MINUTES
TOWN OF AMHERST
AMHERST PLANNING BOARD MEETING
November 16, 2023
6:30 PM

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

This meeting is being video recorded.

The plans and documents that are available below for each Planning Board hearing item were submitted by the project applicant and are intended to provide general information about the proposal.

The official, complete sets of submittal documents and materials that provide more detailed information about the projects are available in the Planning Department, which is located in Amherst Town Hall, 5583 Main Street, Williamsville, NY 14221. Hours are 9 am to 5 pm, Monday through Friday. If you have any questions, please contact the Planning Department at (716) 631-7051.

Revised plans are submitted on an ongoing basis throughout the review process to address comments on the project. Every effort will be made to post the most recent version of the plans and application materials in a timely manner.

ROLL CALL

Attendee Name	Organization	Title	Status	Arrived
Robert J. Gilmour	Town of Amherst	Chair	Present	
Michael Chmiel	Town of Amherst	Board Member	Present	
Harbinder Gill	Town of Amherst	Board Member	Present	
Dal Giuliani	Town of Amherst	Board Member	Present	
Brittany Lee Penberthy	Town of Amherst	Board Member	Present	
Joseph P. Raffaele	Town of	Board Member	Present	

Jr.	Amherst			
Carrie H. Kahn	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	
Scott Marshall	Town of Amherst	Principal Planner	Present	
Thomas J. Voigt	Town of Amherst	Assistant Planner	Present	
Amy Carrato	Town of Amherst	Community Development Assistant	Present	
Jacqualine Berger	Town of Amherst	Councilmember	Present	
Nora B. Robshaw	Town of Amherst	Deputy Town Attorney	Present	

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

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

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

PUBLIC HEARINGS

SITE PLANS & RELIEF FROM CONDITIONS OF SITE PLANS

1. PROPOSED PLANNED UNIT DEVELOPMENT - AMHERST CENTRAL PARK, SP-2023-11
Property located at 772 N. Forest Road and 385 & 391 Maple Road
Town of Amherst, Petitioner

The application under consideration by the Planning Board is a Planned Unit Development (PUD) conceptual development plan for the Amherst Central Park ("PUD Application"). The PUD development plan would enable development of a town owned community park on 170.55 acres of land formerly known as the Westwood County Club. As set forth in the PUD Application, a planned unit development (PUD) is afforded by the Town's Zoning Ordinance pursuant to section 6-9 which gives the Town Board the authority to review any development on a parcel that is 30 acres or more in size. A planned unit development plan is afforded flexibility in design, through broader development standards that are performance based rather than prescriptive. Flexible design standards regulate off-street parking, landscaping, buffering, screening, building arrangements, aesthetics, vehicular circulation and pedestrian circulation. The Town Board is the approval authority for a planned unit development, while the Planning Board provides an advisory recommendation on an application. Under the provisions of the PUD the Town Board may adjust requirements of the Zoning Ordinance, including uses, signage requirements and procedures for review. All of these are being considered as part of the subject PUD plan.

Daniel Howard, Planning Director, Anne Dafchik, Architect, and Jeffrey Szatkowski, Landscape Architect, represented the petitioner, explained the proposal and were available to answer questions from the Board.

In response to the Board's questions, Mr. Howard stated he thinks there will be additional opportunities for input, change and local residents concerns to be heard, each component of the plan will go through the Facility Improvement Plan review process, there is not a timeline or sequence right now, and development will likely to start on the southeastern portion of the site.

Mary Shapiro, 16 Royalwoods Ct., spoke in opposition of the proposal; Bill Vaughan, 11 Fairways Blvd., spoke in opposition of the location of the proposed bike/pedestrian location at the Fairway Blvd. and Frankhauser Rd. intersection; Maureen Schmitt, 866, 860 & 850 N. Forest Rd., thanked the Town of Amherst for proposing a park on this property and requested the following - 1. an 8-foot high maintenance free fence running the entire property line between 850 N. Forest Rd. and the park property, 2. all parking lot and area lighting be positioned facing away from her properties, 3. that the maintenance garage have service hours between 7 am and 6 pm, and 4. an entrance and parking lot off Maple Road for public using the northern portion of the site; Maryann Hochberg, 1075 N. Forest Rd., spoke about the traffic impact for the area, needing a second entrance at the start of construction for construction access, a Maple Road entrance, and 829 N. Forest Rd. is identified on the National Historic register, and Tom Frank, 5403 Main St., spoke regarding the LWRP and stated there should be a trailway connection from the Project site to the Ellicott Creek bicycle path and UB.

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

Following discussion, Mr. Giuliani moved to approve the request based on the resolution. The motion was seconded by Mr. Chmiel and carried. Ayes 7, Noes 0.

RESULT:	**APPROVED [UNANIMOUS]**
MOVER:	Dal Giuliani, Board Member
SECONDER:	Michael Chmiel, Board Member
AYES:	Gilmour, Chmiel, Gill, Giuliani, Penberthy, Raffaele Jr., Kahn

SUBDIVISIONS & RELIEF FROM CONDITIONS OF SUBDIVISIONS

None

REZONING & RELIEF FROM CONDITIONS OF REZONINGS

2. REQUESET TO AMEND THE SEQRA FINDING FOR SIGNAGE, Z-1996-02B
Property located at 1565, 1575-1659 & 1641-1703 Niagara Falls Boulevard (BCD)
Benderson Development, Petitioner

The purpose of this request is to remove signage restrictions in the Findings Statement for Boulevard Consumer Square. The petitioner is seeking the removal of SEQR findings that limit the placement of signage on the rear facades of buildings that face Romney Road, Ridge Lea Road, and North Bailey Avenue. Additionally, the request includes the removal of a SEQR finding that limits the number of pole, pylon, or ground signs along Romney Road, Ridge Lea Road, and North Bailey Avenue.

James Boglioli, Esq., Benderson Development Co., represented the petitioner, explained the proposal and was available to answer questions from the Board.

In response to the Board's questions, Mr. Boglioli stated no signage will face the residential properties to the north of the site.

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

Following discussion, Mr. Giuliani moved to approve the request based on the resolution. The motion was seconded by Mr. Raffaele and carried. Ayes 6, Noes 0, Abstain 1 (Chmiel).

RESULT:	**APPROVED [6 TO 0]**
MOVER:	Dal Giuliani, Board Member
SECONDER:	Joseph P. Raffaele Jr., Board Member
AYES:	Gilmour, Gill, Giuliani, Penberthy, Raffaele Jr., Kahn
ABSTAIN:	Chmiel

MISCELLANEOUS

3. REQUEST TO AMEND THE BICENTENNIAL COMPREHENSIVE PLAN FROM COMMERCIAL OFFICE TO MIXED RESIDENTIAL, BCPA-2023-03
Property located at 2280 Wehrle Drive
Michael Keller, Petitioner

To amend the Bicentennial Comprehensive Plan to change the land use designation on Figure 6 from "Commercial-Office" to "Mixed Residential" to allow for the potential rezoning and construction of a four (4) unit, two (2) story apartment building.

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

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

Following discussion, Ms. Penberthy moved to approve the request based on the resolution. The motion was seconded by Mr. Gill and carried. Ayes 7, Noes 0.

RESULT:	**APPROVED [UNANIMOUS]**
MOVER:	Brittany Lee Penberthy, Board Member
SECONDER:	Harbinder Gill, Board Member
AYES:	Gilmour, Chmiel, Gill, Giuliani, Penberthy, Raffaele Jr., Kahn

4. REQUEST TO AMEND THE BICENTENNIAL COMPREHENSIVE PLAN FROM COMMERCIAL OFFICE TO INDUSTRIAL OFFICE, BCPA-2023-04
Property located at 2360-2370 Wehrle Drive
Arista 1 LLC, Petitioner

To amend the Bicentennial Comprehensive Plan to change the land use designation on Figure 6 from "Commercial-Office" to "Industrial-Office" to allow for the potential rezoning and construction on the parcel of 310,000 square feet of industrial/warehousing.

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

Giselle Gewandowski, 125 Oakwood Dr.; Gregg Bennett, 6675 Main St.; Phillip Lewandowski, 125 Oakwood Dr.; Tim Berry, 200 Berkley Rd.; John Krempa, 110 Oakwood Dr.; Clarice Stetter, 134 Oakwood Dr.; Kim Seibold, 111 Oakwood Dr.; Leanne Ruisi, 142 Oakwood Dr.; Douglas Ruisi, 142 Oakwood Dr.; Jim O'Donnell, 80 Oakwood Dr.; and Connor Doyle, 4009 Clinton St. spoke in opposition of the proposal

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

Following discussion, Mr. Giuliani moved to adjourn the request. The motion was seconded by Ms. Penberthy and carried. Ayes 7, Noes 0.

RESULT:	**ADJOURNED [UNANIMOUS]**	**Next: 1/18/2024 6:30 PM**
MOVER:	Dal Giuliani, Board Member	
SECONDER:	Brittany Lee Penberthy, Board Member	
AYES:	Gilmour, Chmiel, Gill, Giuliani, Penberthy, Raffaele Jr., Kahn	

OTHER COMMUNICATIONS

None

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

UNFINISHED BUSINESS

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

SITE PLANS & RELIEF FROM CONDITIONS OF SITE PLANS

None

SUBDIVISIONS & RELIEF FROM CONDITIONS OF SUBDIVISIONS

None

REZONING & RELIEF FROM CONDITIONS OF REZONINGS

None

MISCELLANEOUS

None

OTHER COMMUNICATIONS

None

DIRECTOR'S REPORT

MINUTES APPROVAL

October 19, 2023
Ms. Penberthy moved to approve the minutes. The motion was seconded by Ms. Kahn and carried. Ayes 6, Noes 1, Abstain 1 (Raffaele).

ADJOURNMENT

The Planning Board meeting of November 17, 2023 was adjourned at 8:46 pm.

Amherst Planning Board
5583 Main Street
Williamsville, NY 14221

ADOPTED

Meeting: 11/16/23 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: 28062

PLANNING BOARD ITEM (ID # 28062)

Proposed Planned Unit Development - Amherst Central Park, SP-2023-11

Property located at 772 N. Forest Road and 385 & 391 Maple Road
Town of Amherst, Petitioner

The application under consideration by the Planning Board is a Planned Unit Development (PUD) conceptual development plan for the Amherst Central Park ("PUD Application"). The PUD development plan would enable development of a town owned community park on 170.55 acres of land formerly known as the Westwood County Club. As set forth in the PUD Application, a planned unit development (PUD) is afforded by the Town's Zoning Ordinance pursuant to section 6-9 which gives the Town Board the authority to review any development on a parcel that is 30 acres or more in size. A planned unit development plan is afforded flexibility in design, through broader development standards that are performance based rather than prescriptive. Flexible design standards regulate off-street parking, landscaping, buffering, screening, building arrangements, aesthetics, vehicular circulation and pedestrian circulation. The Town Board is the approval authority for a planned unit development, while the Planning Board provides an advisory recommendation on an application. Under the provisions of the PUD the Town Board may adjust requirements of the Zoning Ordinance, including uses, signage requirements and procedures for review. All of these are being considered as part of the subject PUD plan.

Daniel Howard, Planning Director, Anne Dafchik, Architect, and Jeffrey Szatkowski, Landscape Architect, represented the petitioner, explained the proposal and were available to answer questions from the Board.

In response to the Board's questions, Mr. Howard stated he thinks there will be additional opportunities for input, change and local residents concerns to be heard, each component of the plan will go through the Facility Improvement Plan review process, there is not a timeline or sequence right now, and development will likely to start on the southeastern portion of the site.

Mary Shapiro, 16 Royalwoods Ct., spoke in opposition of the proposal; Bill Vaughan, 11 Fairways Blvd., spoke in opposition of the location of the proposed bike/pedestrian location at the Fairway Blvd. and Frankhauser Rd. intersection; Maureen Schmitt, 866, 860 & 850 N. Forest Rd., thanked the Town of Amherst for proposing a park on this property and requested the following - 1. an 8-foot high maintenance free fence running the entire property line between 850 N. Forest Rd. and the park property, 2. all parking lot and area lighting be positioned facing away from her properties, 3. that the maintenance garage have service hours between 7 am and 6 pm, and 4. an entrance and parking lot off Maple Road for public using the northern portion of the site; Maryann Hochberg, 1075 N. Forest Rd., spoke about the traffic impact for the area, needing a second entrance at the start of construction for construction access, a Maple Road entrance, and 829 N. Forest Rd. is identified on the National Historic register, and Tom Frank, 5403 Main St., spoke regarding the LWRP and stated there should be a trailway connection from the Project site to the Ellicott Creek bicycle path and UB.

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

Following discussion, Mr. Giuliani moved to approve the request based on the resolution. The motion was seconded by Mr. Chmiel and carried. Ayes 7, Noes 0.

ATTACHMENTS:

- SP-2023-11_application_111623 (PDF)
- SP-2023-11_drawings_111623(PDF)
- SP-2023-11 signed resolution 111623 (PDF)

RESULT:	**APPROVED [UNANIMOUS]**
MOVER:	Dal Giuliani, Board Member
SECONDER:	Michael Chmiel, Board Member
AYES:	Gilmour, Chmiel, Gill, Giuliani, Penberthy, Raffaele Jr., Kahn

Amended October 12, 2023

TOWN OF AMHERST PLANNING DEPARTMENT

Application for Planned Unit Development (PUD) 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

PUD Plan Review fees to be determined

To Be Completed By Applicant

Petitioner:

Name: Town of Amherst Town Board

Address: Town of Amherst

5583 Main Street

Williamsville NY 14221

city state zip code

Phone: 716-631-7051 Fax: _____

E Mail: planningemail@amherst.ny.us

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

Name: Daniel C. Howard, AICP, Planning Director

Address: Town of Amherst

5583 Main Street

Williamsville, NY 14221

city state zip code

Phone: 716-631-7051 Fax: _____

E Mail: dhoward@amherst.ny.us

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

PLANNED UNIT DEVELOPMENT (PUD) APPLICATION (con't) Page 2

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

Address: 772 North Forest, 385 Maple Road, 391 Maple Road

Williamsville, NY

SBL No(s): 68.01-1-1.2, 55.18-4-9 & 55.18-4-10

Project Name: Amherst Central Park

Project Description:

Adoption of a conceptual development plan for a planned unit development for the conversion of a former private golf course to a community park to include cultural, recreational and civic public spaces on an approximately 170.5 +/- acre parcel (see attached description)

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):

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

PLANNED UNIT DEVELOPMENT (PUD) APPLICATION (con't) Page 3

	existing	proposed	total
Gross Floor Area (non-residential):	13,411 sf	175,077 sf	188,488 sf
Gross Floor Area Residential:	0	0	0
Number of Residential Units:	0	0	0
Number of Parking Spaces:	240	323	563

Acreage of Parcel: 170.5 +/- acres

(list each parcel separately)

Frontage on Public Roads: 1823.97 feet Sheridan Drive, 887.89 feet North Forest Road

(list each road separately) & 110 feet Maple Road

Existing Zoning District(s) RC- Recreation Conservation

X:\Current_Planning\Application Forms 2021\PUD Application Packet_2023.docx
REVISED July 2023

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Conceptual Development Plan for Amherst Central Park Planned Unit Development

The Town of Amherst Conceptual Development Plan for the Amherst Central Park Planned Unit Development (PUD Plan) proposes the development of a Town Park on 170.55 acres of land on the former Westwood County Club property located at 772 North Forest Road and 385 & 391 Maple Road ("Property"). The future Amherst Central Park is an opportunity to create a beautiful natural community resource for the enjoyment of people of all ages. The Park will provide a place for people to connect and interact in a shared environment and brings intrinsic environmental, civic, and recreation benefits to residents and visitors to the Town.

Background

In November 2017 the Town Board, acting as the Lead Agency, issued a Final Generic Environmental Impact Statement ("FGEIS") for the proposed development of a 170 acre the former Westwood Country Club ("Property"). The FGEIS was prepared in response to an application submitted by the then-owner of the Property, requesting approval to rezone it from Recreation Conservation (RC) District to Traditional Neighborhood Development District (TND), Multi-Family Residential District 7 (MFR-7) and General Business District (GB). The "Westwood Neighborhood Rezoning Application" involved 130 town homes, 180 multi-family residential units, 26 larger patio homes, 57 smaller patio homes, 41 single-family homes, 104 senior independent living units, 130 hotel rooms and finally 212 multi-family residential units in mixed-use buildings.

Following preparation of the FGEIS, the Town Board issued its State Environmental Quality Review (SEQR) Findings Statement on December 11, 2017, and concluded that:

> Consistent with social, economic and other essential considerations from among the reasonable alternatives available, the Project does not avoid or minimize adverse environmental impacts to the maximum extent practicable, and that adverse impacts will not be avoided or minimized to the maximum extent practicable by incorporating as conditions to the decision those mitigative measures that were identified as practicable.

The rezoning application was denied.

Since that time, the Town of Amherst has purchased the property and through planning and public input has prepared a proposed Conceptual Development Plan for the Amherst Central Park. The Town Board has prepared an Application for the Property to be subject to a Planned Unit Development to implement the Conceptual Development Plan.

The Amherst Central Park PUD Plan

The proposed Town of Amherst Central Park PUD Plan is the product of a multi-year participatory planning process involving municipal leaders, residents, community stakeholders and consultants. The Plan proposes a multi-use park featuring natural resources, a community center for activities related to environmental education, fine arts, active and passive recreation, and historic preservation. The Park will provide a place for people to connect and interact in a shared environment and brings intrinsic environmental, civic, and recreation benefits to residents and visitors to the Town.

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

The area envisioned for the Amherst Central Park has been designated for recreation and open space uses as proposed in the PUD Plan for a long time. As a former Country Club, the Property included golf, tennis, swimming and civic uses associated with its Clubhouse. Recommended as Recreation, Open Space, and Greenways in the Town's Bicentennial Comprehensive Plan (Figure 6), and a component of the Amherst Local Waterfront Revitalization Program (LWRP) Plan (Section 4), the Park, with its location along Ellicott Creek is a featured project for recreation and waterfront enhancement in the Town.

Figure 1 illustrates the proposed Conceptual Development Plan for the PUD. Initial work will begin in the southern portion of the Property. Using an existing entrance with access to North Forest Road and a proposed entrance to Sheridan Drive, the Plan proposes the following features moving from the southeast to the southwest portion of the parcel:

- Ice Ribbon and Ice Rink, approximately 25,000 SF
- Inclusive Playground, approximately 12,500 SF
- Splash Pad, approximately 6,100 SF
- Public Plaza, approximately 20,000 sf, including a Winter Market, approximately 5,000 SF (buildings)
- Renovation of the former clubhouse into a Community Building, approximately 2,500 SF addition to existing (approximately 44,500 SF total at completion, including basement and all floors), to provide services including space for a Universal Pre-Kindergarten (UPK) program
- Outdoor Amphitheater, approximately 3,300 SF
- Community Theater Building, approximately 31,600 SF
- New building for the Buffalo Niagara Heritage Village Museum – approximately 36,000 SF, as well as relocation of historical buildings associated with the museum, totaling approximately 20,000 SF
- Enhancement of an existing wetland as a decorative pond and associated onsite mitigation (if required) and filling or modification of non-regulated wetlands
- Ancillary park improvements such as playgrounds, gardens/greenhouses, pedestrian access/pathways, educational kiosks and access drives as shown conceptually on the PUD Plan
- Construction of required mechanical buildings, public restrooms, parking lots, and supportive utilities such as storm sewers and stormwater management features, sanitary sewers, water, fiber optic cables, electric and natural gas service

The northern portion of Amherst Central Park is planned for natural-passive recreation along with preservation of existing ponds, wetlands and hardwood areas. From the southern portion, moving to the north, a proposed main loop drive provides access to features such as maintained trails and bike paths, natural playgrounds, and a variety of community gardens and tree plantings.

Supplemental Environmental Review

The PUD Plan is subject to review under the SEQR Act. A supplement to the FGEIS (SGEIS) is required because, pursuant to 6 NYCRR 617.10(d)(4), "[t]he subsequent proposed action was not addressed or was

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

not adequately addressed in the Generic EIS and the subsequent action may have one or more significant adverse environmental impacts." The Town has prepared a Part 1 Environmental Assessment Form for the Central Park Project, as well as a proposed Part 2 and Part 3 for consideration by the Town Board. There are four potential significant adverse environmental impacts that should be addressed in a supplement to the FGEIS. The following are the four impacts:

1. Impact on land
2. Impact on surface water
3. Impact on transportation
4. Impact on human health

The Town Board will prepare a Supplement FGEIS for the four items requiring further analysis. It should be noted that in light of the prior SEQRA analysis for the Property, and public outreach, the Town Board may decide to waive scoping for the preparation of the Supplemental FGEIS. As part of the planned unit development process, both the Planning Board and the Town Board will be holding public hearings on the PUD Plan Application.

