PETITIONER

DJC Land, Inc.
470 Cayuga Road
Buffalo, NY 14225

PROPERTY LOCATION

10060 Transit Road (portion)

JUL 3 2025 AM

WHEREAS the Town of Amherst Planning Board at its meeting of June 26, 2025 has reviewed plans and specifications for the proposed 26 -sublot subdivision, "Ashley Green" located at 10060 Transit Road (western portion), 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 consistent with the intent, objectives and specific requirements of the Zoning Ordinance.
2. This final plat is in substantial compliance with the previously approved Preliminary Plat as required and in accordance with Town Law Section 276, Paragraph 6(b).
3. Adequate services and utilities are or will be available prior to occupancy.
4. Pursuant to Local Law #3-82, as amended, the Planning Board has determined that the requirements of SEQR are complete, a Negative Declaration has been issued, and that the subject proposal is not expected to have a significant adverse effect on the environment.
5. Under Section 404 of the Clean Water Act, the US Army Corps of Engineers has determined that it has jurisdiction. A Preliminary Jurisdictional Determination which is non-binding and advisory in nature has been issued based on the submitted wetland delineation map that the wetland and water boundaries on the map accurately represent on-site conditions
6. The subdivision is consistent with all other applicable laws.

NOW THEREFORE BE IT RESOLVED that the Planning Board, in accordance with Part III of the Subdivision Regulations approves said Subdivision with the following conditions:

1. That once approved by the Town, all easements shown on the final plat and the Declaration of Private Drainage Conditions be filed with the Erie County Clerk's office and that copies on the filed easements and drainage conditions are provided to the Town of Amherst Planning Department.
2. That an address plan for the subdivision is approved prior to issuance of any building permits for homes within the subdivision.

Attachment: SUB-2022-02FP signed resolution 062625 (29952 : SUB-2022-02FP, 10060 Transit Road)

TOWN OF AMHERST
PLANNING BOARD
FINAL PLAT RESOLUTION
SUB-2022-02_FP

JUL 3 2025 AM9

PETITIONER	PROPERTY LOCATION
DJC Land, Inc.	10060 Transit Road (portion)

3. That the Planning Board Chairperson's signature be withheld on the final map cover until the Town Attorney has approved all easements for filing in the County Clerk's Office.

NOW THEREFORE BE IT FURTHER RESOLVED that Ashley Green Lane and the extension of Ruby Lane, an existing street be classified as local street(s) and that sidewalks are 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 that sidewalks are not required on Smith Road, an existing street classified as a collector roadway.

NOW THEREFORE BE IT FURTHER RESOLVED in reviewing the proposed subdivision and §204-3-2 O of Town Code that street lighting and associated lighting district is required and that the required street lighting be constructed under a P.I.P. for the subdivision.

NOW THEREFORE BE IT FURTHER RESOLVED the existing temporary turnaround on the southern end of Ruby Lane be removed and that the area be restored to lawn and that the sidewalks from their current terminus on Ruby Lane be extended southerly to the property lines of sub lots #11 and #12 as part of the PIP's for the roadway and utilities for the subdivision.

NOW THEREFORE BE IT FURTHER RESOLVED that recreation fees are 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, June 26, 2025; moved by Gill; seconded by Chmiel; ayes 5; noes 0; absent 2 (Kahn, Raffaele).

Michael J. Chmiel, Planning Board Chair

7/2/25
Date

SM/ac
X:\Current_Planning\Files\Subdivisions\SUB-2022\SUB-2022-02_(10060_Transit_Rd)_2022\SUB-2022-02_FP_(10060_Transit_Rd)_2025\SUB-2022-02_FP_resolution_062625.doc
cc: Commissioner of Building
Town Engineer
Highway Superintendent
Fire Chiefs Council
David Capretto, DJC Land, Inc., 470 Cayuga Road, Buffalo, NY 14225
Ken Zollitsch, Greenman-Pedersen, Inc., 4950 Genesee Street, Suite 100, Buffalo, NY 14225

Attachment: SUB-2022-02FP signed resolution 062625 (29952 : SUB-2022-02FP, 10060 Transit Road)

Amherst Planning Board
5583 Main Street
Williamsville, NY 14221

DEFEATED

Meeting: 06/26/25 06:30 PM
Department: Planning
Category: Miscellaneous
Prepared By: Amy Carrato
Initiator: Dan Howard
Sponsors:
DOC ID: 30414

PLANNING BOARD ITEM (ID # 30414)

Proposed Request to Rename Bowmart Parkway to Costco Way and to Amend the Official Town Map, SR-2025-01

Benderson Development Company LLC, Petitioner

ATTACHMENTS:

- Correspondence requesting to rename road (PDF)
- SR-2025-01 signed resolution 062625 (PDF)

RESULT:	**DENIED [UNANIMOUS]**
MOVER:	Brittany Lee Penberthy, Board Member
SECONDER:	Harbinder Gill, Board Member
AYES:	Chmiel, Davis, Gill, Penberthy, O'Rourke
ABSENT:	Carrie H. Kahn, Joseph P. Raffaele Jr.