Amherst Central Park Facility Improvements Review Process

The Town is developing the Park pursuant to the Planned Unit Development (PUD) Process set forth in Section 6-9 of the Zoning Code, as the Property is in excess of 30 acres. As set forth in Zoning Code 6-9-1, the purpose of the PUD Process is to permit coordinated development that allows flexibility to respond to market demands. Pursuant to Zoning Code 6-9-2, the Town Board intends to adjust the regulations, standards and criteria of the Zoning Ordinance as part of the PUD Process for the Amherst Central Park to implement the Conceptual Development Plan and future improvements that are not part of the Conceptual Development Plan. Figure 2 on the following page sets forth the process for developing, approving and implementing the improvements in Amherst Central Park.

As part of the development of the Amherst Central Park, the Town Board will establish an Amherst Central Park (ACP) Planning Team, which will include, but not be limited to, the Director of Facilities, the Town Engineer, Town Architect, Building Commissioner, Planning Director, and Police/Fire Representative.

The Amherst Central Park (ACP) Facility Improvement Review Process depicted in figure 2 is described in more detail below.

1. The Director of Facilities will initiate planning for a Park improvement, which may commence through his or her own initiative; through specific direction by the Town Board; through implementation of projects previously approved by the Board or set forth in the Town's Capital Improvement Program (CIP).
2. Once the concept has been initiated, the Director of Facilities will direct the ACP Planning Team to commence planning and design of the improvement.
3. The Director of Facilities will work with the Planning Director to determine the level of review necessary (major or minor) and prepare a Facilities Improvement Plan application ("ACP Application") for the ACP Planning Team to review.

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Proposed Amherst Central Park (ACP) Facility Improvement Review Process

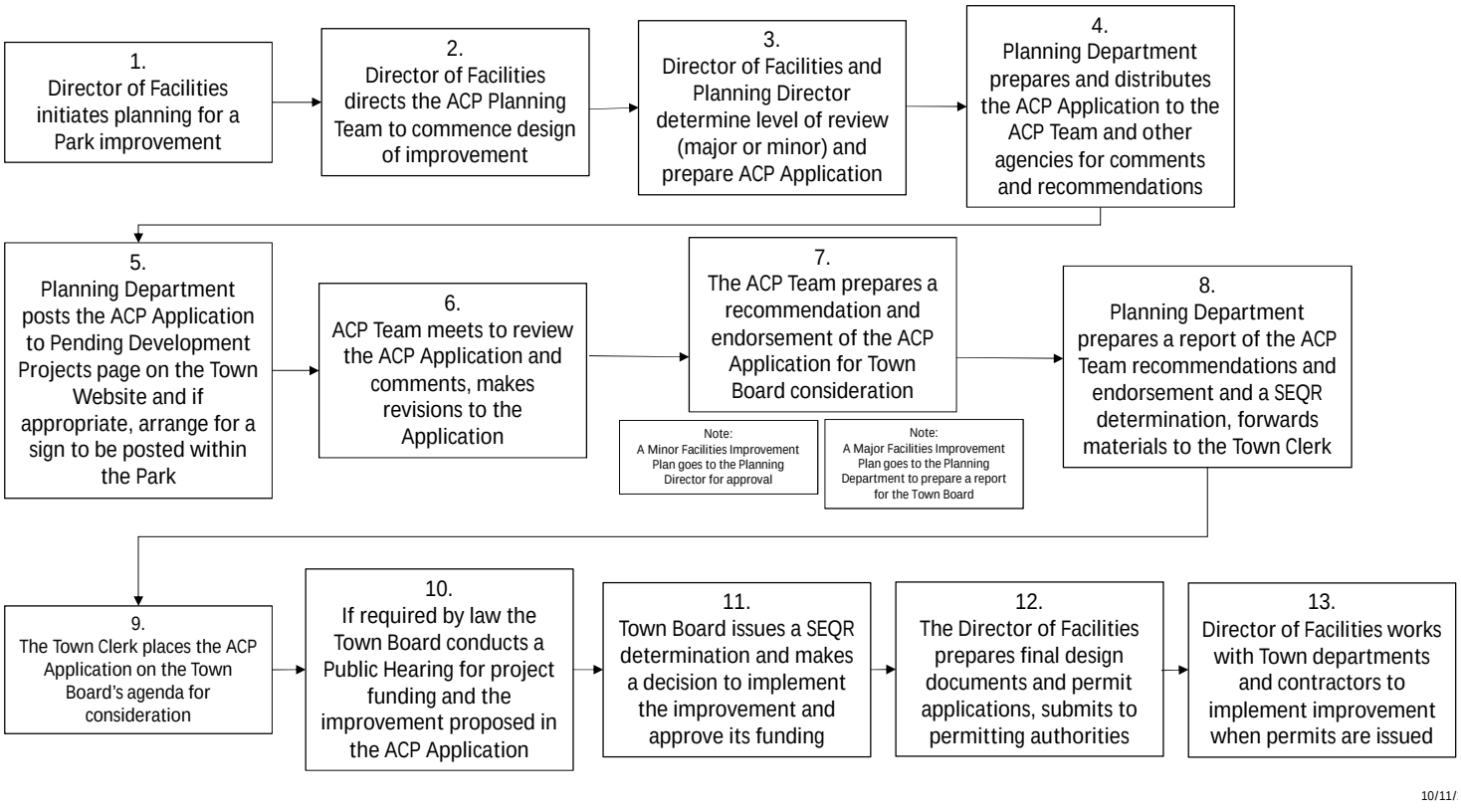


Figure 2

4. The Planning Department will prepare and distribute the ACP Application to the ACP Planning Team, and other agencies as appropriate, for comments and recommendations.

5. The Planning Department will post the ACP Application to its Pending Development Projects page on the Town Website and, if appropriate, arrange to post a sign with notice of the improvement within the Park.

6. The ACP Planning Team will meet to review the ACP Application and comments received, and, if necessary, makes revisions to the ACP Application based upon the comments received.

7. The ACP Planning Team will prepare a recommendation and endorsement in support of the ACP Application for consideration by the Town Board.

8. The Planning Department prepares a report of the ACP Team recommendations and endorsement and a SEQR determination, forwards materials to the Town Clerk.

9. The Town Clerk will place the ACP Application on the Town Board's agenda for consideration.

10. If required by law, the Town Board will conduct a Public Hearing for project funding and the improvement proposed in the ACP Application.

11. The Town Board will issue a SEQRA determination and makes a decision whether to proceed with approving and implementing the improvement set forth in the ACP Application and its funding.

12. The Director of Facilities will prepare final design documents and appropriate permitting applications, submits materials to the permitting authority.

13. Director of Facilities will work with appropriate Town Departments and contractors to implement the improvement once the permitting authorities issue the necessary permits.

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)



AMHERST
New York

CENTRAL PARK
Concept Plan
October 2, 2023

COMMISSIONED BY
THE TOWN OF AMHERST, N.Y.

Prepared By
DOVER, KOHL & PARTNERS

Modified By
The Town of Amherst

LEGEND

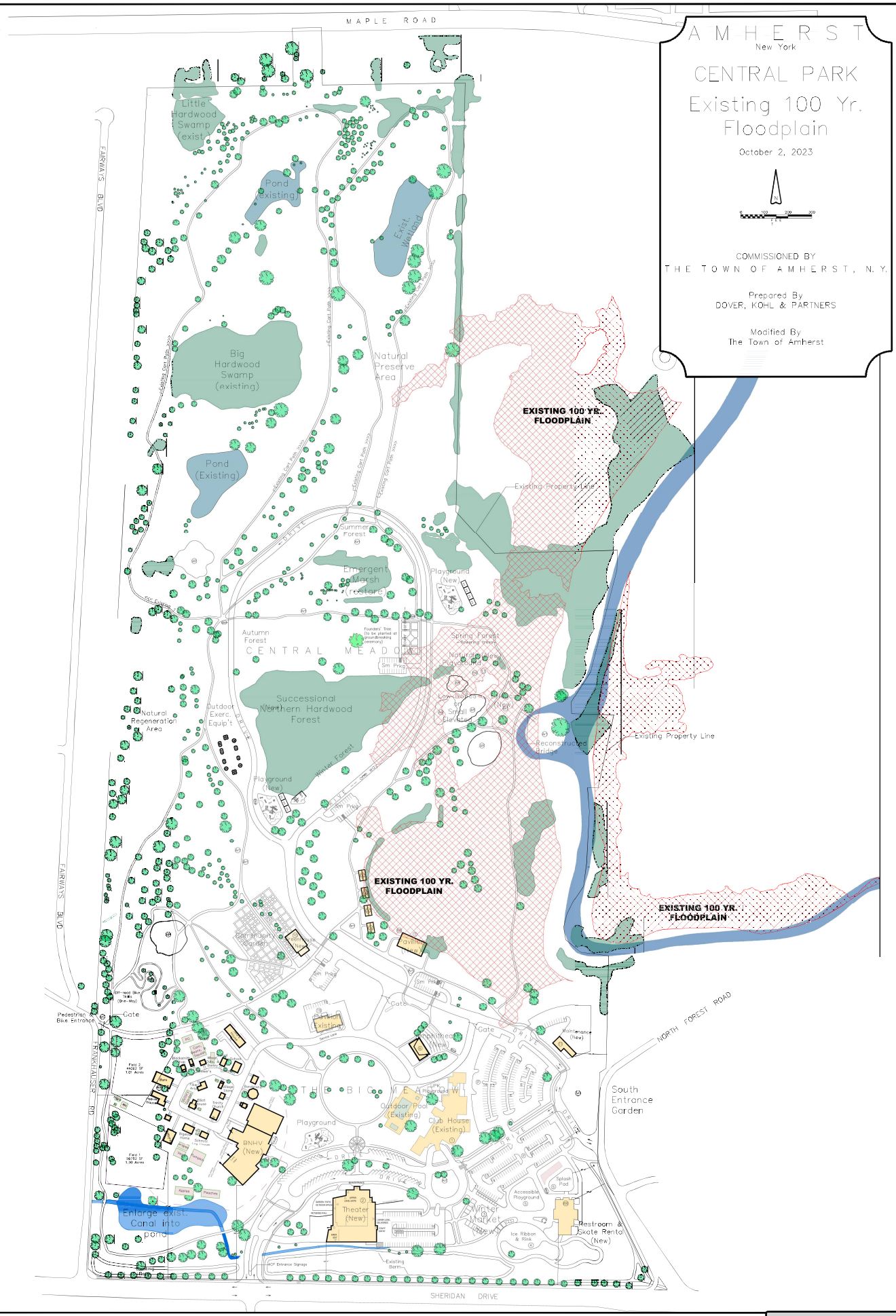
UNIQUE FEATURES
1) Community Building (Former Club House)
2) Music Fare Theater
3) The Winter Market
4) Ice Ribbon + Ice Rink
5) Splash Pad + Inclusive Playground
6) Amphitheater
7) Lake Front Pavilion
8) Outdoor Exercise Equipment (10 Stations)
9) Community Gardens (can be any size)
10) Greenhouse
11) Maintenance Area
12) Low Ropes Course or suspended bridges
13) Sheltered Bus Stop (at South Entrance)
14) Buffalo Niagara Heritage Village (Relocated)
15) Multi-use Pavilion

Multiple Features
- (PG) Playground (Conventional Equipment)
- (PN) Playground (Natural)
- (RR) Restrooms
- (SH) Rooted Open Air Shelters
- (OC) Outdoor Classrooms
- (AR) Public Art / Sculpture Sites
- (BT) Off-road Bike Trails, 4-feet wide, dirt
- (AR) Accentuated Rise (mounded hills)
- (GA) Minor Entrance Gates
- (BRX) Bicycle Parking Racks (size to be determined)

Existing Deciduous
Existing Tree Canopy
Existing Water
Proposed Marsh / Water

Figure 1

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)



Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

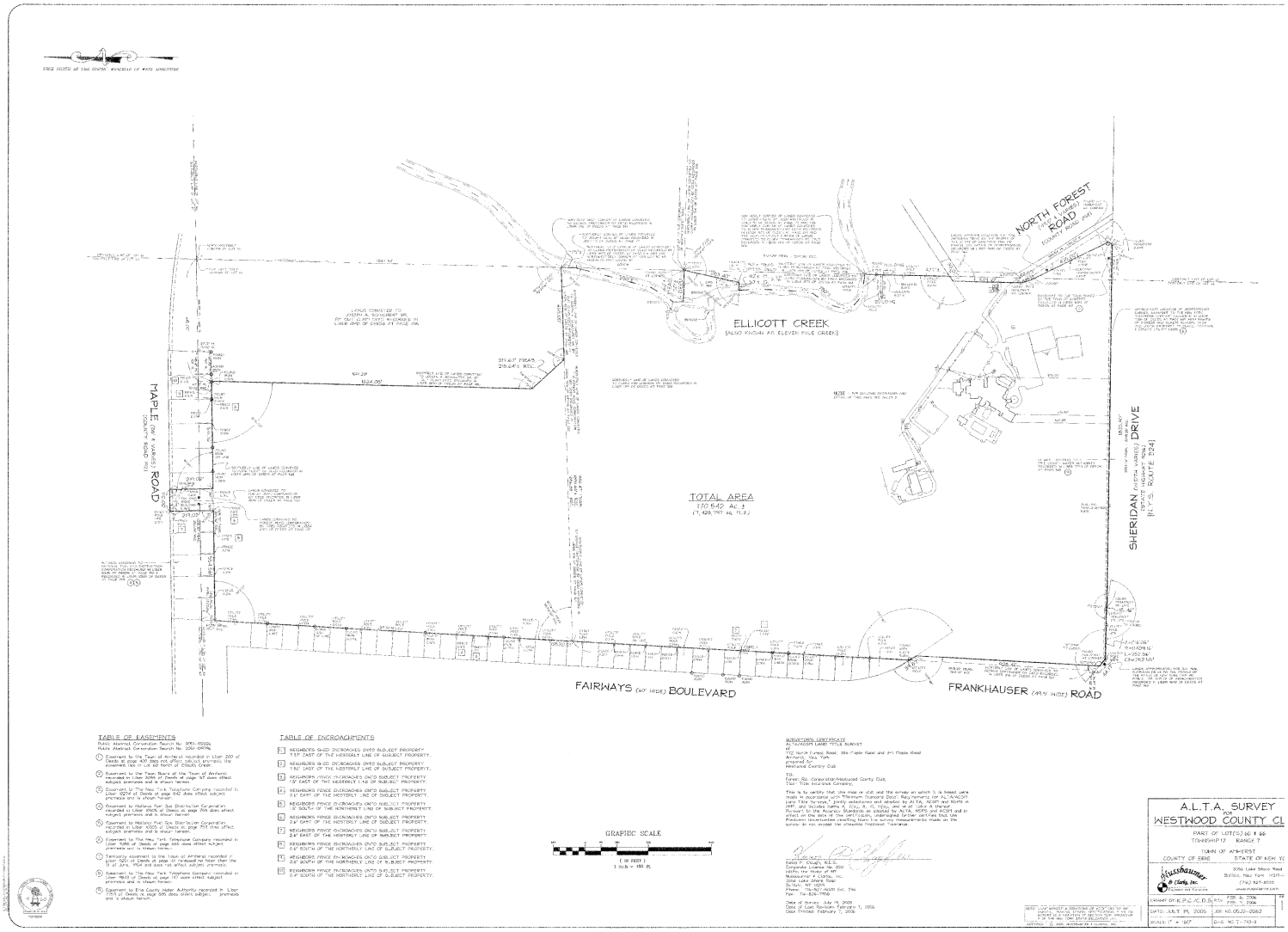


TABLE OF EASEMENTS

Public Abstract Corporation Search No. 3761-150326
Public Abstract Corporation Search No. 3761-041716

1. Easement to the Town of Amherst recorded in Liber 200 of Deeds at page 401 does not affect subject, however the easement lies in Lot 60 North of Ellicott Creek
2. Easement to the Town Board of the Town of Amherst recorded in Liber 1000 of Deeds at page 97 does affect subject premises and is shown hereon
3. Easement to The New York Telephone Company recorded in Liber 10274 of Deeds at page 342 does affect subject premises and is shown hereon
4. Easement to Niagara Fuel Gas Distribution Corporation recorded in Liber 10605 of Deeds at page 799 does affect subject premises and is shown hereon
5. Easement to Niagara Fuel Gas Distribution Corporation recorded in Liber 10605 of Deeds at page 793 does affect subject premises and is shown hereon
6. Easement to The New York Telephone Company recorded in Liber 5286 of Deeds at page 468 does affect subject premises and is shown hereon
7. Temporary easement to the Town of Amherst recorded in Liber 9251 of Deeds at page 61 released no later than the 31 of June. Plat and date not affect subject premises
8. Easement to The New York Telephone Company recorded in Liber 9803 of Deeds at page 157 does affect subject premises and is shown hereon
9. Easement to Erie County Water Authority recorded in Liber 7751 of Deeds a page 595 does affect subject premises and is shown hereon

TABLE OF ENCROACHMENTS

A. NEIGHBORS SHED ENCROACHES ONTO SUBJECT PROPERTY 7.57' EAST OF THE NORTHERLY LINE OF SUBJECT PROPERTY.
B. NEIGHBORS SHED ENCROACHES ONTO SUBJECT PROPERTY 7.92' EAST OF THE NORTHERLY LINE OF SUBJECT PROPERTY.
C. NEIGHBORS FENCE ENCROACHES ONTO SUBJECT PROPERTY 0.9' EAST OF THE NORTHERLY LINE OF SUBJECT PROPERTY.
D. NEIGHBORS FENCE ENCROACHES ONTO SUBJECT PROPERTY 0.8' EAST OF THE NORTHERLY LINE OF SUBJECT PROPERTY.
E. NEIGHBORS FENCE ENCROACHES ONTO SUBJECT PROPERTY 1.0' SOUTH OF THE NORTHERLY LINE OF SUBJECT PROPERTY.
F. NEIGHBORS FENCE ENCROACHES ONTO SUBJECT PROPERTY 0.8' EAST OF THE NORTHERLY LINE OF SUBJECT PROPERTY.
G. NEIGHBORS FENCE ENCROACHES ONTO SUBJECT PROPERTY 2.8' EAST OF THE NORTHERLY LINE OF SUBJECT PROPERTY.
H. NEIGHBORS FENCE ENCROACHES ONTO SUBJECT PROPERTY 0.6' SOUTH OF THE NORTHERLY LINE OF SUBJECT PROPERTY.
I. NEIGHBORS FENCE ENCROACHES ONTO SUBJECT PROPERTY 0.8' SOUTH OF THE NORTHERLY LINE OF SUBJECT PROPERTY.
J. NEIGHBORS FENCE ENCROACHES ONTO SUBJECT PROPERTY 0.4' SOUTH OF THE NORTHERLY LINE OF SUBJECT PROPERTY.

SURVEYOR'S CERTIFICATE
TO: ALTA/ACSM LAND TITLE SURVEY
772 North Forest Road, 964 Maple Road and 911 Maple Road
Amherst, New York
prepared for:
Amherst Country Club

TO:
Title Risk Corporation/Westwood Country Club,
Titan Title Insurance Company;

This is to certify that this map or plat and the survey on which it is based were made in accordance with "Minimum Standard Detail Requirements for ALTA/ACSM Land Title Surveys," jointly established and adopted by ALTA, NSPS and ACSM in 2021, and includes Items 1, 2(a), 3, 4, 7(a), 8(a), and 9 of Table A thereof. Pursuant to the Accuracy Standards as adopted by ALTA, NSPS and ACSM and in effect on the date of this certification, undersigned further certifies that the Positional Uncertainties resulting from the survey measurements made on the survey do not exceed the allowable Positional Tolerance.

Date of Survey: July 19, 2005
Date of Last Revision: February 7, 2006
Date Printed: February 7, 2006

A.L.T.A. SURVEY
FOR
WESTWOOD COUNTY CL
PART OF LOT(S) 60 & 66
TOWNSHIP 12 RANGE 7
TOWN OF AMHERST
COUNTY OF ERIE STATE OF NEW YO

Nussbaumer & Clarke, Inc.
9756 Lake Shore Road
Buffalo, New York 14219
(716) 821-8233
www.nussbaumerclarke.com

DRAWN BY: K.P.S./C.D.S. REV. FEB. 9, 2006
FEB. 7, 2006
DATE: JULY 19, 2005 JOB NO. 05-32-2062
SCALE: 1" = 150' D-G NO. T-710-4

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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: Amherst Central Park		
Project Location (describe, and attach a general location map): Property located at 772 North Forest Road, 385 & 391 Maple Road		
Brief Description of Proposed Action (include purpose or need): Adoption of a conceptual development plan for a planned unit development for the conversion of a former private golf course to a community park to include cultural, recreational and civic public spaces on an approximately 170.5 +/- acre parcel.		
Name of Applicant/Sponsor: Town of Amherst	Telephone: (716) 631-7051 E-Mail:	
Address: 5583 Main Street		
City/PO: Williamsville	State: NY	Zip Code: 14221
Project Contact (if not same as sponsor; give name and title/role): Daniel C. Howard, AICP, Planning Director	Telephone: (716) 631-7051 E-Mail: dhoward@amherst.ny.us	
Address: 5583 Main Street		
City/PO: Williamsville	State: NY	Zip Code: 14221
Property Owner (if not same as sponsor):	Telephone: E-Mail:	
Address:		
City/PO:	State:	Zip Code:

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B. Government Approvals

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

Government Entity	If Yes: Identify Agency and Approval(s) Required	Application Date (Actual or projected)
a. City Counsel, Town Board, or Village Board of Trustees ☑Yes ☐No	Town Board	October 2023
b. City, Town or Village Planning Board or Commission ☑Yes ☐No	Planning Board (PUD recommendation)	TBD
c. City, Town or Village Zoning Board of Appeals ☐Yes ☑No		
d. Other local agencies ☑Yes ☐No	Amherst Building Department - Construction permits	TBD
e. County agencies ☑Yes ☐No	Erie County Dept of Environment and Planning 239GML & ECDPW - ROW permits	October 2023
f. Regional agencies ☐Yes ☑No		
g. State agencies ☑Yes ☐No	NYSDOT - ROW permit NYSDEC - SPDES and wetland permits	TBD
h. Federal agencies ☑Yes ☐No	US Army Corps of Engineers -CWA 404	TBD

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):

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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?
RC- Recreation Conservation

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? no zoning district change, however, adjustments are proposed as part of the PUD application

C.4. Existing community services.

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

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?
Snyder Fire District, Millard FIllmore Suburban Hospital

d. What parks serve the project site?
Town of Amherst Audubon Golf Course, Town of Amherst Northtown Center (Ice Rink) & Recreation Complex (Athletic Fields), Town of Amherst Par 3 Golf Course, Town of Amherst Ellicott Creek Trailway (bike path and tennis courts)

D. Project Details

D.1. Proposed and Potential Development

a. What is the general nature of the proposed action (e.g., residential, industrial, commercial, recreational; if mixed, include all components)? Mixed - Recreation, Civic, Community Facility, Commercial

b. a. Total acreage of the site of the proposed action? 170.5 acres
b. Total acreage to be physically disturbed? 17+/- acres
c. Total acreage (project site and any contiguous properties) owned or controlled by the applicant or project sponsor? 170.5 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 TBD
- Anticipated commencement date of phase 1 (including demolition) June month 2024 year
- Anticipated completion date of final phase June month 2034 year
- Generally describe connections or relationships among phases, including any contingencies where progress of one phase may determine timing or duration of future phases:
The southern portion of the project site will be completed first, which will have the most intensive development with recreation, community and civic facilities.

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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 11+/-new plus 20 +/- relocated structures

ii. Dimensions (in feet) of largest proposed structure: 40 height; 150 width; and 200 length

iii. Approximate extent of building space to be heated or cooled: 30,000 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: creation of decorative pond

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: 937.79 million gallons; surface area: 0.96 acres

v. Dimensions of the proposed dam or impounding structure: 3 height; 450+/- length

vi. Construction method/materials for the proposed dam or impounding structure (e.g., earth fill, rock, wood, concrete):
excavation of existing town drainage way

D.2. Project Operations

a. Does the proposed action include any excavation, mining, or dredging, during construction, operations, or both? ☑ Yes ☐ No
(Not including general site preparation, grading or installation of utilities or foundations where all excavated materials will remain onsite)

If Yes:

i .What is the purpose of the excavation or dredging? Removal of soil for buildings and pond construction

ii. How much material (including rock, earth, sediments, etc.) is proposed to be removed from the site?

- Volume (specify tons or cubic yards): TBD
- Over what duration of time? TBD

iii. Describe nature and characteristics of materials to be excavated or dredged, and plans to use, manage or dispose of them. Will there be onsite dewatering or processing of excavated materials? 9 Yes 9 No If yes, describe. removal of existing natural soil strata and historical soil fill material from golf course construction. Management and off site disposal of any soils will be under the appropriate oversight of NYS DEC. ☐ ☑

iv.

v. What is the total area to be dredged or excavated? TBD acres

vi. What is the maximum area to be worked at any one time? TBD acres

vii. What would be the maximum depth of excavation or dredging? TBD feet

viii. Will the excavation require blasting? ☐ Yes ☑ No

ix. Summarize site reclamation goals and plan:
site to be reclaimed for passive and active recreation.

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): see isolated wetlands and unregulated tributaries in the delineation report prepared by Earth Dimensions, Inc. dated June12, 2023

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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:

The Town will alter the wetlands identified as wetland W11 and W12 to accommodate the location of a theater and museum building. Tributary 3 will be also be altered. These water bodies will be altered to accommodate stormwater detention and a decorative pond.

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

If Yes, describe: construction of a decorative pond may disturb existing sediments in tributary 3

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: _____

Disturbed area will be reclaimed to a decorative pond in the southwest corner of the initial project area.

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: 100,000 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: Town of Amherst/ECWA Lease Management Area
- Does the existing public water supply have capacity to serve the proposal? ☑ Yes ☐ No
- Is the project site in the existing district? ☑ Yes ☐ No
- Is expansion of the district needed? ☐ Yes ☑ No
- Do existing lines serve the project site? ☑ Yes ☐ No

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

If Yes:

- Describe extensions or capacity expansions proposed to serve this project: building service lines and a new main extension will be constructed to service the buildings.
- 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: N/A
- Date application submitted or anticipated: N/A
- Proposed source(s) of supply for new district: N/A

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: 80,000 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 will be generated, including splash pad spray to drain system and backwash water for swimming pool

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 Plant #16
- Name of district: Town of Amherst Consolidated 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

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- 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: A sanitary main extension will be constructed to service the site with individual laterals for each new occupied buildings.

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

If Yes:

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

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):

N/A

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

N/A

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 16.85 acres (impervious surface)

_____ Square feet or 170.5 acres (parcel size)

ii. Describe types of new point sources. The creation of new parking lots, impervious park spaces, paved pathways, Town facilities, landscaped/manicured lawn spaces and park/access roads.

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)?

Site runoff will be captured and treated in source proximity before being conveyed through a piped tiered system to a storm detention pond for additional treatment and attenuation. Ultimately, runoff will be discharged to Ellicott Creek.

- If to surface waters, identify receiving water bodies or wetlands: Ellicott Creek, Wetland W11 and tributary 3
- 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)

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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 240 Proposed 563 Net increase/decrease + 323

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:

The project site consists of improving the entry off of North Forest Road and adding a driveway along Sheridan Drive.

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: _____

TBD

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

National Grid (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: 7am to 7pm
- Saturday: 7am to 7pm
- Sunday: _____
- Holidays: _____

ii. During Operations:

- Monday - Friday: available 24 hours
- Saturday: available 24 hours
- Sunday: available 24 hours
- Holidays: available 24 hours

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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:

Heavy equipment will be used on site during construction during 7am to 7pm Monday through Friday.

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

Describe: The intent is to keep natural buffers intact between land uses.

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:

The project will consist of parking lot and street lighting as per Town of Amherst Engineering road standards and Zoning Code requirements per Chapter 203-7-3.

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:

The proposed Buffalo Niagara Heritage Village museum will have outdoor living displays ,which may include livestock and poultry. Such displays will be 150'+/- from the nearest occupied structures to the west of the project site.

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):

During operation, pesticide use may include routine rodent baiting associated with food service operations.
During operation, limited herbicide use may be utilized to control invasive weed growth.

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: building materials waste tons per TBD (unit of time)
- Operation : refuse/food wastes tons per TBD (unit of time)

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

- Construction: TBD
- Operation: source separation of recyclables

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

- Construction: TBD
- Operation: Solid waste landfill

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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

Unknown if hazardous waste will be generated as part of construction remediation activities. If yes, hazardous materials will be disposed of at a hazardous waste facility with concurrence of NYSDEC.

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): Municipal Facility, Recreation and Utilities

ii. If mix of uses, generally describe:

The project site was operated as a private golf course surrounded predominantly by residential housing. The Town's Highway Department is located to the east and the Town Audubon and Par 3 golf courses are located to the north of the property. Within close proximity are commercial land uses.

b. Land uses and covertypes on the project site.

Land use or Covertype	Current Acreage	Acreage After Project Completion	Change (Acres +/-)
• Roads, buildings, and other paved or impervious surfaces	8.66	25.51	16.85
• Forested	14.97	14.97	0
• Meadows, grasslands or brushlands (non-agricultural, including abandoned agricultural)	136.66	109.21	-27.45
• Agricultural (includes active orchards, field, greenhouse etc.)	0	0	0
• Surface water features (lakes, ponds, streams, rivers, etc.)	3.34	4.3	+0.96
• Wetlands (freshwater or tidal)	10.26	10.09	-0.17
• Non-vegetated (bare rock, earth or fill)	0	0	0
• Other Describe: _____			

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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:
Maplemere Elementary School

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:
soil contaminates have been identified on the site associated with the use of herbicides and pesticides when operated as a golf course by prior owners.

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): C915291
☐ 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): C915291, C915207

iv. If yes to (i), (ii) or (iii) above, describe current status of site(s):

Brownfield site C915291 was terminated from the NYS Brownfield Program in April 2023 by notice of the transfer of the Property to the Town of Amherst. Adjacent site C915207 is "completed" per the NYSDEC Site Registry.

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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? >80 inches 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:

Odessa (silt loam)	38 %
Claverack (loamy fine)	18 %
Cosad (loamy fine sand)	15 %

d. What is the average depth to the water table on the project site? Average: 0.5-1.5 feet

e. Drainage status of project site soils:
☐ Well Drained: _____ % of site
☑ Moderately Well Drained: 90 % of site
☑ Poorly Drained 10 % 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 837-25 Ellicott Creek Classification B
- Lakes or Ponds: Name _____ Classification _____
- Wetlands: Federal Waters, Federal Waters, Federal Waters,... 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:
Name - Pollutants - Uses:Ellicott Creek, Lower, and tribs – Nutrients;Silt/Sediment – 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: _____

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m. Identify the predominant wildlife species that occupy or use the project site:
deer, rabbits, squirrels, mice
turkeys
red fox, coyotes

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: _____

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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: Eligible property:829 NORTH FOREST RD, AMHERST

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 Daniel C. Howard, AICP Date October 2, 2023

Signature _____ Title Planning Director

PRINT FORM

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EAF Mapper Summary Report

Friday, August 18, 2023 2:08 PM



Disclaimer: The EAF Mapper is a screening tool intended to assist project sponsors and reviewing agencies in preparing an environmental assessment form (EAF). Not all questions asked in the EAF are answered by the EAF Mapper. Additional information on any EAF question can be obtained by consulting the EAF Workbooks. Although the EAF Mapper provides the most up-to-date digital data available to DEC, you may also need to contact local or other data sources in order to obtain data not provided by the Mapper. Digital data is not a substitute for agency determinations.



B.i.i [Coastal or Waterfront Area]	No
B.i.ii [Local Waterfront Revitalization Area]	No
C.2.b. [Special Planning District]	Yes - Digital mapping data are not available for all Special Planning Districts. Refer to EAF Workbook.
C.2.b. [Special Planning District - Name]	Remediaton Sites:C915291, NYS Heritage Areas:West Erie Canal Corridor
E.1.h [DEC Spills or Remediation Site - Potential Contamination History]	Yes - Digital mapping data for Spills Incidents are not available for this location. Refer to EAF Workbook.
E.1.h.i [DEC Spills or Remediation Site - Listed]	Yes
E.1.h.i [DEC Spills or Remediation Site - Environmental Site Remediation Database]	Yes
E.1.h.i [DEC Spills or Remediation Site - DEC ID Number]	C915291
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]	C915291, C915207
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]	837-25
E.2.h.iv [Surface Water Features - Stream Classification]	B
E.2.h.iv [Surface Water Features - Wetlands Name]	Federal Waters

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E.2.h.v [Impaired Water Bodies]	Yes
E.2.h.v [Impaired Water Bodies - Name and Basis for Listing]	Name - Pollutants - Uses:Ellicott Creek, Lower, and tribs – Nutrients;Silt/Sediment – Aquatic Life
E.2.i. [Floodway]	Yes
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]	Yes - Digital mapping data for archaeological site boundaries are not available. Refer to EAF Workbook.
E.3.e.ii [National or State Register of Historic Places or State Eligible Sites - Name]	Eligible property:829 NORTH FOREST RD, AMHERST
E.3.f. [Archeological Sites]	Yes
E.3.i. [Designated River Corridor]	No

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Agency Use Only [If applicable]

Project : ACP - PUD Application

Date : 10/2/2023

Full Environmental Assessment Form
Part 2 - Identification of Potential Project Impacts

Part 2 is to be completed by the lead agency. Part 2 is designed to help the lead agency inventory all potential resources that could be affected by a proposed project or action. We recognize that the lead agency's reviewer(s) will not necessarily be environmental professionals. So, the questions are designed to walk a reviewer through the assessment process by providing a series of questions that can be answered using the information found in Part 1. To further assist the lead agency in completing Part 2, the form identifies the most relevant questions in Part 1 that will provide the information needed to answer the Part 2 question. When Part 2 is completed, the lead agency will have identified the relevant environmental areas that may be impacted by the proposed activity.

If the lead agency is a state agency **and** the action is in any Coastal Area, complete the Coastal Assessment Form before proceeding with this assessment.

Tips for completing Part 2:

- Review all of the information provided in Part 1.
- Review any application, maps, supporting materials and the Full EAF Workbook.
- Answer each of the 18 questions in Part 2.
- If you answer "**Yes"** to a numbered question, please complete all the questions that follow in that section.
- If you answer "**No"** to a numbered question, move on to the next numbered question.
- Check appropriate column to indicate the anticipated size of the impact.
- Proposed projects that would exceed a numeric threshold contained in a question should result in the reviewing agency checking the box "Moderate to large impact may occur."
- The reviewer is not expected to be an expert in environmental analysis.
- If you are not sure or undecided about the size of an impact, it may help to review the sub-questions for the general question and consult the workbook.
- When answering a question consider all components of the proposed activity, that is, the "whole action".
- Consider the possibility for long-term and cumulative impacts as well as direct impacts.
- Answer the question in a reasonable manner considering the scale and context of the project.

1. Impact on Land

Proposed action may involve construction on, or physical alteration of, the land surface of the proposed site. (See Part 1. D.1) ☐ NO ☑ YES

If "Yes", answer questions a - j. If "No", move on to Section 2.

	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. The proposed action may involve construction on land where depth to water table is less than 3 feet.	E2d	☑	☐
b. The proposed action may involve construction on slopes of 15% or greater.	E2f	☑	☐
c. The proposed action may involve construction on land where bedrock is exposed, or generally within 5 feet of existing ground surface.	E2a	☑	☐
d. The proposed action may involve the excavation and removal of more than 1,000 tons of natural material.	D2a	☐	☑
e. The proposed action may involve construction that continues for more than one year or in multiple phases.	D1e	☑	☐
f. The proposed action may result in increased erosion, whether from physical disturbance or vegetation removal (including from treatment by herbicides).	D2e, D2q	☑	☐
g. The proposed action is, or may be, located within a Coastal Erosion hazard area.	B1i	☑	☐
h. Other impacts: _____ _____		☐	☐

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2. Impact on Geological Features

The proposed action may result in the modification or destruction of, or inhibit access to, any unique or unusual land forms on the site (e.g., cliffs, dunes, minerals, fossils, caves). (See Part 1. E.2.g)

☑ NO ☐ YES

If "Yes", answer questions a - c. If "No", move on to Section 3.

	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. Identify the specific land form(s) attached: _____ _____	E2g	☐	☐
b. The proposed action may affect or is adjacent to a geological feature listed as a registered National Natural Landmark. Specific feature: _____	E3c	☐	☐
c. Other impacts: _____ _____		☐	☐

3. Impacts on Surface Water

The proposed action may affect one or more wetlands or other surface water bodies (e.g., streams, rivers, ponds or lakes). (See Part 1. D.2, E.2.h)

☐ NO ☑ YES

If "Yes", answer questions a - l. If "No", move on to Section 4.

	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. The proposed action may create a new water body.	D2b, D1h	☐	☑
b. The proposed action may result in an increase or decrease of over 10% or more than a 10 acre increase or decrease in the surface area of any body of water.	D2b	☑	☐
c. The proposed action may involve dredging more than 100 cubic yards of material from a wetland or water body.	D2a	☑	☐
d. The proposed action may involve construction within or adjoining a freshwater or tidal wetland, or in the bed or banks of any other water body.	E2h	☑	☐
e. The proposed action may create turbidity in a waterbody, either from upland erosion, runoff or by disturbing bottom sediments.	D2a, D2h	☐	☑
f. The proposed action may include construction of one or more intake(s) for withdrawal of water from surface water.	D2c	☑	☐
g. The proposed action may include construction of one or more outfall(s) for discharge of wastewater to surface water(s).	D2d	☑	☐
h. The proposed action may cause soil erosion, or otherwise create a source of stormwater discharge that may lead to siltation or other degradation of receiving water bodies.	D2e	☑	☐
i. The proposed action may affect the water quality of any water bodies within or downstream of the site of the proposed action.	E2h	☑	☐
j. The proposed action may involve the application of pesticides or herbicides in or around any water body.	D2q, E2h	☑	☐
k. The proposed action may require the construction of new, or expansion of existing, wastewater treatment facilities.	D1a, D2d	☑	☐

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l. Other impacts: _____ _____		☐	☐

4. Impact on groundwater

The proposed action may result in new or additional use of ground water, or may have the potential to introduce contaminants to ground water or an aquifer. (See Part 1. D.2.a, D.2.c, D.2.d, D.2.p, D.2.q, D.2.t)

☐ NO ☑ YES

If "Yes", answer questions a - h. If "No", move on to Section 5.

	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. The proposed action may require new water supply wells, or create additional demand on supplies from existing water supply wells.	D2c	☑	☐
b. Water supply demand from the proposed action may exceed safe and sustainable withdrawal capacity rate of the local supply or aquifer. Cite Source: _____	D2c	☑	☐
c. The proposed action may allow or result in residential uses in areas without water and sewer services.	D1a, D2c	☑	☐
d. The proposed action may include or require wastewater discharged to groundwater.	D2d, E2l	☑	☐
e. The proposed action may result in the construction of water supply wells in locations where groundwater is, or is suspected to be, contaminated.	D2c, E1f, E1g, E1h	☑	☐
f. The proposed action may require the bulk storage of petroleum or chemical products over ground water or an aquifer.	D2p, E2l	☑	☐
g. The proposed action may involve the commercial application of pesticides within 100 feet of potable drinking water or irrigation sources.	E2h, D2q, E2l, D2c	☑	☐
h. Other impacts: _____ _____		☐	☐

5. Impact on Flooding

The proposed action may result in development on lands subject to flooding. (See Part 1. E.2)

☐ NO ☑ YES

If "Yes", answer questions a - g. If "No", move on to Section 6.

	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. The proposed action may result in development in a designated floodway.	E2i	☑	☐
b. The proposed action may result in development within a 100 year floodplain.	E2j	☑	☐
c. The proposed action may result in development within a 500 year floodplain.	E2k	☑	☐
d. The proposed action may result in, or require, modification of existing drainage patterns.	D2b, D2e	☑	☐
e. The proposed action may change flood water flows that contribute to flooding.	D2b, E2i, E2j, E2k	☑	☐
f. If there is a dam located on the site of the proposed action, is the dam in need of repair, or upgrade?	E1e	☑	☐

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g. Other impacts: _____ _____		☐	☐

6. Impacts on Air

The proposed action may include a state regulated air emission source. (See Part 1. D.2.f., D.2.h, D.2.g) ☑NO ☐YES

If "Yes", answer questions a - f. If "No", move on to Section 7.