BENDERSON DEVELOPMENT
570 DELAWARE AVENUE
BUFFALO, NY 14202
716.886.0211.P 716.886.2269.F

March 20, 2025

Supervisor Brian Kulpa and Members of the Amherst Town Board
Town of Amherst
5583 Main Street
Williamsville, NY 14221

RE: Proposed Costco Project
4200 - 4256 Ridge Lea Road, 256 Meyer Road, 270 Meyer Road, 280 Meyer Road and 306 Meyer Road (BDP# 5077)
Request to Rename Bowmart Parkway to Costco Way or Costco Boulvard

Dear Supervisor Kulpa and Members of the Town Board:

As the Town Board is aware, the Costco project is now under construction on North Bailey Ave. The project site is located between the Boulevard Shopping Center and the I-290 and connects to Meyer Road. As part of the Costco project, a new central road is being constructed to connect the project site to Meyer Road. The new internal road will run from North Baily Ave to Meyer Road and will form an intersection with Bowmart Parkway.

We respectfully request that the Town rename Bowmart Parkway to Costco Way or Costco Boulevard. We believe this is an exciting development for the Town of Amherst and it will attract people both within and outside the Town. We believe renaming Bowmart Parkway will not only strengthen the development but will assist in wayfinding for those looking to go to the new development and shop in the area – especially for those utilizing Maple Road. Renaming Bowmart Parkway to Costco Way or Costco Boulevard may also reduce traffic on North Baily Ave. and result in improved traffic patterns.

We look forward to working with the Town on this request. If there are any questions regarding this letter or you wish to meet to discuss this request, please feel free to contact me at (716) 878-9626 or jamesboglioli@benderson.com.

Thank you,
BENDERSON DEVELOPMENT COMPANY, LLC

James A. Boglioli

James A. Boglioli, Esq.

cc: Town Clerk
Planning Department
Town Attorney's Office

Attachment: Correspondence requesting to rename road (30414 : SR-2025-01, Rename Bowmart Parkway)

TOWN OF AMHERST
PLANNING BOARD
SPECIAL REQUEST
SR-2025-01

PETITIONER

Benderson Development Company
570 Delaware Ave.
Buffalo, NY 14202

PROPERTY LOCATION

Bowmart Parkway

JUL 3 2025 AM

WHEREAS, the Town of Amherst Planning Board on Thursday, June 26, 2025 considered a request for rename Bowmart Parkway to COSTCO Way or COSTCO Boulevard, and

WHEREAS, under NYS Town Law §273 the Planning Board is required to make a recommendation on a rezoning request to the Town Board as it could result in a change the official Town Map, now

THEREFORE BE IT RESOLVED that the Planning Board, recommends to the Town Board that the request to rename Bowmart parkway be denied for the following reasons:

1. The naming of a public road should not continue onto a private roadway or driveway so that jurisdiction of the roadway is clear for maintenance responsibilities and the associated enforcement of vehicle laws.
2. The renaming of Bowmart Parkway may have an impact on existing businesses that take their vehicular access from that roadway in receiving deliveries and potentially within any online or print advertising.
3. The street signs located within a public right-of-way could be considered off premise signs as they would provide advertising for a business which is not located at the subject location.
4. Renaming of a public roadway to a business name could set a precedent that could lead to future road naming or renaming to business without any public benefit.
5. There would be an unreimbursed cost to the Town for the production of and installation of new street signs, maps and other directional signs and materials.

The foregoing resolution was adopted by the Town of Amherst Planning Board, June 26, 2025; moved by Penberthy; seconded by Gill; ayes 5; noes 0; absent 2 (Kahn, Raffaele).

Michael J. Chmiel, Planning Board Chair

7/2/25
Date

SM/ac
X:\Current_Planning\Files\Special Requests\2025\SR-2025-01_(Rename_Bowmart_Pkwy)_2025\SR-2025-01_resolution_062625.doc
cc: Town Clerk
Commissioner of Building
Town Engineer
Fire Chiefs
Traffic/Safety
Highway Superintendent
James Boglioli, Benderson Development Co., 570 Delaware Ave., Buffalo, NY 14202

Attachment: SR-2025-01 signed resolution 062625 (30414 : SR-2025-01, Rename Bowmart Parkway)