	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. If the proposed action requires federal or state air emission permits, the action may also emit one or more greenhouse gases at or above the following levels:			
i. More than 1000 tons/year of carbon dioxide (CO_2)	D2g	☐	☐
ii. More than 3.5 tons/year of nitrous oxide (N_2O)	D2g	☐	☐
iii. More than 1000 tons/year of carbon equivalent of perfluorocarbons (PFCs)	D2g	☐	☐
iv. More than .045 tons/year of sulfur hexafluoride (SF_6)	D2g	☐	☐
v. More than 1000 tons/year of carbon dioxide equivalent of hydrochloroflourocarbons (HFCs) emissions	D2g	☐	☐
vi. 43 tons/year or more of methane	D2h	☐	☐
b. The proposed action may generate 10 tons/year or more of any one designated hazardous air pollutant, or 25 tons/year or more of any combination of such hazardous air pollutants.	D2g	☐	☐
c. The proposed action may require a state air registration, or may produce an emissions rate of total contaminants that may exceed 5 lbs. per hour, or may include a heat source capable of producing more than 10 million BTU's per hour.	D2f, D2g	☐	☐
d. The proposed action may reach 50% of any of the thresholds in "a" through "c", above.	D2g	☐	☐
e. The proposed action may result in the combustion or thermal treatment of more than 1 ton of refuse per hour.	D2s	☐	☐
f. Other impacts: _____ _____		☐	☐

7. Impact on Plants and Animals

The proposed action may result in a loss of flora or fauna. (See Part 1. E.2. m.-q.) ☑NO ☐YES

If "Yes", answer questions a - j. If "No", move on to Section 8.

	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. The proposed action may cause reduction in population or loss of individuals of any threatened or endangered species, as listed by New York State or the Federal government, that use the site, or are found on, over, or near the site.	E2o	☐	☐
b. The proposed action may result in a reduction or degradation of any habitat used by any rare, threatened or endangered species, as listed by New York State or the federal government.	E2o	☐	☐
c. The proposed action may cause reduction in population, or loss of individuals, of any species of special concern or conservation need, as listed by New York State or the Federal government, that use the site, or are found on, over, or near the site.	E2p	☐	☐
d. The proposed action may result in a reduction or degradation of any habitat used by any species of special concern and conservation need, as listed by New York State or the Federal government.	E2p	☐	☐

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e. The proposed action may diminish the capacity of a registered National Natural Landmark to support the biological community it was established to protect.	E3c	☐	☐
f. The proposed action may result in the removal of, or ground disturbance in, any portion of a designated significant natural community. Source: _____	E2n	☐	☐
g. The proposed action may substantially interfere with nesting/breeding, foraging, or over-wintering habitat for the predominant species that occupy or use the project site.	E2m	☐	☐
h. The proposed action requires the conversion of more than 10 acres of forest, grassland or any other regionally or locally important habitat. Habitat type & information source: _____ _____	E1b	☐	☐
i. Proposed action (commercial, industrial or recreational projects, only) involves use of herbicides or pesticides.	D2q	☐	☐
j. Other impacts: _____ _____		☐	☐

8. Impact on Agricultural Resources

The proposed action may impact agricultural resources. (See Part 1. E.3.a. and b.) ☑ NO ☐ YES

If "Yes", answer questions a - h. If "No", move on to Section 9.

	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. The proposed action may impact soil classified within soil group 1 through 4 of the NYS Land Classification System.	E2c, E3b	☐	☐
b. The proposed action may sever, cross or otherwise limit access to agricultural land (includes cropland, hayfields, pasture, vineyard, orchard, etc).	E1a, Elb	☐	☐
c. The proposed action may result in the excavation or compaction of the soil profile of active agricultural land.	E3b	☐	☐
d. The proposed action may irreversibly convert agricultural land to non-agricultural uses, either more than 2.5 acres if located in an Agricultural District, or more than 10 acres if not within an Agricultural District.	E1b, E3a	☐	☐
e. The proposed action may disrupt or prevent installation of an agricultural land management system.	El a, E1b	☐	☐
f. The proposed action may result, directly or indirectly, in increased development potential or pressure on farmland.	C2c, C3, D2c, D2d	☐	☐
g. The proposed project is not consistent with the adopted municipal Farmland Protection Plan.	C2c	☐	☐
h. Other impacts: _____		☐	☐

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9. Impact on Aesthetic Resources
The land use of the proposed action are obviously different from, or are in sharp contrast to, current land use patterns between the proposed project and a scenic or aesthetic resource. (Part 1. E.1.a, E.1.b, E.3.h.)
☑ NO ☐ YES
If "Yes", answer questions a - g. If "No", go to Section 10.

	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. Proposed action may be visible from any officially designated federal, state, or local scenic or aesthetic resource.	E3h	☐	☐
b. The proposed action may result in the obstruction, elimination or significant screening of one or more officially designated scenic views.	E3h, C2b	☐	☐
c. The proposed action may be visible from publicly accessible vantage points: i. Seasonally (e.g., screened by summer foliage, but visible during other seasons) ii. Year round	E3h	☐ ☐	☐ ☐
d. The situation or activity in which viewers are engaged while viewing the proposed action is: i. Routine travel by residents, including travel to and from work ii. Recreational or tourism based activities	E3h E2q, E1c	☐ ☐	☐ ☐
e. The proposed action may cause a diminishment of the public enjoyment and appreciation of the designated aesthetic resource.	E3h	☐	☐
f. There are similar projects visible within the following distance of the proposed project: 0-1/2 mile ½ -3 mile 3-5 mile 5+ mile	D1a, E1a, D1f, D1g	☐	☐
g. Other impacts: _____ _____		☐	☐

10. Impact on Historic and Archeological Resources
The proposed action may occur in or adjacent to a historic or archaeological resource. (Part 1. E.3.e, f. and g.)
☐ NO ☑ YES
If "Yes", answer questions a - e. If "No", go to Section 11.

	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. The proposed action may occur wholly or partially within, or substantially contiguous to, any buildings, archaeological site or district which is listed on the National or State Register of Historical 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.	E3e	☑	☐
b. The proposed action may occur wholly or partially within, or substantially contiguous to, an area designated as sensitive for archaeological sites on the NY State Historic Preservation Office (SHPO) archaeological site inventory.	E3f	☑	☐
c. The proposed action may occur wholly or partially within, or substantially contiguous to, an archaeological site not included on the NY SHPO inventory. Source: _____	E3g	☑	☐

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d. Other impacts: _____ _____		☐	☐
e. If any of the above (a-d) are answered "Moderate to large impact may occur", continue with the following questions to help support conclusions in Part 3:			
i. The proposed action may result in the destruction or alteration of all or part of the site or property.	E3e, E3g, E3f	☑	☐
ii. The proposed action may result in the alteration of the property's setting or integrity.	E3e, E3f, E3g, E1a, E1b	☑	☐
iii. The proposed action may result in the introduction of visual elements which are out of character with the site or property, or may alter its setting.	E3e, E3f, E3g, E3h, C2, C3	☑	☐

11. Impact on Open Space and Recreation

The proposed action may result in a loss of recreational opportunities or a reduction of an open space resource as designated in any adopted municipal open space plan.
(See Part 1. C.2.c, E.1.c., E.2.q.)
If "Yes", answer questions a - e. If "No", go to Section 12.

☑ NO ☐ YES

	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. The proposed action may result in an impairment of natural functions, or "ecosystem services", provided by an undeveloped area, including but not limited to stormwater storage, nutrient cycling, wildlife habitat.	D2e, E1b E2h, E2m, E2o, E2n, E2p	☐	☐
b. The proposed action may result in the loss of a current or future recreational resource.	C2a, E1c, C2c, E2q	☐	☐
c. The proposed action may eliminate open space or recreational resource in an area with few such resources.	C2a, C2c E1c, E2q	☐	☐
d. The proposed action may result in loss of an area now used informally by the community as an open space resource.	C2c, E1c	☐	☐
e. Other impacts: _____ _____		☐	☐

12. Impact on Critical Environmental Areas

The proposed action may be located within or adjacent to a critical environmental area (CEA). (See Part 1. E.3.d)
If "Yes", answer questions a - c. If "No", go to Section 13.

☑ NO ☐ YES

	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. The proposed action may result in a reduction in the quantity of the resource or characteristic which was the basis for designation of the CEA.	E3d	☐	☐
b. The proposed action may result in a reduction in the quality of the resource or characteristic which was the basis for designation of the CEA.	E3d	☐	☐
c. Other impacts: _____ _____		☐	☐

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13. Impact on Transportation
The proposed action may result in a change to existing transportation systems. ☐ NO ☑ YES
(See Part 1. D.2.j)
If "Yes", answer questions a - f. If "No", go to Section 14.

	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. Projected traffic increase may exceed capacity of existing road network.	D2j	☑	☐
b. The proposed action may result in the construction of paved parking area for 500 or more vehicles.	D2j	☐	☑
c. The proposed action will degrade existing transit access.	D2j	☑	☐
d. The proposed action will degrade existing pedestrian or bicycle accommodations.	D2j	☑	☐
e. The proposed action may alter the present pattern of movement of people or goods.	D2j	☐	☑
f. Other impacts: _____ _____		☐	☐

14. Impact on Energy
The proposed action may cause an increase in the use of any form of energy. ☑ NO ☐ YES
(See Part 1. D.2.k)
If "Yes", answer questions a - e. If "No", go to Section 15.

	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. The proposed action will require a new, or an upgrade to an existing, substation.	D2k	☐	☐
b. The proposed action will require the creation or extension of an energy transmission or supply system to serve more than 50 single or two-family residences or to serve a commercial or industrial use.	D1f, D1q, D2k	☐	☐
c. The proposed action may utilize more than 2,500 MWhrs per year of electricity.	D2k	☐	☐
d. The proposed action may involve heating and/or cooling of more than 100,000 square feet of building area when completed.	D1g	☐	☐
e. Other Impacts: _____ _____			

15. Impact on Noise, Odor, and Light
The proposed action may result in an increase in noise, odors, or outdoor lighting. ☐ NO ☑ YES
(See Part 1. D.2.m., n., and o.)
If "Yes", answer questions a - f. If "No", go to Section 16.

	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. The proposed action may produce sound above noise levels established by local regulation.	D2m	☑	☐
b. The proposed action may result in blasting within 1,500 feet of any residence, hospital, school, licensed day care center, or nursing home.	D2m, E1d	☑	☐
c. The proposed action may result in routine odors for more than one hour per day.	D2o	☑	☐

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d. The proposed action may result in light shining onto adjoining properties.	D2n	☑	☐
e. The proposed action may result in lighting creating sky-glow brighter than existing area conditions.	D2n, E1a	☑	☐
f. Other impacts: _____ _____		☐	☐

16. Impact on Human Health

The proposed action may have an impact on human health from exposure to new or existing sources of contaminants. (See Part 1.D.2.q., E.1. d. f. g. and h.) ☐ NO ☑ YES

If "Yes", answer questions a - m. If "No", go to Section 17.

	Relevant Part I Question(s)	No,or small impact may cccur	Moderate to large impact may occur
a. The proposed action is located within 1500 feet of a school, hospital, licensed day care center, group home, nursing home or retirement community.	E1d	☑	☐
b. The site of the proposed action is currently undergoing remediation.	E1g, E1h	☐	☑
c. There is a completed emergency spill remediation, or a completed environmental site remediation on, or adjacent to, the site of the proposed action.	E1g, E1h	☑	☐
d. The site of the action is subject to an institutional control limiting the use of the property (e.g., easement or deed restriction).	E1g, E1h	☑	☐
e. The proposed action may affect institutional control measures that were put in place to ensure that the site remains protective of the environment and human health.	E1g, E1h	☑	☐
f. The proposed action has adequate control measures in place to ensure that future generation, treatment and/or disposal of hazardous wastes will be protective of the environment and human health.	D2t	☐	☑
g. The proposed action involves construction or modification of a solid waste management facility.	D2q, E1f	☑	☐
h. The proposed action may result in the unearthing of solid or hazardous waste.	D2q, E1f	☐	☑
i. The proposed action may result in an increase in the rate of disposal, or processing, of solid waste.	D2r, D2s	☑	☐
j. The proposed action may result in excavation or other disturbance within 2000 feet of a site used for the disposal of solid or hazardous waste.	E1f, E1g E1h	☑	☐
k. The proposed action may result in the migration of explosive gases from a landfill site to adjacent off site structures.	E1f, E1g	☑	☐
l. The proposed action may result in the release of contaminated leachate from the project site.	D2s, E1f, D2r	☑	☐
m. Other impacts: _____ _____		☐	☐

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17. Consistency with Community Plans

The proposed action is not consistent with adopted land use plans. (See Part 1. C.1, C.2. and C.3.) ☑ NO ☐ YES

If "Yes", answer questions a - h. If "No", go to Section 18.

	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. The proposed action's land use components may be different from, or in sharp contrast to, current surrounding land use pattern(s).	C2, C3, D1a E1a, E1b	☐	☐
b. The proposed action will cause the permanent population of the city, town or village in which the project is located to grow by more than 5%.	C2	☐	☐
c. The proposed action is inconsistent with local land use plans or zoning regulations.	C2, C2, C3	☐	☐
d. The proposed action is inconsistent with any County plans, or other regional land use plans.	C2, C2	☐	☐
e. The proposed action may cause a change in the density of development that is not supported by existing infrastructure or is distant from existing infrastructure.	C3, D1c, D1d, D1f, D1d, Elb	☐	☐
f. The proposed action is located in an area characterized by low density development that will require new or expanded public infrastructure.	C4, D2c, D2d D2j	☐	☐
g. The proposed action may induce secondary development impacts (e.g., residential or commercial development not included in the proposed action)	C2a	☐	☐
h. Other: _____ _____		☐	☐

18. Consistency with Community Character

The proposed project is inconsistent with the existing community character. (See Part 1. C.2, C.3, D.2, E.3) ☑ NO ☐ YES

If "Yes", answer questions a - g. If "No", proceed to Part 3.

	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. The proposed action may replace or eliminate existing facilities, structures, or areas of historic importance to the community.	E3e, E3f, E3g	☐	☐
b. The proposed action may create a demand for additional community services (e.g. schools, police and fire)	C4	☐	☐
c. The proposed action may displace affordable or low-income housing in an area where there is a shortage of such housing.	C2, C3, D1f D1g, E1a	☐	☐
d. The proposed action may interfere with the use or enjoyment of officially recognized or designated public resources.	C2, E3	☐	☐
e. The proposed action is inconsistent with the predominant architectural scale and character.	C2, C3	☐	☐
f. Proposed action is inconsistent with the character of the existing natural landscape.	C2, C3 E1a, E1b E2g, E2h	☐	☐
g. Other impacts: _____ _____		☐	☐

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Agency Use Only [If Applicable]

Project : ACP - PUD Application

Date : 10/2/2023

Full Environmental Assessment Form
Part 3 - Evaluation of the Magnitude and Importance of Project Impacts
and
Determination of Significance

Part 3 provides the reasons in support of the determination of significance. The lead agency must complete Part 3 for every question in Part 2 where the impact has been identified as potentially moderate to large or where there is a need to explain why a particular element of the proposed action will not, or may, result in a significant adverse environmental impact.

Based on the analysis in Part 3, the lead agency must decide whether to require an environmental impact statement to further assess the proposed action or whether available information is sufficient for the lead agency to conclude that the proposed action will not have a significant adverse environmental impact. By completing the certification on the next page, the lead agency can complete its determination of significance.

Reasons Supporting This Determination:

To complete this section:

- Identify the impact based on the Part 2 responses and describe its magnitude. Magnitude considers factors such as severity, size or extent of an impact.
- Assess the importance of the impact. Importance relates to the geographic scope, duration, probability of the impact occurring, number of people affected by the impact and any additional environmental consequences if the impact were to occur.
- The assessment should take into consideration any design element or project changes.
- Repeat this process for each Part 2 question where the impact has been identified as potentially moderate to large or where there is a need to explain why a particular element of the proposed action will not, or may, result in a significant adverse environmental impact.
- Provide the reason(s) why the impact may, or will not, result in a significant adverse environmental impact
- For Conditional Negative Declarations identify the specific condition(s) imposed that will modify the proposed action so that no significant adverse environmental impacts will result.
- Attach additional sheets, as needed.

1. Impact on Land - The proposed conversion of the former golf course to a community park may involve the excavation and removal of more than 1000 tons of soil from the 170.5 +/- acre site.

2. Impact of Surface Water - The construction of a 0.96+/- acre decorative pond within an existing unnamed tributary may disturb existing bottom sediments of such tributary. Additionally, a 0.17 +/- acre isolated wetland will be filled to accommodate a parking area.

3. Impact on Transportation - The proposed action will result in the construction of paved parking for 500 or more vehicles and the proposed action may alter the present pattern of movement of people or goods.

4. Impact on Human Health - The project site has evidence of soil contaminants as a result of past use of herbicides/pesticides. Adequate control measures will be in place to ensure that any contaminated soils are managed in accordance with applicable laws and be protective of the environment and human health.

Determination of Significance - Type 1 and Unlisted Actions

SEQR Status: ☑ Type 1 ☐ Unlisted

Identify portions of EAF completed for this Project: ☑ Part 1 ☑ Part 2 ☑ Part 3

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Upon review of the information recorded on this EAF, as noted, plus this additional support information

and considering both the magnitude and importance of each identified potential impact, it is the conclusion of the Town of Amherst Town Board as lead agency that:

☐ A. This project will result in no significant adverse impacts on the environment, and, therefore, an environmental impact statement need not be prepared. Accordingly, this negative declaration is issued.

☐ B. Although this project could have a significant adverse impact on the environment, that impact will be avoided or substantially mitigated because of the following conditions which will be required by the lead agency:

There will, therefore, be no significant adverse impacts from the project as conditioned, and, therefore, this conditioned negative declaration is issued. A conditioned negative declaration may be used only for UNLISTED actions (see 6 NYCRR 617.7(d)).

☑ C. This Project may result in one or more significant adverse impacts on the environment, and an environmental impact statement must be prepared to further assess the impact(s) and possible mitigation and to explore alternatives to avoid or reduce those impacts. Accordingly, this positive declaration is issued.

Name of Action: Amherst Central Park

Name of Lead Agency: Town of Amherst

Name of Responsible Officer in Lead Agency: Brian J. Kulpa

Title of Responsible Officer: Town Supervisor

Signature of Responsible Officer in Lead Agency: Date: October 2, 2023

Signature of Preparer (if different from Responsible Officer) Date: October 2, 2023

For Further Information:

Contact Person: Daniel C. Howard, AICP, Planning Director

Address: 5583 Main Street, Williamsville, New York 14221

Telephone Number: 716-631-7051

E-mail: dhoward@amherst.ny.us

For Type 1 Actions and Conditioned Negative Declarations, a copy of this Notice is sent to:

Chief Executive Officer of the political subdivision in which the action will be principally located (e.g., Town / City / Village of)
Other involved agencies (if any)
Applicant (if any)
Environmental Notice Bulletin: http://www.dec.ny.gov/enb/enb.html

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Stantec

TOWN OF AMHERST, NY –
AMHERST CENTRAL PARK

DRAFT SUPPLEMENTAL GENERIC ENVIRONMENTAL IMPACT STATEMENT

October 12, 2023

Prepared for:
Town of Amherst, NY
5583 Main Street,
Williamsville, NY

Prepared by:
Stantec Consulting Services Inc.
61 Commercial Street, Suite 100
Rochester, NY, 14614

Project Number: 195602832

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

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Acronyms / Abbreviations

AADT	Average Annual Daily Traffic
ACP	Amherst Central Park
asl	Above sea level
BCP	Brownfield Cleanup Program
BMP	Best Management Practices
Comprehensive Plan	Town of Amherst Bicentennial Comprehensive Plan
DGEIS	Draft Generic Environmental Impact Statement
DSGEIS	Draft Supplemental Generic Environmental Impact Statement
EAF	Environmental Assessment Form
ECDPW	Erie County Department of Public Works
EDI	Earth Dimensions, Inc.
EGSI	Empire Geo-Services, Inc.
EIS	Environmental Impact Statement
FEMA	Federal Emergency Management Agency
FGEIS	Final Generic Environmental Impact Statement
FSGEIS	Final Supplemental Generic Environmental Impact Statement
GB	General Business Zoning District
GBNRTC	Greater Buffalo-Niagara Regional Transportation Council
GEIS	Generic Environmental Impact Statement
ITE	Institute of Transportation Engineers
JD	Jurisdictional Determination
LWRP	Local Waterfront Revitalization Program
LOS	Level of Service
Mensch	Mensch Capital Partners LLC
MFR-7	Multifamily Residential Zoning District-Seven
MS4	Municipal Separate Stormwater Serwer System
NFTA	Niagara Frontier Transportation Authority
NRCS	Natural Resources Conservation Service
NWI	National Wetland Inventory
NYCRR	New York Codes, Rules and Regulations
NYS	New York State
NYSDEC	New York State Department of Environmental Conservation
Property	An approximately 170.5± acre parcel located at 772 North Forest Road and 385 & 391 Maple Road
PUD	Planned Unit Development
RBIP	Regional Bikeway Implementation Plan

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Amherst Central Park
Acronyms / Abbreviations
October 12, 2023

RC	Recreation Conservation Zoning District
SEQR / SEQRA	New York State Environmental Quality Review / Act
SF	Square feet
SGEIS	Supplemental Generic Environmental Impact Statement
SPDES	State Pollution Discharge Elimination System
SWPPP	Stormwater Pollution Prevention Plan
TDM	Travel Demand Model
TIS	Traffic Impact Study
TMCs	Turning Movement Counts
TND	Traditional Neighborhood Development Zoning District
Town	Town of Amherst
UPK	Universal Pre-Kindergarten
USACE / ACOE	United State Army Corps of Engineers
USGS	United States Geological Survey
WCC	Westwood Country Club

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1.0 Introduction and Project Background

This Draft Supplemental Generic Environmental Impact Statement ("DSGEIS") has been prepared by the Town of Amherst ("Town") to evaluate adoption of a conceptual development plan for a planned unit development ("PUD") for the conversion of an approximately 170.5± acre parcel located at 772 North Forest Road and 385 & 391 Maple Road ("Property") to a community park to include cultural, recreational and civic public spaces ("Amherst Central Park", "Park").

The Property was formerly the location of the Westwood County Club (WCC) and was the subject of a Generic Environmental Impact Statement (GEIS) in 2017 to evaluate a private development proposed by the owner, at that time Mensch Capital Partners LLC (Mensch). The action in the GEIS, known as the "Westwood Neighborhood", proposed a mixed use development including 41 single-family residences, 83 patio homes, 310 attached townhomes and apartments, and 212 multi-family residential units in mixed use buildings, as well as a mix of commercial uses including shops, restaurants, businesses and offices, a four-story hotel, and senior living components (assisted and independent living apartments). The proposed action included the following re-zoning requests:

- 134.79± acres from Recreation Conservation Zoning District ("RC") to Traditional Neighborhood Development Zoning District ("TND");
- 5.13± acres from RC to Multifamily Residential Zoning District Seven ("MFR-7"); and
- 1.16± acres from RC to General Business Zoning District ("GB").

The GEIS was reviewed by the Town Board as Lead Agency over a period spanning July 2014 to December 2017, including three amended submittals. The Final Generic Environmental Impact Statement (FGEIS) was issued in November 2017, and the GEIS Findings issued by the Lead Agency in December 2017 certified that:

- The requirements of 6 NYCRR Part 617 had not been met; and
- Adverse impacts would not be avoided or minimized to the maximum extent practicable by incorporating as conditions to the decision those mitigative measures that were identified as practicable.
- The action would not achieve a balance between the protection of the environment and the need to accommodate social and economic considerations.

The GEIS Findings Statement was based on a number of considerations, notably:

- Insufficient sanitary sewer capacity and significant constraints on increasing that capacity.
- Traffic impacts associated with new commercial development in an area not previously planned for such development.

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- Extensive new roadway and signal construction to address traffic impacts.
- Impacts associated with wetlands, hardwood swampland, floodplains, and Ellicott Creek.
- Conversion of land zoned RC to higher-density uses as housing and commercial development.
- Incompatibility of the proposed uses with surrounding neighborhoods.
- Loss of open space.
- A protracted construction period for roadways; infrastructure; and multiple patio and single-family homes, townhomes, apartments, and completion of mixed use and office buildings.

Based on the Lead Agency's GEIS Findings Statement, the Westwood Neighborhood application (sometimes referred to herein as the "Mixed Use Project") was denied. The Property was subsequently sold to the Town. With the original GEIS analysis and supporting studies as a foundation, the Town initiated a public planning process to re-examine the needs and purpose for the Property and to develop a new alternative action that would better serve the community.

1.1 Description of the Proposed Action

The proposed action is an adoption of a conceptual development plan for a PUD for the conversion of the Property from a private golf course to a community park to include cultural, recreational and civic public spaces. In 2018 the Town Board approved a charter for the Local Waterfront Revitalization Program (LWRP), which included the Amherst Central Park project. The Town then formed a Waterfront Advisory Committee and pursued completing the NYS Department of State (NYSDOS) LWRP originally started in 1999. The Town decided to expand the LWRP along the newly designated inland waterway Ellicott Creek. The Town reviewed the draft JLWRP and used it as a basis for the updated LWRP Plan adopted by the Town Board in 2023 and currently is in the process to be adopted by the NYSDOS. As a result of the LWRP, the Town has held a series of public, stakeholder and committee meetings since 2018. The Amherst Central Park project is a major project in Section IV of the LWRP plan as a majority of the Property is bisected by Ellicott Creek. The planning for the Park design started in early 2018 as a result of the LWRP process. The Town has held public meetings and received comments on the ACP Park since the first public LWRP meeting in December 2018.

Following significant public engagement and input during the Town's review of the Westwood Neighborhood application, the Town engaged in a series of workshop meetings with Dover, Kohl & Partners and identified stakeholder groups to discuss the purpose, need, and projected plan for the potential development of the Property as a public park.

Throughout the process, the Town and its consultants conducted small group stakeholder meetings with local businesses, property owners, real estate brokers, representatives from neighborhood associations and other stakeholders. Typically, interviews were conducted without staff involvement, in order to ensure that stakeholders could freely share their insights about issues and opportunities. The consultant then

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prepared a summary of the interviews. Participants in these meetings included town committees, citizen groups, and others with an interest or expertise in recreation, the arts, and other areas, as well as representatives from local resident/community groups and businesses. The meetings were held as brainstorming sessions to develop a plan for the Amherst Central Park.

The following is a partial list of the various meetings held by the Town to discuss the creation of the Amherst Central Park:

- LWRP Waterfront Advisory Committee Meeting Site Visit at Westwood - August 24, 2018
- LWRP First Public Meeting – December 3, 2018
- University Student Presentations for the Park Design – May 13, 2019 (Amherst Central Park)
- Arts & Culture Committee – June 6, 2019
- Senior Housing Committee – June 11, 2019
- Indoor Facility Committee – June 25, 2019
- Golf Committee – July 9, 2019
- Second LWRP Public Meeting on LWRP Projects – July 10, 2019
- Park Committee – August 16, 2019
- Maple Road Committee – August 26, 2019
- Getzville neighborhood meeting – September 12, 2019 (Amherst Central Park planning)
- LWRP Waterfront Advisory Committee Meeting – Projects/Section IV – September 18, 2019
- Village of Williamsville LWRP – October 24, 2019
- Public Meeting Ellicott Creek neighborhood meeting – November 5, 2019
- Dover-Kohl Park Design Workshop – June 29 - July 2, 2020
- Amherst Central Park Task Force meetings –2020 to 2021 present
- Village of Williamsville LWRP meeting – March 2, 2021
- Public Meeting – LWRP 3rd and Final Public Meeting – February 28, 2023

In order to develop the Property into the proposed Amherst Central Park, the Town Board proposes to create a PUD for the Property to govern the implementation of the conceptual development plan shown in Figure 1. A higher resolution version of the plan is provided in Appendix A. The proposed conceptual development plan is the product of the multi-year participatory planning process described above, which involved municipal leaders, residents, community stakeholders and consultants. The plan proposes a multi-use park featuring natural resources, and a community center for activities related to environmental education, fine arts, active and passive recreation, and historic preservation. The full PUD application, as amended, is attached as Appendix B.

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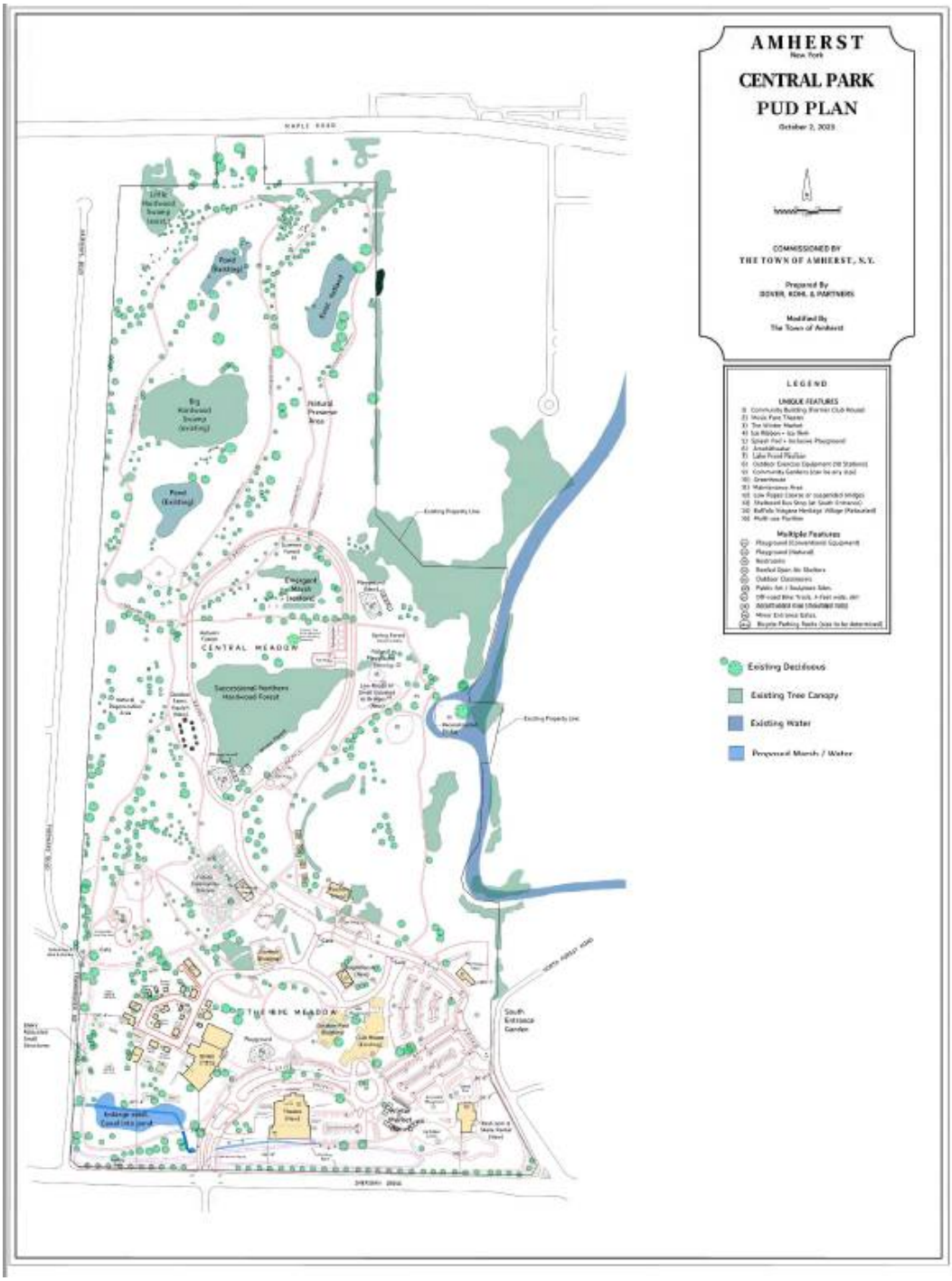

Figure 1 Amherst Central Park Planned Unit Development Conceptual Plan

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The PUD Conceptual Development Plan (sometimes referred to herein as the "PUD Plan") includes the following features:

- Ice Ribbon and Ice Rink, approximately 25,000 SF
- Inclusive Playground, approximately 12,500 SF
- Splash Pad, approximately 6,100 SF
- Public Plaza, approximately 20,000 sf, including a Winter Market, approximately 5,000 SF (buildings)
- Renovation of the former clubhouse into a Community Building, approximately 2,500 SF addition to existing (approximately 44,500 SF total at completion, including basement and all floors), to provide services including space for a Universal Pre-Kindergarten (UPK) program
- Outdoor Amphitheater, approximately 3,300 SF
- Community Theater Building, approximately 31,600 SF
- New building for the Buffalo Niagara Heritage Village Museum – approximately 36,000 SF, as well as relocation of historical buildings associated with the museum, totaling approximately 20,000 SF
- Enhancement of an existing wetland as a decorative pond and associated onsite mitigation (if required) and filling or modification of non-regulated wetlands
- Ancillary park improvements such as playgrounds, gardens/greenhouses, pedestrian access/pathways, educational kiosks and access drives as shown conceptually on the PUD Plan
- Construction of required mechanical buildings, public restrooms, parking lots, and supportive utilities such as storm sewers and stormwater management features, sanitary sewers, water, fiber optic cables, electric and natural gas service

The northern portion of the Property is slated for natural-passive recreation along with preservation of existing ponds, wetlands and hardwood areas.

Amherst Central Park Facilities Improvements Review Process for the PUD

The Town is developing the Park pursuant to the Planned Unit Development (PUD) Process set forth in Section 6-9 of the Zoning Code, as the Property is in excess of 30 acres. As set forth in Zoning Code 6-9-1, the purpose of the PUD Process is to permit coordinated development that allows flexibility to respond to market demands. Pursuant to Zoning Code 6-9-2, the Town Board intends to adjust the regulations, standards and criteria of the Zoning Ordinance as part of the PUD Process for the Amherst Central Park to implement the Conceptual Development Plan and future improvements that are not part of the Conceptual Development Plan. Figure 2 below sets forth the process for developing, approving and implementing the improvements in Amherst Central Park.

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Amherst Central Park
Introduction and Project Background
October 12, 2023

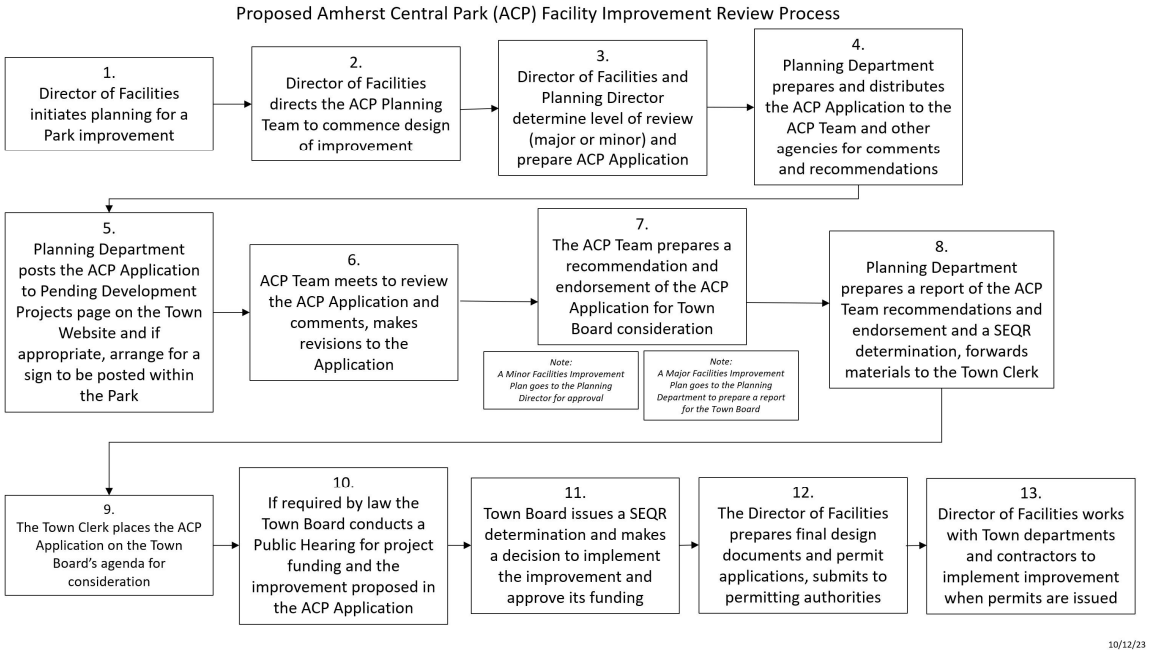

Figure 2 Proposed Amherst Central Park Facilities Improvements Review Process

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Amherst Central Park
Introduction and Project Background
October 12, 2023

The ACP Facility Improvement Review Process depicted above is set forth in more detail below.

As part of the development of the Amherst Central Park, the Town Board will establish an ACP Planning Team, which will include, but not be limited to, the Director of Facilities, the Town Engineer, Town Architect, Building Commissioner, Planning Director, and Police/Fire Representative.

1. The Director of Facilities will initiate planning for a Park improvement, which may commence through his or her own initiative; through specific direction by the Town Board; through implementation of projects previously approved by the Board or set forth in the Town's Capital Improvement Program (CIP).
2. Once the concept has been initiated, the Director of Facilities will direct the ACP Planning Team to commence planning and design of the improvement.
3. The Director of Facilities will work with the Planning Director to determine the level of review necessary (major or minor) and prepare a Facilities Improvement Plan application ("ACP Application") for the ACP Planning Team to review.
4. The Planning Department will prepare and distribute the ACP Application to the ACP Planning Team, and other agencies as appropriate, for comments and recommendations.
5. The Planning Department will post the ACP Application to its Pending Development Projects page on the Town Website and, if appropriate, arrange to post a sign with notice of the improvement within the Park.
6. The ACP Planning Team will meet to review the ACP Application and comments received, and, if necessary, make revisions to the ACP Application based upon the comments received.
7. The ACP Planning Team will prepare a recommendation and endorsement in support of the ACP Application for consideration by the Town Board.
8. The Planning Department prepares a report of the ACP Team recommendations and endorsement and a SEQR determination, forwards materials to the Town Clerk
9. The Town Clerk will place the ACP Application on the Town Board's agenda for consideration.
10. If required by law, the Town Board will conduct a Public Hearing for project funding and the improvement proposed in the ACP Application.
11. The Town Board will issue a SEQRA determination and make a decision whether to proceed with approving and implementing the improvement set forth in the ACP Application and its funding.
12. The Director of Facilities will prepare final design documents and appropriate permitting applications, submits materials to the permitting authority.

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13. Director of Facilities will work with appropriate Town Departments and contractors to implement the improvement once the permitting authorities issue the necessary permits.

1.2 Purpose and Need

The Town's purpose for Amherst Central Park is to structure, design and create an exemplary multi-use park with broad year-round appeal. Its range of activity will draw from natural resources, environmental sciences, the fine arts, recreation, and historic preservation, each with leadership intent. The future Amherst Central Park is an opportunity to create a beautiful natural community resource for the enjoyment of people of all ages.

The following improvements for the Park were identified through the public involvement process:

- Providing a place for people to connect and interact in a shared environment;
- Providing environmental, civic, cultural, and recreational benefits to residents and visitors to the Town; and
- Providing a premier community asset to serve as a safe and inclusive space for individuals of all ages to play, learn, reflect, gather, engage and enjoy in perpetuity.
- Retain the character and aesthetic features of the existing landscape and bisecting waterway.

Additional needs, including some identified in the GEIS but highlighted and re-examined in light of the findings on the Mixed Use Project, are embedded in the Town's existing zoning, Comprehensive Plan and Amherst LWRP Plan, discussed below.

1.2.1 ZONING

The Property envisioned for the Amherst Central Park is zoned as Recreation Conservation (RC), a district whose purpose is to provide for public, private, and civic uses related to recreation and conservation. Planning for the Amherst Central Park is specifically focused on supporting these uses.

The Town's Bicentennial Comprehensive Plan also recommends the Property be used for recreation, open space and greenways. The Property is a component of the LWRP, given its location along Ellicott Creek. The Amherst Central Park is a featured project for recreation and waterfront enhancement in the Town.

1.2.2 TOWN OF AMHERST BICENTENNIAL COMPREHENSIVE PLAN

The Town first adopted its comprehensive plan in January of 2007, and most recently amended it in 2020. The Town of Amherst Bicentennial Comprehensive Plan ("Comprehensive Plan") is the official document that serves as a guide to the long-range physical development of the community. The Comprehensive Plan is organized into a series of elements that cover community functions such as Land Use,

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Transportation and Infrastructure. Each element describes a set of goals, objectives and policies that are designed to achieve that aspect of the Vision Statement. The following summarizes the Amherst Central Park's conformance with the Comprehensive Plan.

Vision Statement

The Vision Statement identifies three fundamental attributes that will sustain the exceptional quality of life for local residents. These attributes are as follows; livability, community character, shared direction.

- Livability: This attribute encompasses healthy neighborhoods, outstanding public facilities and services, and an active community life. The Amherst Central Park responds to this planning objective by providing an expansive area specifically designated for recreation and open space.
- Community character: A key aspect of this attribute is preservation of natural and cultural resources and maintenance of green space. The Amherst Central Park responds to this planning objective by including features for publicly accessible recreational improvements for the Town's residents while preserving and enhancing a significant portion of the Property as open space. The original WCC Clubhouse will be preserved in the Park.
- Shared Direction: This attribute outlines the need for intergovernmental cooperation. The Amherst Central Park is consistent with this goal by relocating portions of the Buffalo Niagara Heritage Village Museum to the Park and providing a resource for local schools.

Land Use and Policies Goals, Objectives and Policies

One of the top initiatives outlined in the Comprehensive Plan is aesthetic/community character. The Town aims to be "renowned for the beauty, character, and environmental quality of the Town." The Amherst Central Park aims to support this key initiative, and subsequently the Town vision, through land use policies that enhance existing open space by development of unique cultural improvements. Specific policies addressed by the Amherst Community Park include:

- Policy 3-7 of the Comprehensive Plan expresses the need to "protect and retain the identity of special places through design guidelines" including important community resources such as a major park, public or private buildings or open space, or an educational campus. The Amherst Central Park responds to this goal with a conceptual development plan, which was prepared with extensive community input, and a PUD process designed to implement the plan. The plan specifically addresses development of a major park, including public buildings, open space, and an educational campus.
- Redevelopment and Revitalization of Underutilized, Obsolete, and Vacant Properties for Economically Viable Uses: Policy 3-9 of the Comprehensive Plan acknowledges that as the Town matures and market conditions evolve, some developed properties may no longer be economically viable as a result of changing economic conditions. The Comprehensive Plan recognizes that existing public and semi-public land uses, including golf courses and other

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recreational facilities, may require revitalization in the event that their continued operation becomes difficult due to changing demographic, economic, or social trends. The redevelopment of these areas is identified as requiring careful planning that maintains the essential character of the site while accommodating significant changes in use and density. The Amherst Central Park responds to this goal with a conceptual plan developed through a SEQR review and a "hard look" consideration of the initial mixed use alternative and subsequent assessment of additional potential viable redevelopment options for the Property.

Open Space Preservation

- Policy 3-14 of the Comprehensive Plan encourages the acquisition of public open space consistent with development of the Town open space, recreation, and greenway network and prioritizes protection of valuable natural and cultural resources. The Policy specifies that open space values are enhanced by the presence of significant natural (e.g., water resources and habitat areas) or cultural (e.g., recognized historic sites) resources.

Natural and Cultural Resources

- Policy 4-1 of the Comprehensive Plan establish greenway corridors along streams as part of a town-wide open space system.
- Policy 4-5 of the Comprehensive Plan supports protection of designated wetlands and implement best management practices to maintain Town owned wetland areas. Work with regulatory agencies to encourage permitted wetland mitigation of an equal or higher level of function and quality to be located near impacted areas or within the Town.
- Policy 4-13 of the Comprehensive Plan supports the cultural, visual and performing arts as part of the Education Key Initiative.

1.3 Outline for this SGEIS

The following sections of this DSGEIS are organized as follows:

Section 2 describes the process of the SGEIS preparation and review.

Section 3 summarizes the project alternatives, including the No Action Alternative

Section 4 presents an evaluation of the affected environmental resources along with direct potential impacts and mitigations.

Section 5 discusses potential indirect and cumulative impacts.

Section 6 sets thresholds for future related actions should the conceptual plan for the PUD be adopted.

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2.0 Supplemental Environmental Review

This section of the DSGEIS describes the steps in required coordinated environmental review of the proposed Central Park Alternative pursuant to the SEQR Act.

2.1 Supplemental Environmental Review

The PUD Plan is subject to review under the SEQR Act. A supplement to the FGEIS (SGEIS) is required because, pursuant to 6 NYCRR 617.10(d)(4), "[t]he [Amherst Central Park] was not addressed or was not adequately addressed in the Generic EIS and the subsequent action may have one or more significant adverse environmental impacts." Because this is a change to the project that was the subject of the GEIS, 6 NYCRR 617.9(a)(7)((i)(a) requires that a supplement to the GEIS be limited to the specific significant adverse environmental impacts not addressed or adequately addressed in the GEIS. The Town has prepared Parts 1, 2 and 3 of the Environmental Assessment Form (EAF) for the Central Park Project and issued a Positive Declaration. The following four potential significant adverse environmental impacts were identified in the Part 3 EAF that will be addressed in a supplement to the GEIS.

1. Impact on land
2. Impact on surface water
3. Impact on transportation
4. Impact on human health

While this DSGEIS will address the four items requiring further analysis, it also discusses the potentially small impacts identified in the EAF, as well as the positive impacts associated with the Amherst Central Park.

2.2 Steps in the Environmental Review of the SGEIS

The Town prepared a GEIS and associated GEIS Findings in 2017 for the Property[1]. Because the proposed use of the Property as the Amherst Central Park was not contemplated in the 2017 GEIS, it is necessary to prepare a supplement to these reports.

The projected sequence for review of the SGEIS is:

- Town Board accepts this DSGEIS as complete for review and public comment.

[1] Town of Amherst's Projects and Initiatives page, available online at https://www.amherst.ny.us/content/projects.php?dept_id=dept_15&proj_id=proj_09&neworder=00.

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- After the close of the public comment period, the Town Board will issue a Notice of Completion of the Final Supplemental Generic Environmental Impact Statement (FSGEIS); and
- After waiting the requisite ten (10) days, the Town Board will issue a Supplemental Findings Statement for the Amherst Central Park.

2.3 Description of Required Approvals and Permits

The approval needed for the pending PUD Application is limited to the Town Board. A list of anticipated approvals and permits that will be needed to implement the PUD Conceptual Development Plan are listed below in Table 1:

Table 1 Required Approvals and Permits for the Amherst Central Park

Agency	Description of Permit or Approval Required
Town of Amherst	
Town of Amherst Town Board	• ACP Application
Town of Amherst Building Department	• Building permits
Town of Amherst Engineering	• Notice of Intent State Pollution Discharge Elimination System ("SPDES") General Permit for Construction Activities; waterline and sewer extension approvals (through Erie County Department of Health)
Erie County	
Department of Public Works	• Highway Work Permit
Department of Environment and Planning	• NYS General Municipal Law Section 239
State of New York	
NYS Department of Environmental Conservation	• Enforcement of SPDES • Water Quality Certification (wetlands)
NYS Department of Transportation	• Highway Work Permit
Federal	
U.S. Army Corps of Engineers	• Clean Water Act Section 404

2.4 Project Schedule

The Town anticipates that the implementation of the Amherst Central Park will occur over the course of a 10-year period (June 2024-June 2034). Construction will begin with improvements within the southern portion of the Property, which will include the most intensive development of recreation, community, and civic facilities.

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3.0 Analysis of Alternatives

Five alternative actions, including the PUD, are evaluated in this DSGEIS:

- No Action. Under this Alternative, the Property would remain in its existing condition.
- Amherst Central Park. Under this Alternative, the Property would be developed as a public park. Benefits, potential impacts, and mitigation are discussed in this DSGEIS.
- Mixed Use Project (Westwood Neighborhood). This Alternative was examined in the GEIS. While the SEQRA Findings for this alternative ultimately led to a denial of the requested application, the Property information and analysis developed for the GEIS contributes to an understanding of the Property and this Alternative provides a point of comparison for other proposed Alternatives.
- Alternative Sites. This Alternative addresses the potential availability of additional sites within the Town where the purpose and needs identified in this DSGEIS could be accomplished.
- Alternative Uses. This Alternative assesses whether uses other than the Mixed Use Project or Amherst Central Park could meet the purpose and needs identified in this DSGEIS.

3.1 No Action

Under this Alternative, the Property would remain in its existing condition. While open space could be maintained and opportunities for passive recreational use could exist, none of the proposed improvements would be provided.

Specifically, improvements planned for recreational and educational use such as the theaters, outdoor market, classrooms, inclusive playground, splash pad and ice skating ribbon would not be constructed. As a result, major goals of the park planning process and Town Comprehensive Plan would not be met.

3.2 Amherst Central Park

With this alternative, the 170.5± acre Property would be converted from the former private golf course into the Amherst Central Park community space. The Park would include cultural, recreational and civic public spaces, as outlined above in Section 1.1. The northern portion of Property is slated for natural-passive recreation along with preservation of existing ponds, wetlands and hardwood areas.

3.3 Mixed-Use Project

As noted in Section 1.0, this Alternative was previously evaluated in depth. The Town, as Lead Agency, found that this Alternative did not avoid or minimize adverse impacts to the maximum extent practicable

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nor achieve a balance between the protection of the environment and the need to accommodate social and economic considerations.

However, this Alternative provides a point of comparison for the Amherst Central Park Alternative. As discussed further in Section 4.0, the Amherst Central Park Alternative avoids or greatly reduces the following adverse impacts identified for the Mixed Use Alternative:

- Insufficient sanitary sewer capacity and significant constraints on increasing that capacity.
- Traffic impacts associated with new commercial development in an area not previously planned for such development.
- Extensive new roadway and signal construction to address traffic impacts.
- Impacts associated with wetlands, hardwood swampland, floodplains, and Ellicott Creek.
- Conversion of land zoned RC to higher-density uses as housing and commercial development.
- Incompatibility of the proposed uses with surrounding neighborhoods.
- Loss of open space.
- A protracted construction period for roadways; infrastructure; and multiple patio and single-family homes, townhomes, apartments, and completion of mixed use and office buildings.

3.4 Alternative Sites

While some of the proposed improvements in the Amherst Central Park could be provided in other areas of the Town, there is no other parcel or combination of parcels owned by the Town that would offer a suitable combination of location, existing natural beauty, overall location, and potential for a cohesive, comprehensive park plan that would be comparable to the proposed Amherst Central Park. This Alternative is therefore not further evaluated in this DSGEIS.

3.5 Alternative Uses of the Property

As set forth in the GEIS, the full development of the Property for mixed use commercial and/or residential purposes would result in significant impacts related to traffic, utility infrastructure, and community character. Industrial uses of the site would result in similar impacts. A significantly less intense residential development would reduce traffic and infrastructure impacts relative to the Mixed Use Alternative but would be inconsistent with existing zoning and the Town Comprehensive Plan. None of these alternative uses would meet the Purpose and Need identified in this SGEIS. This Alternative is therefore not further evaluated in this DSGEIS.

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4.0 Affected Environmental Resources, Impacts, and Mitigation

4.1 Introduction

This section of the DSGEIS is broken into subsections discussing resources for which potential medium to large impacts were identified in the Full Environmental Assessment Form for the Amherst Central Park, which include Impacts to Land, Surface Water, Transportation, and Human Health. For existing conditions of other resources, refer to the Draft Generic Environmental Impact Statement (DGEIS)[2].

Within each of the resources subsections, the following details are discussed below:

- A description of the existing environmental conditions on the Property and vicinity;
- A discussion of the potential environmental impacts and benefits that will occur as a result of the redevelopment of the Property in manner consistent with the Conceptual Development Plan for Amherst Central Park. The SEQRA Regulations require that a DSGEIS include a statement and evaluation of the potential adverse environmental impacts resulting from a proposed project at a level of detail that reflects the severity of the impacts and the likelihood of their occurrence.[3] The evaluation of identified potential adverse impacts in this DSGEIS includes descriptions of short-term impacts likely to result from site preparation and other construction activities over the anticipated 10-year build-out period for the Amherst Central Park, as well as long-term impacts that will result from the redevelopment of the Property as a public park; and
- A discussion of the mitigation measures proposed by the Town for purpose of minimizing identified adverse environmental impacts to the maximum extent practicable.

4.2 Project Benefits

The development of the Property as the Amherst Central Park presents the potential for benefits to the following environmental resources:

Aesthetic Resources

The Amherst Central Park is integrated within the existing landscape of the former Westwood Country Club site. The majority of land development or built infrastructure will take place near the existing clubhouse and parking lot area adjacent to a NYS arterial roadway. This area of major development is approximately within 45 acres. This 45-acre area is predominantly flat and has been disturbed by

[2] DGEIS for the proposed Westwood Multi-Use Development. Available online at https://www.amherst.ny.us/content/projects.php?dept_id=dept_15&proj_id=proj_09&neworder=00.
[3] See 6 NYCRR Part 617.9(b)(5)(iii).

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development. The balance of the Property, 125.5 acres will remain intact. The Town will preserve the approximate 15 acres of mature forested areas and over 115 acres of meadow in the northern portion of the Property. The Town will be altering the linear wetland near the proposed theater building but will be adding more surface water features to the southwest portion of the Property. The Town will not disturb the jurisdictional wetland of Ellicott Creek. The majority of the Property will retain its aesthetic character.

Open Space and Recreation

The Town will preserve the majority of the northern portion of the Property. The approximate 15 acres of mature forested areas and over 115 acres of meadow will be preserved. The majority of the physical dimensions of the Property will be considered passive park recreation. The exception to this passive recreation will be the active recreation and cultural components in the southern approximate 45 acres.

Consistency with Community Plans

Town of Amherst Recreation and Parks Master Plan[4]

- The Park supports the following:
  - Goal #3 Objective 3.2 - Develop new recreation amenities and opportunities for residents with a focus on expanding trails and opportunities for walking and biking.
  - Action 3.2.c - Pursue opportunities to create new sidewalks and pathways that connect the places people live, work, shop, and play in Amherst. Seek to enhance opportunities for residents to safely walk and bike for exercise, leisure, and transportation purposes.

Town of Amherst Local Waterfront Revitalization Program[5]

- Section II Vision – The Park supports the Town vision within the locally adopted Local Waterfront Revitalization Program Plan (2023). The Town of Amherst LWRP will guide the Town's waterfront actions to achieve the community's vision of a healthy and culturally vibrant waterfront. "*This LWRP celebrates the beauty and uniqueness of the extensive waterfront along Tonawanda Creek/Erie Canal and Ellicott Creek, and the local history and the community's desire to build upon existing strengths for the future. The key will be to balance Amherst's character and uniqueness with new and renewed development that can contribute to the vibrancy and resilience of the community.*" As a result of analyzing the existing conditions of the Amherst WRA and engaging the community on opportunities in the Amherst WRA, the Town identified the following goals for its local waterfront revitalization plan: increase public access to Town waterways, enhance amenities at existing public parks

[4] Town of Amherst Recreation and Parks Master Plan (April 2018), available online at https://www.amherst.ny.us/pdf/planning/parks/master_plan/180418_master_plan.pdf.
[5] Town of Amherst Local Waterfront Revitalization Program (September 2023), available online at https://www.amherst.ny.us/pdf/planning/lwrp/220901_draft_lwrp.pdf.

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adjacent to the waterways, create new public parks and expand the greenway corridor along the waterways, encourage appropriate economic development opportunities, promote public safety, improve the quality of the Town's water resources, improve the existing shoreline conditions, highlight the scenic and aesthetic beauty of the Town's waterways, and enhance historic and cultural components within the LWRP boundary, and foster environmental education and stewardship.

- Section II – Map II-9 in the Inventory and Analysis identifies scenic views in and around the Property.
- Section IV – Identifies Amherst Central Park a project and focal point of the Waterfront Revitalization Area.

Consistency with Community Character

Figure 6 of the Town's Comprehensive Plan, Land Use and Development section[6] identifies the Property as Recreation, Open Space and Greenways. The Property is consistent with the Land Use in the Comprehensive Plan. The Property is zoned Recreation Conservation. The Amherst Central Park will not be subject to a rezoning or Comprehensive Plan amendment.

4.3 Impacts Assessed as None/Small

As set forth in the Part 2 of the FEAF, the development of the Amherst Central Park identified potential impacts to certain resources. For the following resources, additional analysis identifies the impacts as none or small.

Groundwater

Based on a review of NYSDEC data, the Property is not underlain by any mapped principal or primary aquifers. Given the history of pesticide use on the former golf course, the FEAF identifies the potential for contaminants to have been introduced to groundwater. However, groundwater at and in the vicinity of the Property is not used for public drinking water supply and the existing soil contamination will be addressed as described in Section 4.7. Construction of the Amherst Central Park is therefore not anticipated to have any adverse impacts on groundwater resources or groundwater quality.

Flood Hazard Zones

Given the location of the Property adjacent to Ellicott Creek, the FEAF identifies the potential for flooding impacts. Certain areas within the eastern portion of the Property are located within the 100-year flood hazard zones associated with Ellicott Creek, as designated by the Federal Emergency Management

[6] Town of Amherst Bicentennial Comprehensive Plan - Land Use and Development Section, available online at https://www.amherst.ny.us/pdf/planning/compplan/2020/210226_3.pdf.

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Agency ("FEMA"). The map provided in Appendix D illustrates the current location of the 100-year and 500-year flood hazard zones on the eastern portion of the Property.

The Amherst Central Park has been planned to avoid long-term potential adverse impacts to the Ellicott Creek floodplain by primarily locating structures outside the 100-year and 500-year flood hazard areas. While the Park will involve the construction of a pavilion, four outdoor classrooms, low ropes or small elevated bridges, a natural playground, and the reconstruction of a bridge within the flood hazard areas associated with Ellicott Creek, these are not occupied structures and would be designed to be resistant to flood damage and/or easily repaired. Outside of these development areas, the Park within the flood hazard zones will be maintained as vegetated open space and will be resilient and easily restored in the event of future potential flood damage. Construction of the Amherst Central Park is therefore not anticipated to have any adverse impacts related to flood hazard zones.

Sanitary Sewer

The Amherst Central Park improvements are estimated to generate up to 80,000 gallons/day of sanitary wastewater, primarily from recreational water features, i.e. splash pad spray and backwash water for swimming pool. Wastewater will be treated at the Town of Amherst Water Pollution Control Facility (WPCF), which has existing capacity to convey and treat these uses. In contrast, projected average usage for the Mixed Use Alternative in the GEIS, 245,000 gallons/day, was approximately three times greater than the Park average use, with peak hourly flow rates up to approximately 1,000,000 gallons/day. The projected sewer flow rates exceeded the sanitary system flow capacities and were a key basis for the denial of the Westwood Neighborhood (Mixed Use) application.

Historic and Archeological Resources

The Property is contiguous to an eligible historic/archaeological site located at 829 North Forest Road. Per the Cultural Resource Information System, this neighboring site is listed due to the presence of a farmhouse that was built in the 1840s. The farmhouse represents a rare example of a brick farmhouse with Greek revival influences. However, no impacts to the farmhouse due to development of the Amherst Central Park are anticipated. The Property was assessed for potential archaeological impacts through Phase I and II testing during preparation of the GEIS. No impacts were identified, and the NYS Office of Parks, Recreation, and Historic Properties (OPRHP) issued its concurrence with that finding. There are no historic or archaeological sites or resources present on the Property. Therefore, historic and archaeological impacts due to development of the Amherst Central Park are anticipated to range from none to small.

Noise, Odor, and Light

Activities at the proposed Amherst Central Park may result in an increase in noise, odors, or outdoor lighting during construction and operation. During the construction period, heavy equipment may be used onsite between the hours of 7am and 7pm Monday through Friday. Although it is anticipated that there would be construction noise during this period, the Town intends to keep the natural buffers intact between land uses, so as to dampen potential noise impacts. Further, the noise impacts stemming from

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these vehicles would cease at the conclusion of construction and would not occur during operation of the Park.

Operational noise will be limited to levels typical of public parks. Entertainment events including music, museum events, and other public gatherings will be managed by scheduling and Town oversight such that potential impacts are anticipated to be small.

The Amherst Central Park will have appropriate lighting for parking lots and streets which, in addition to screening by landscaping will limit offsite impacts. Therefore, associated impacts are anticipated to be small.

As part of the design plan for the Amherst Central Park, it is proposed that the Buffalo Niagara Heritage Village Museum would relocate its outdoor living displays to the Amherst Central Park. These displays may include livestock and poultry which could produce odors and noise. The Town will place these displays approximately 150 feet from the nearest occupied structures to the west of the Park and will maintain them such that potential impacts due to odors and noise are anticipated to be small.

The Amherst Central Park is Town owned and will be operated by the Town. As such, potential noise and odor impacts will be limited to conform to the Town of Amherst Town Code. Examples of pertinent code requirements include:

- Per the Town Code, Section 145[7], people are not allowed to be in or on Town recreation areas between 10pm and 6am without written permission from the Recreation Commission.
- Per Section 138[8] of the Town Code, unreasonable noise is unlawful within areas of which the Town has jurisdiction.

4.4 Physical Alteration of Land Surface

4.4.1 EXISTING CONDITIONS

As noted in the DGEIS, the Property is located within the Erie-Ontario Lake Plain physiographic province of New York. No unique landforms or geological formations exist on or in the vicinity of the Property. Topography on the Property averages approximately 600 feet above sea level ("asl"). In general, the topography gradually drops approximately 10-13 feet in elevation from south to north across the Property. Overall, the topography of the Property is relatively level, with the exception of previous modifications resulting from the construction, operation, and maintenance of the former private golf course. In addition, Ellicott Creek meanders along portions of the eastern boundary of the Property.

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[7] Town of Amherst, NY Town Code, Chapter 145, available online at https://ecode360.com/13278923#13278923.
[8] Town of Amherst, NY Town Code, Chapter 138, available online at https://ecode360.com/13278808#13278808.

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An analysis of geology and soils on the Property was performed by Empire Geo-Services, Inc. ("EGSI") in 2014 (Refer to the DGEIS, Appendix I, page 99 "Geotechnical Evaluation Report"[9]). Additional information regarding the Property physical setting and soil types identified onsite can be found in the DGEIS Section 4.1. An evaluation of contamination identified in soils onsite and potential associated impacts on the Amherst Central Park Alternative is provided in Section 4.7, Human Health.

The results of the geotechnical investigation indicated that a majority of the on-site soils would be suitable for the initially proposed Mixed Use Alternative, but that in some locations, poor surface soil drainage, exacerbated by perched or trapped groundwater in the topsoil and fill layers, could make site preparation work (e.g., topsoil stripping and sub-grade activities) difficult, particularly during wet conditions. During wet weather conditions, construction activities increase the potential for soil erosion and sedimentation impacts. These conditions are presumed to be similar at present, given that no major site change have occurred since the survey was completed in 2014.

In order to address identified potential wet soil conditions during construction, the 2014 Geotechnical Report recommended implementation of certain typical construction practices for wet sites, including: improving drainage prior to excavation, installing suitable base material and geotextile beneath haul roads, proof-rolling exposed subgrades and filling and grading sufficiently in advance of final subgrade preparation to allow for settlement.

While the scale and density of the Mixed Use Alternative would have been significantly greater than the Amherst Central Park development, similar construction practices may be required in wet areas. Design of the park structures and foundations will be prepared by licensed professionals to meet current NYS Building Code and Town standards, including evaluation of soils based on the 2014 report and on additional site-specific investigations as needed.

4.4.2 POTENTIAL IMPACTS

The following sections discuss the potential impacts to land on the three viable alternatives discussed in Section 3.0.

No Action Alternative

In the No Action Alternative, no impacts would occur and no mitigations would be necessary.

Mixed Use Alternative

In the Mixed Use Alternative, 145.08 acres of land would be disturbed. Given implementation of required stormwater management practices and adherence to NYS Building Code and Town of Amherst Codes, no substantial physical adverse impacts to land were anticipated, however the extent of soil disturbance,

[9] Second Revised DGEIS for the Westwood Neighborhood (dated October 2015) Appendix I, available online at https://www.amherst.ny.us/pdf/planning/westwood/appendix-I.pdf.

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construction, and removal of existing vegetation would be substantially greater than for the Amherst Central Park Alternative.

Amherst Central Park

In the Amherst Central Park Alternative, a far smaller amount of physical land alteration would occur, totaling approximately 25± acres. Given implementation of required stormwater management practices and adherence to NYS Building Code and Town of Amherst Codes, no substantial physical adverse impacts to land are anticipated. As noted, the extent of physical alteration to land would be substantially less than for the Mixed Use Alternative.

4.4.3 MITIGATION MEASURES

Given adherence to stormwater regulations and code requirements, no substantial impacts due to physical alteration of the land surface were identified. Therefore no mitigation measures are required.

4.5 Surface Water

4.5.1 EXISTING CONDITIONS

The Property lies within the Tonawanda Creek Watershed, a major tributary watershed to the Niagara River / Lake Erie Watershed. Tonawanda Creek, which forms the Town's northern boundary with Niagara County, flows to the west and drains large portions of the Town. Portions of Tonawanda Creek have been historically channelized as part of the Erie Canal. Ellicott Creek, which extends along portions of the eastern boundary of the Property, is the largest tributary of Tonawanda Creek and flows northwest through the Town. Ellicott Creek discharges into a channelized section of Tonawanda Creek, near where Tonawanda Creek flows into the Niagara River.

In order to identify and evaluate water resources present on the Property for the DGEIS, Earth Dimensions, Inc. (EDI) was retained to prepare a wetland delineation and evaluation report, dated September 2012 (refer to the DGEIS, Appendix I, page 2 "Wetland Delineation Report"[9]). The wetland delineation identified 11 wetlands on the Property, totaling approximately 7.417± acres.

In light of proposed PUD and regulatory developments since the 2012 delineation and subsequent Joint Determination, the Town contracted with EDI to prepare an updated wetland delineation report and joint Jurisdictional Determination (JD) request to the Army Corps of Engineers (ACOE) and NYSDEC.

The Town of Amherst retained EDI to complete a wetland delineation report (Wetland and Waterbodies Delineation Report, dated June 12, 2023) 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 on the Property, 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 at the Property was implemented prior to conducting a field investigation at the site. Sources of information

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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 preliminary data review revealed that ACOE may have jurisdiction over wetlands at the Property. The evidence consisted of potential federally regulated wetlands on the NWI map (Figure 2 in the wetland report) and hydric soils and soils with possible hydric inclusions depicted within the project area as shown on the NRCS map (Figure 3 in the wetland report). The preliminary data review indicated that NYSDEC has jurisdiction over Ellicott Creek as depicted on the NYSDEC Resource Mapper (Figure 4 in the wetland report). Therefore, it was considered necessary to perform a field investigation at the Property In order to determine the presence of federal and state protected wetlands. The methods specified in the ACOE Wetlands Delineation Manual (January 1987) and Northcentral and Northeast Regional Supplement Version 2.0 (January 2012) were employed during the field investigation. Procedures, results, and conclusions of the wetland delineation study are presented in the report attached as Appendix C. One additional wetland was identified onsite, compared to the September 2012 wetland delineation and evaluation report.

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The identified wetlands, their acreage and type are as follows:

Table 2 Wetland Summary

Wetland Identification #	Total Acreage On site	Wetland Type (Cowardin)	Wetland Type (Reschke)
Wetland 1	0.74±	PSS1B	Scrub-shrub swamp
Wetland 2	0.60±	POW	Golf Course Pond
Wetland 3	0.34±	PSS1B	Scrub-shrub
Wetland 4	1.09±	POW	Golf Course Pond
Wetland 5	2.63±	PFO1B	Hardwood Swamp
Wetland 6	0.94±	POW	Golf Course Pond
Wetland 7	0.02±	PSS1B	Scrub-shrub
Wetland 8	0.22±	PSS1B	Scrub-shrub
Wetland 9	0.93±	PSS1B	Scrub-shrub
Wetland 10	2.25±	PEM1H/R2UB1	Emergent Marsh/Perennial Stream
Wetland 11	0.33±	PEM1C	Shallow Emergent Marsh
Wetland 12	0.17±	POW	Golf Course Pond

Cowardin Wetland Classifications:

- Palustrine Scrub-Shrub Broad-Leaved Deciduous Saturated (PSS1B),
- Palustrine Forested Broad-Leaved Deciduous Saturated (PFO1B),
- Palustrine Emergent Persistent Seasonally Flooded (PEM1C),
- Palustrine Emergent Persistent Permanently Flooded (PEM1H),
- Riverine Lower Perennial Unconsolidated Bottom Cobble-Gravel (R2UB1),
- Palustrine Open Water Wetlands (POW).[10]

[10] Classification of Wetlands and Deepwater Habitats of the United States, Cowardin et al. 1979. https://www.fws.gov/wetlands/Documents/Wetlands-and-Deepwater-Habitats-Classification-chart.pdf

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Table 3 Stream and Drainage Summary

Stream Identification #	Waterway	DEC Class	Linear Feet Onsite	Highwater Width (Ft)	Flow Regime	Substrate	Classification (Cowardin)
Stream 1	Ellicott Creek	B	1723	50-75	Perennial	Gravel, Cobble	R2UB1
Stream 2	UNT	N/A	252	2	Ephemeral	Silt, Organic	R4SB7
Stream 3	UNT	N/A	1155	6-8	Intermittent	Silt, Organic	R4SB7

Cowardin Wetland Classifications: Riverine Lower Perennial Unconsolidated Bottom Cobble-Gravel (R2UB1), Riverine Intermittent Streambed Vegetated (R4SB7).[10]

Table 4 Waterbody Summary

Identification #	Acreage On-site	Classification (Cowardin)	Type (Reschke)
Pond 1	0.60±	POW	Golf Course Pond
Pond 2	1.09±	POW	Golf Course Pond
Pond 3	0.94±	POW	Golf Course Pond
Pond 4	0.17±	POW	Golf Course Pond

4.5.2 POTENTIAL IMPACTS

No Action Alternative

In the No Action Alternative, no impacts would occur to regulated or non-regulated wetlands and no mitigation would be required. However, none of the proposed Amherst Central Park improvements would be implemented and the Town-identified purpose and needs would not be met.

Mixed Use Alternative

In the Mixed Use Alternative, approximately 4.17± acres of non-regulated wetlands and Ellicott Creek (a state-regulated water body) would be impacted. This Alternative required construction of a 5-acre stormwater management "lake" which would permanently replace varied wetland types (emergent marsh, scrub-shrub, and forested wetlands) with open water managed for stormwater treatment and retention.

Amherst Central Park Alternative

The Wetland Delineation Report prepared by EDI identifies the delineated wetlands as isolated waters not connected to other waters of the United States and therefore, in EDI's opinion, the wetlands are non-jurisdictional in terms of federal wetland regulations. The wetlands and waters that have been delineated

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are subject to a renewed Jurisdictional Determination (JD) from the Army Corps of Engineers due to the length of time that has passed, over 5 years, since the previous JD.

The Amherst Central Park concept includes the filling in of an approximately 0.17± acre wetland located along the southern edge of the Property, approximately a 95% reduction in impacts to non-regulated wetlands compared to the Mixed Use Alternative. Wetland W11 would be altered to be a decorative pond. During the construction of the Amherst Central Park, the filling and/or modification of the on-site non-jurisdictional wetlands would result in direct and permanent impacts to the water quality of those resources. However, the small non-jurisdictional wetlands that will be impacted are not regulated by the USACE or the NYSDEC and these impacts will be isolated to each specific non-jurisdictional wetland.

The Town will use Best Management Practices ("BMPs"), to be implemented pursuant to the Stormwater Pollution Prevention Plan ("SWPPP"), to prevent erosion and sedimentation into Ellicott Creek and other off-site locations. For example, areas of disturbed soils and spoil piles will be protected with appropriate erosion and sedimentation controls in order to avoid the potential for sedimentation into Ellicott Creek. Therefore no substantial impacts to stormwater are anticipated.

In addition, appropriate spill prevention and control procedures will be implemented during construction of the Amherst Central Park. Therefore, no impacts due to spills are anticipated.

Further, in the long-term, the Amherst Central Park is expected to contribute to an improvement in localized water quality through improved stormwater runoff management and infiltration control. The stormwater management practices will be maintained to preserve water quality, as well as for visual appeal and wildlife habitat. The stormwater management system will be designed to convey treated run-off into Ellicott Creek, maintaining flows and water quality in that waterway. The preservation of natural areas adjacent to Ellicott Creek also will serve to filter run-off and to preserve riparian vegetation, which also acts to control erosion through root system stabilization of the soil.

4.5.3 MITIGATION MEASURES

The canal feature located in the southwestern portion of the Property and identified in the Amherst Central Park Plan for expansion into a larger pond may be subject to federal and state permitting if that water is connected to other waters. The outlet of the canal feature and discharge location of those waters would be identified to determine any regulatory requirements, which could include enhancement of other wetlands onsite, offsite mitigation, or other mitigation as required by the ACOE and/or NYSDEC.

In comparison to the Mixed Use Alternative, loss of existing wetlands for the Park Alternative would be 95% less. While mitigation for impacts to regulated wetlands may be required, the total area anticipated to require mitigation would be less for the Park Alternative.

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4.6 Transportation

4.6.1 EXISTING CONDITIONS

The Town's transportation system includes a network of roads as well as bicycle and pedestrian paths and public transportation.

4.6.1.1 Vehicular Transportation

Overall, the Town has a well-developed road network, consisting of interstate highways, state and county arterial and collector roads and local streets. The Amherst Central Park is located between Maple Road (County Route 192, a minor arterial) and Sheridan Drive (New York State Route 324, a principal arterial road), west of North Forest Road and east of Frankhauser Road and Fairways Boulevard (local streets).

In preparation of the DGEIS for the Mixed Use Development, the Project Sponsor commissioned SRF Associates to prepare a Traffic Impact Study ("TIS") (refer to the DGEIS, Appendix Volume III, "Traffic Impact Study" and Appendix Volume IV "Revised Traffic Impact Study"). In its findings on the FGEIS, the Town concluded that the information in the 2017 TIS was insufficient to determine that mitigation for the substantial increase in traffic was sufficient.

In order to identify and evaluate the potential traffic impacts of the proposed Amherst Central Park, the Town contracted C&S Engineers, Inc (C&S) to prepare a TIS. The TIS report, dated October, 2023, is provided as Appendix E.

The study area for the 2023 TIS consisted of Sheridan Drive (NYS Route 324) and North (N.) Forest Road, with the following 5 existing intersections:

1. Sheridan Drive / Harlem Road (NYS Route 240),
2. Sheridan Drive / I-290 Ramps,
3. Sheridan Drive / Frankhauser Road,
4. Sheridan Drive / Fenwick Road,
5. Sheridan Drive / N. Forest Road.

The following section summarizes the existing traffic conditions, as described in detail in the 2023 TIS prepared by C&S.

Existing Roadway Network

Sheridan Drive (NYS Route 324) is classified as an urban principal arterial roadway under the jurisdiction of NYSDOT. Within the study area, motorists travel east and west using two travel lanes in each direction, a shared left turning lane with dedicated left turn lanes at intersections. Harlem Road (NYS Route 240)

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forms a T-junction with Sheridan Drive at the western end of the study area and North Forest Road intersects Sheridan Drive at the eastern end of the study area. Interstate 290 contains an exit and entrance ramp onto Sheridan Drive. Additionally, there are several minor intersections with Sheridan Drive such as: Sunrise Boulevard, Cranburne Lane, Frankhauser Road, and Fenwick Road. Apart from Frankhauser Road, these are all unsignalized intersections and primarily serve residential areas. Sheridan Drive primarily contains three travel lanes in each direction with a center turn lane from the western end of the study area to the area of the I-290 ramps. From the ramps, it runs with two travel lanes and a center turn lane to the eastern end of the study area. There are no existing bicycle accommodations along any road in the study area. Both Sheridan Drive and North Forest Road have sidewalks along both sides of the street near the proposed site.

Table 5 Street Network Information (Interstate Ramps and Local Roads)

Street	Jurisdiction	Functional Class	AADT	Speed Limit
Sheridan Drive (NYS Route 324)	NYSDOT	Urban Principal Arterial	36,681	45 mph
Harlem Road (NYS Route 240)	NYSDOT	Urban Minor Arterial	11,530	35 mph
Interstate 290 (WB entrance ramp)	NYSDOT	Urban Principal Arterial Interstate	8,301	-
Interstate 290 (WB exit ramp)	NYSDOT	Urban Principal Arterial Interstate	6,985	-
Sunrise Boulevard	Town of Amherst	Urban Local	-	30 mph
Cranburne Lane	Town of Amherst	Urban Local	-	30 mph
Frankhauser Road	Town of Amherst	Urban Local	-	30 mph
Fenwick Road	Town of Amherst	Urban Local	-	30 mph
North Forest Road	Erie County	Urban Principal Arterial & Urban Minor Arterial	9,583	35 mph

Existing Traffic Conditions in the Project Vicinity

Turning movement counts (TMCs) were collected for intersections within the study area. The data was collected on Thursday, September 21, 2023 from 3:00 PM to 6:00 PM and Saturday, September 23, 2023 from 11:00 AM to 2:00 PM. The study area weekday afternoon peak hour is 4:30 PM to 5:30 PM and the Saturday midday peak hour is 12:00 PM to 1:00 PM. A Level of Service (LOS) analysis was conducted for the intersections. The LOS for the signalized intersections were classified with a rating from 'A' to 'F', with 'A' representing the best conditions and 'F' the worst.

Accident History / Investigation

A collision analysis was conducted by C&S to evaluate the collision history of signalized intersections of Sheridan Drive at Frankhauser Road and Sheridan Drive at North Forest Road. Collision data was

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compiled, from January 2018 through December 2022. As detailed in the TIS, a total of 79 collisions were documented with 17 collisions at the Frankhauser Road intersection and 62 collisions at the North Forest Road intersection. Of these, 39% were reportable with injuries.

4.6.1.2 Bicycle and Pedestrian Circulation

There is no existing infrastructure for bicycling in the study area.

Sidewalks exist along both sides of Sheridan Drive for the entire length that is contained within the study area. Sidewalks are non-continuous along N. Forest Road. There are signalized crosswalks at the intersections of Sheridan Drive and Harlem Road, Sheridan Drive and Interstate 290 ramps, Sheridan Drive and Frankhauser Road, and Sheridan Drive and N. Forest Road. Marked crosswalks exist along Sheridan Drive at the intersections of Sunrise Boulevard, Cranburne Lane, and Fenwick Road. See the TIS in DSGEIS Appendix E (Figure 3 in Appendix A of the TIS) for the Pedestrian, Bicycle and Transit Map.

Bicycle and pedestrian networks, sidewalk and trails were analyzed within the Town of Amherst Bicentennial Comprehensive Plan Inventory and Analysis Report ("Inventory Report").[11] The Inventory Report makes reference to the Greater Buffalo-Niagara Regional Transportation Council ("GBNRTC") Regional Bikeway Implementation Plan ("RBIP") for the Buffalo-Niagara region. However, this plan has been updated with the new Bike Buffalo Niagara Regional Bicycle Master Plan 2020. This plan identifies the potential for establishing and preserving major regional connections with bicycle facilities. Within the plan the existing conditions were assessed and priorities were established based on the analysis. The regional plan provides design guidelines and treatment options for creating multi-modal corridors. Projects are listed in this report as areas to focus available funding sources on.

4.6.1.3 Public Transit

There is an existing operating bus line of the Niagara Frontier Transportation Authority (NFTA) present along Sheridan Drive, the 49 East Amherst line. There are 4 Bus stops in the study area. They are located at the intersections of Frankhauser Road and N. Forest Road.

4.6.2 POTENTIAL IMPACTS

No Build Condition

Historical traffic data was reviewed within the study area; there was an overall decrease in traffic volumes from 2011 to 2019. Based on the GBNRTC's regional Travel Demand Model (TDM), projections of future trip production and attraction for the no build condition anticipates a status quo condition with a small

[11] See Town of Amherst Bicentennial Comprehensive Plan. Inventory and Analysis Report. December 5, 2001. Available online at http://www.amherst.ny.us/pdf/planning/compplan/iar.pdf.

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reduction in traffic of 1% - 2% in the future. Any growth in the area is due to other proposed developments; no background growth rate is proposed to analyze the future no-build condition.

Westwood Mixed-Use Neighborhood Project

The Westwood Mixed Use Neighborhood TIS was completed in 2017 by SRF Associates. The proposed site for this traffic study is the same site as the Amherst Central Park. The proposed site development proposed in the Westwood Mixed Use project included a variety of residential single family and multi-family homes, office spaces, mixed use commercial and residential building, a hotel, a senior living facility, a community center, and a public park. Trip generation projections competed for this study used the ITE Trip Generation Manual, 9th Edition and the peak generation trips ranged between 407 to 698 (over AM/PM and entering/existing trips).

Amherst Central Park

As detailed below, estimated trips generated by the Amherst Central Park ranged from 82 to 262, substantially less than the estimated trips generated by the previously proposed Westwood Mixed Use Neighborhood. The impact to the nearby neighborhood and roadways by the Amherst Central Park will be less than a proposed Mixed Use neighborhood.

The Property is proposed with a variety of improvements for public use, some of which include pedestrian and bike trails, community building, pavilions, playgrounds, theaters, ice skating rink, winter market, historic village, and more. The Property is bounded by Maple Road to the north, Sheridan Drive to the south and residential neighborhoods to the east and west. There are two proposed access points to the park, one at the existing Westwood Country Club driveway from N. Forest Road, and the other on Sheridan Drive at the intersection with Fenwick Road. The development of the Property is estimated to be a phased buildout with a phase one completion within the next 5 years and a phase 2 completion in the next 10 years.

C&S reviewed the uses set forth in the Conceptual Development Plan to develop estimates for trip generation. A combination of the ITE's Trip Generation Manual, seating capacity assumptions based on architectural standards, and historic attendance data were used to determine trips for the Amherst Central Park. It is unlikely that all facilities will be peaking and running events that coincide with one another. To not overestimate the trip generation, but also use a conservative approach, the major generators of the park were used to estimate the trip generation. Assumptions for the trip generation are as follows:

- Not all facilities will be at capacity or running programs and events at the same time on the same day.
- The facilities that are expected to be the major generators were used for the trip generation (community building and music theater).
- The community building is expected to have a Universal Pre-Kindergarten (UPK) program. This program is expected to peak slightly earlier in the day from the PM peak of the street network,

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and also the music theater. Some trips were accounted for during the PM peak, to account for other community activities in the center, and late pick up/teacher departure for the UPK program.

- It is assumed that the music theater will offer evening performances. Seating capacity for the music theater was estimated using architecture standards based on the square footage of the facility. Vehicle occupancy rate was assumed to be 2.3 attendees/vehicle based on ITE Standards.
- It is assumed that there will still be some background trips using other facilities in the park such as the playground, splashpad, trails, etc. These background trips are accounted for in the trip generation.
- It is assumed that the park will create the most trips during the PM Peak (4:30-5:30 pm) and Saturday Midday Peak (12:00-1:00 pm).

Trip generation for the PM Peak and Saturday Peak was calculated and is outlined in Table 6 below.

Table 6 Trip Generation

Park Facility	ITE Land Use Code	PM Peak Trips			Saturday Midday Peak Trips		
		Entering	Exiting	Total	Entering	Exiting	Total
Park	411 Public Park	18	15	33	33	34	61
Community Building	495 Recreational Community Center	40	46	86	36	31	67
Theater	N/A	70	17	87	70	17	87
Ice Rink/Ribbon	465 Ice Skating Rink	31	26	57	60	53	113
Peak Hour Trips		**159**	**104**	**263**	**200**	**128**	**328**

Trip distribution was based on existing traffic patterns in the study area. The main entrance of the Park is proposed to be off of Sheridan Drive, across from Fenwick Road. It was assumed the majority of the trips (70%) will be entering and exiting from the main entrance, and 30% will use the entrance on N. Forest Road.

Sheridan Drive has an approximate 50% split of traffic distributed between eastbound and westbound for both peak hours. Therefore, the overall study area distribution is 50% are coming to and from the east, and 50% are coming to and from the west. The more localized distribution is traffic distributed between the I-290 ramps, Harlem Road, and N. Forest Road.

A capacity analysis of the study area intersections was also completed. Based on the capacity analysis for the build condition, the proposed site has minor impacts on the level of service experienced at the study area intersections. Levels of service have remained the same at all the signalized intersections. (LOS D or better). The intersection of Sheridan Drive and Fenwick Road is the location of a proposed site driveway. The addition of the site driveway and the added volume from the site have impacted the level of service for the movements at the intersection. The minor approaches at this intersection are operating at

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a LOS f for both the PM peak hour and the Saturday midday peak hour with long delays and queues. However, it is common for minor streets and left turns to have poor levels of service to benefit the level of service on the mainline in high traffic volume areas.

4.6.3 MITIGATION MEASURES

Mixed Use Alternative

Mitigation measures proposed for the Mixed Use Alternative included the following:

- Installation of a new traffic signal at the proposed full access public roadway to Sheridan Drive, at the time the roadway connection is completed. The signal should be coordinated with the existing traffic signal network along Sheridan Drive to the west of the Project Site.
- Installation a new traffic signal at the proposed full access public roadway connection to Maple Road when the roadway connection is completed.
- The proposed full access public roadway that will connect to Sheridan Drive should be designed to provide two lanes of exiting traffic and two lanes of entering traffic to both facilitate traffic movements and to achieve the desired alignment with Fenwick Road. The throat length of the driveway should be designed to accommodate vehicle queues exiting the site and reduce vehicle blockages of internal circulation roadways; therefore a minimum uninterrupted throat length of 200 feet is recommended by SRF Associates.
- Internal sidewalks should form an inter-connected network allowing users to actively walk amongst the various land use components to be included in the mixed use neighborhood. Additionally, internal paved recreational paths should be designed and installed to encourage bicycle use.
- The southern portion of the proposed mixed use neighborhood consisting of the commercial, higher density residential and the four-story hotel component should incorporate bicycle parking and related facilities into the design. Such facilities should include bike racks and consideration can be given to providing bike lockers, shower and changing facilities within one or more of the proposed buildings.
- Transportation demand management ("TDM") strategies should be considered and implemented when practical to reduce off-site vehicular trips.
- Consideration should be given to reducing the number of parking spaces constructed on- site given the mixed use nature of the proposed neighborhood, potential for non-vehicular trips, and the potential for shared parking between non-competing uses.

The GEIS noted that traffic related mitigation measures on highways in the vicinity of the Project Site that are subject to the jurisdiction of the New York State Department of Transportation ("NYSDOT") and the Erie County Department of Public Works ("ECDPW") including but not limited to Sheridan Drive, which is

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a NYS Highway and Maple Road, which is an Erie County Highway, including the timing of such mitigation measures, will be subject to the review and approval of these involved agencies.

The Town, in its Findings, noted that additional mitigation could be required.

Amherst Central Park Alternative

Mitigation is not necessary for the existing signalized intersections in the study area, as the proposed site has little impact on the levels of service at those intersections. Mitigation at the proposed site driveway on Sheridan Drive is recommended. A signal warrant analysis was conducted at the proposed site driveway. Based on the analysis, the expected volumes at the intersection did not warrant a new traffic signal. It is recommended that a traffic signal still be considered at the Amherst Central Park driveway on Sheridan Drive due to the long delays and vehicle queues expected at the site driveway and at Fenwick Road located across from the driveway. Refer to Appendix E for the signal warrant analysis.

Providing multi-modal access to Amherst Central Park should also be considered given the residential nature of the area and proposed amenities at the park. Of particular concern is providing a safe crossing of Sheridan Drive from the neighborhood immediately south of the park. If the traffic signal is installed at the Amherst Central Park driveway on Sheridan Drive, pedestrian signals should be included across all four legs. If the signal is not installed, consideration should be given to a High Intensity Activated Crosswalk (HAWK) signal or Rectangular Rapid Flashing Beacon (RRFB) with a center refuge median.

Transit access can be improved to Amherst Central Park as well. Working with NFTA, a dedicated bus stop could be provided along Sheridan Drive at the (proposed) signalized intersection with the site driveway. If the traffic signal is not installed, a dedicated bus stop could be added within the Park.

The recommended mitigation is substantially less in scope than mitigation required for the Mixed Use Alternative.

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4.7 Human Health

4.7.1 EXISTING CONDITIONS

As noted in the FEAF, the Property was used as a golf course and has evidence of soil contaminants as a result of past use of herbicides/pesticides (refer to the DGEIS, Appendix Volume IV, page 76 of pdf, "Phase 2 Environmental Site Assessment"). A comprehensive environmental assessment of the Property revealed the presence of contamination in soils at the site that exceed New York State Department of Environmental Conservation ("NYSDEC") Soil Cleanup Objectives for commercial, passive and active remediation land use. The prior owner of the Property sought to enter into the Brownfield Cleanup Program (BCP) on February 26, 2015 and a Brownfield Cleanup Agreement was established with the NYSDEC dated March 10, 2015. The Project Site was assigned under site code C915291. After the Property was transferred to the Town, the Brownfield Cleanup Agreement was terminated, effective April 2023. Prior to purchasing the Property, the Town met with NYSDEC Region 9 Representatives to plan appropriate NYSDEC oversight of anticipated construction and development activities for the development of the Amherst Central Park.

4.7.2 POTENTIAL IMPACTS

Regardless of the Alternative selected, adequate control measures will be in place to ensure that any contaminated soils are managed in accordance with applicable laws and be protective of the environment and human health.

No Action Alternative

In the No Action Alternative, the nature and extent of the required control measures would be minimized, as the Property would remain undeveloped and limited to passive use.

Mixed Use Alternative

In the Mixed Use Alternative, the private owner intended to enter the Brownfield Cleanup Program to conduct the necessary remediation under control by the NYSDEC.

Amherst Central Park Alternative

A voluntary order with NYSDEC is currently being negotiated and will be executed prior to intrusive activities at the Property.

The Town will be managing any contaminated soils generated as part of the development of the Amherst Central Park in accordance with all applicable environmental laws and in accordance with NYSDEC requirements. In terms of short-term potential environmental impacts related to disturbance of the contaminated soils onsite, the Town will implement specific provisions for protection of workers and residents through prescribed environmental safety and health controls. These measures will include: construction practices to limit fugitive dust; site-specific practices for excavating, storing and disposing of

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potentially contaminated soils to avoid surface water or groundwater exposure; and, monitoring of site conditions and community air quality during the development, in coordination with NYSDEC. In terms of long-term impacts, the remediation of the Property would provide a significant positive environmental impact by removing the potential for long-term human, environmental, and surface/groundwater exposure to the existing contamination.

4.7.3 MITIGATION MEASURES

Management and off-site disposal of any soils will be under the direction and regulatory control of NYSDEC to mitigate potential impacts to public health.

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5.0 Other Impacts

5.1 Cumulative Impacts

Based upon consultation with the Town's Planning Department, there are no submitted applications for projects in the vicinity of the Property requiring discretionary approvals and/or permits that would result in the necessity for consideration to be given to the potential cumulative impacts of more than the potential adverse environmental impacts associated with the proposed Amherst Central Park Alternative.

However, development of the Amherst Central Park would result in cumulative benefits associated with the proximity of new improvements to the existing Audubon Park and the contribution of the Park toward achieving Town goals for development of parks and path networks according to the Open Space plan.

5.2 Unavoidable Adverse Impacts

As is the case with any development project, the proposed development of the Amherst Central Park will result in certain unavoidable short-term and long-term adverse impacts. The unavoidable adverse environmental impacts associated with the Amherst Central Park that would result from construction activities that will be relatively short-term and will include noise impacts resulting from construction equipment and construction related traffic, which will be much less than the anticipated unavoidable impacts discussed in the GEIS with regard to the Mixed Use Alternative.

The long-term unavoidable impacts resulting from the proposed Amherst Central Park will likewise be much less than those anticipated for the project discussed in the GEIS, but may include:

- Changes in the character and use of the Property, resulting from a change in land use from a vacant former private country club and golf course to a Park. As discussed in Section 4.2, many of the anticipated changes will be beneficial.
- Changes of the existing drainage patterns on the Property.
- Changes in lighting levels on the Property.
- Increases in traffic volumes on roadways in the vicinity of the Property.

The Town believes the Amherst Central Park will adequately address these changes and will result overall in positive community character impacts and other planning objectives outlined in the Comprehensive Plan and discussed in Sections 1.2 and 4.2.

5.3 Irreversible and Irretrievable Commitments

Irreversible and irretrievable commitments resulting from the Amherst Central Park Alternative should be much less than those anticipated for the Mixed Use Alternative discussed in the GEIS, but may include:

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- The use of resources including materials to be used for infrastructure improvements, buildings, etc. that are part of the Amherst Central Park; and
- The loss of existing vegetation and the associated loss of wildlife habitat on those portions of the Property to be developed in the Amherst Central Park.

The Town believes the Amherst Central Park Alternative will entail minimal use of resources and will result in long term preservation of environmental resources onsite.

5.4 Growth-Inducing Aspects of the Project

The Amherst Central Park will not result in any direct or potentially significant growth inducing impacts. The Property is located within a developed portion of the Town that is currently served by a full complement of utilities including sanitary sewer lines, water lines and other existing utility infrastructure, which have adequate capacity to service the Amherst Central Park. The increases in traffic volumes associated with the Amherst Central Park volumes on the roadway network in the vicinity of the Property have been properly accounted for within the 2023 TIS.

The Property is located within a developed portion of the Town that is presently served by a full complement of utilities, which have adequate capacity in the vicinity of the Property. The required water and sanitary sewer extensions will not exceed the designed capacity of the existing systems and will not induce additional development.

In contrast, the Mixed Use Alternative would require far more extensive water connections and would exceed existing sanitary sewer capacity. By design, the Mixed Use Alternative would induce substantially more growth in residential and commercial development compared to the Park Alternative.

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6.0 Thresholds for Future Environmental Review of Related Actions

6.1 Introduction

This section of the DSGEIS provides information regarding the manner by which the Lead Agency and involved agencies will evaluate the potential environmental impacts of "future related actions" (sometimes referred to herein as "improvements") within the Amherst Central Park. The purpose of the Supplemental Findings Statement issued by the Lead Agency should set forth specific conditions or criteria under which future improvements not included in Appendix A will be undertaken or approved, including requirements for any subsequent compliance with SEQRA.[12]

6.2 SEQRA Compliance for Future Related Actions

The establishment of thresholds for the future environmental review of related improvements in the Amherst Central Park that are not set forth in Appendix A is an important component of this SGEIS. Examples of possible future related actions (aka improvements) may include development in the northern section of the Property in a manner that is not entirely consistent with the approved Conceptual Development Plan in Appendix A. This may occur given that the layout of the improvements as depicted on the Conceptual Development Plan is conceptual in nature. Instead, the layout as depicted on the Conceptual Development Plan is meant to depict the anticipated components of the Amherst Central Park and the maximum potential development that could occur without the need for additional environmental review(s) pursuant to SEQRA. The precise layout of improvements will be the subject of a ACP Application process for this Town-owned PUD. The future improvements will be reviewed in accordance with the process established in the PUD application.

The thresholds for environmental review for future improvements not included in Appendix A are intended to provide a framework for the Lead Agency and interested agencies to utilize to ensure compliance with the procedural and substantive requirements of SEQRA.

When future improvements are proposed within Amherst Central Park, the Town will take a step-wise approach to review under SEQRA:

- If the proposed improvement is a SEQRA Type II Action, no additional review is required.

[12] See 6 NYCRR Part 617.10(d). The same subsection of the SEQRA Regulations also states that a Findings Statement issued by a lead agency may include thresholds and criteria for supplemental EISs to reflect specific significant impacts, such as site-specific impacts, that were not adequately addressed or analyzed in the generic EIS.

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- If the proposed improvement is a SEQRA Type I Action, a new Supplemental EIS or SGEIS will likely be required.
- If the proposed improvement is a SEQRA Unlisted Action, the Town will assess whether the potential environmental impacts associated with the improvement have been adequately addressed within the SGEIS, and the Supplemental Findings Statements.

In making this determination, the Lead Agency will need to determine whether the ACP Application is consistent with this SGEIS and Supplemental Findings to be issued. Specifically,

1. If the Town determines that the future improvement will be carried out in conformance with the thresholds established in the SGEIS or Supplemental Findings Statement, then no further SEQRA compliance will be required;
2. If the Town determines that the future improvement was adequately addressed in the SGEIS but not adequately addressed in the Supplemental Findings Statement, then an amended Supplemental Findings Statement must be prepared;
3. If the Town determines that the future improvement is not addressed, or not adequately addressed, in the SGEIS, but it will not result in any significant adverse environmental impact, then a negative declaration must be prepared; or
4. If the Town determines that the future improvement is not addressed, or is not adequately addressed, in the SGEIS and may have one or more significant adverse environmental impacts, then a supplement to the SGEIS must be prepared.[13]

6.3 Thresholds for the Development of the Property

The following thresholds have been established for Amherst Central Park. If a future related action or improvements are not consistent with the thresholds as provided below, the Town will need to conduct an environmental review of the future improvement.

1. The Property will be developed consistent with the PUD Application, which represents the maximum anticipated development of the Amherst Central Park.
2. As discussed above, the Amherst Central Park will include the following construction:
   - Ice Ribbon and Ice Rink, approximately 25,000 SF
   - Inclusive Playground, approximately 12,500 SF
   - Splash Pad, approximately 6,100 SF

[13] See 6 NYCRR Part 617.10(d).

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- Public Plaza, approximately 20,000 SF including a Winter Market, approximately 5,000 SF (buildings)
- Renovation of the former clubhouse into a Community Building, approximately 2,500 SF addition to existing (approximately 44,500 SF total at completion, including basement and all floors), to provide services including space for a Universal Pre-Kindergarten (UPK) program
- Outdoor Amphitheater, approximately 3,300 SF
- Community Theater Building, approximately 31,600 SF
- New building for the Buffalo Niagara Heritage Village Museum – approximately 36,000 SF, as well as relocation of historical buildings associated with the museum, totaling approximately 20,000 SF
- Enhancement of an existing wetland as a decorative pond and associated onsite mitigation (if required) and filling or modification of non-regulated wetlands
- Ancillary park improvements such as playgrounds, gardens/greenhouses, pedestrian access/pathways, educational kiosks and access drives as shown conceptually on the PUD plan
- Construction of required mechanical buildings, public restrooms, parking lots, and supportive utilities such as storm sewers and stormwater management features, sanitary sewers, water, fiber optic cables, electric and natural gas service

3. Amherst Central Park will be developed in a manner that is consistent with the approved Conceptual Development Plan in accordance with the procedures set forth in the PUD Application for this Town-owned Amherst Central Park PUD.

4. Amherst Central Park will be developed and utilized in accordance with mitigation measures as contained in the Supplemental Findings Statements to be issued by the Town Board, in its capacity as the designated Lead Agency.

The thresholds for the environmental review of future improvements will be included in the Supplemental Findings Statement to be issued by the Town Board at the conclusion of the pending environmental review of the proposed Amherst Central Park pursuant to SEQRA.

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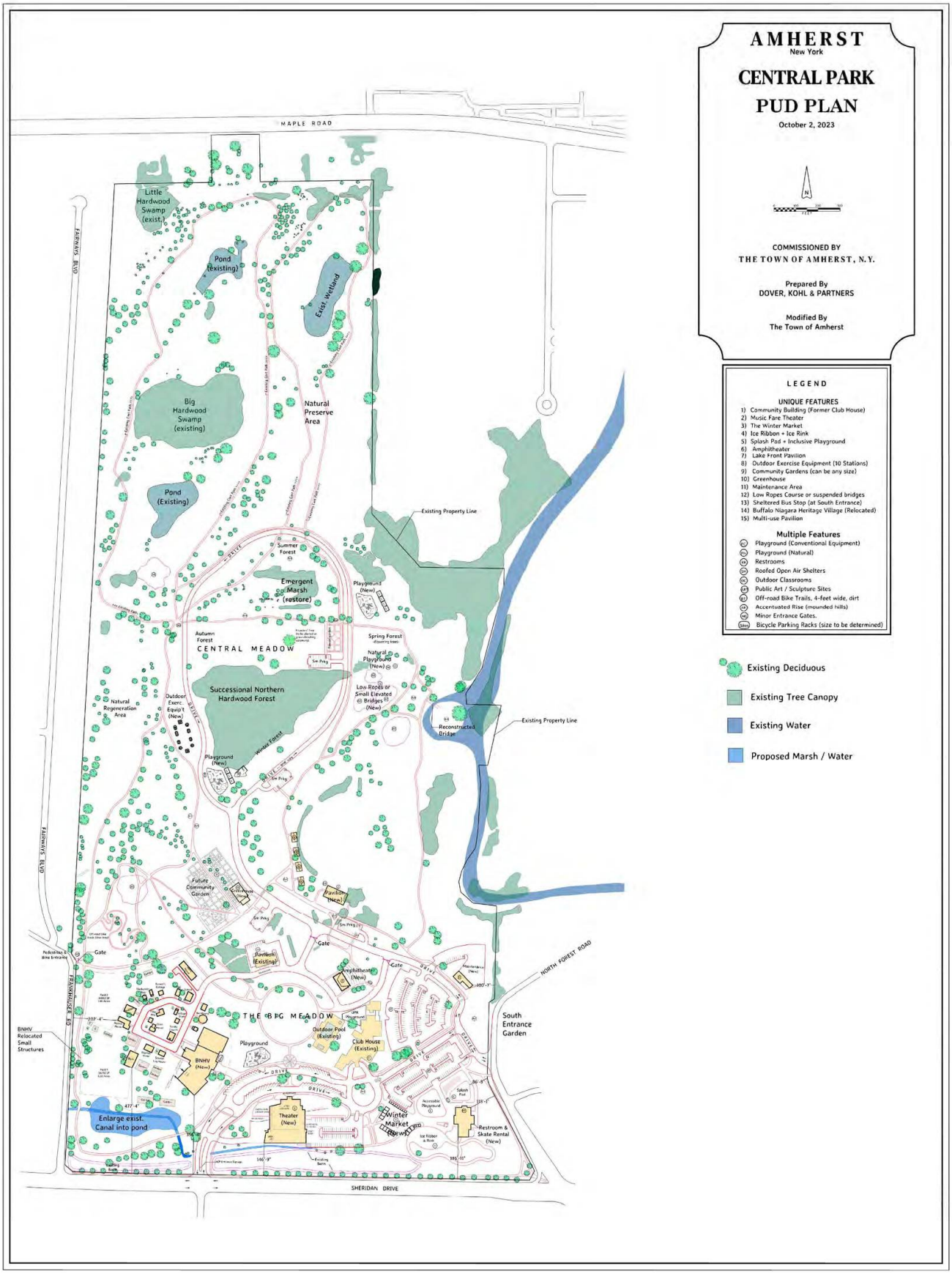
APPENDICES

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Appendix A Amherst Central Park PUD Conceptual Plan

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)



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Appendix B Amherst Central Park Complete Application and EAF

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Amended October 12, 2023

TOWN OF AMHERST PLANNING DEPARTMENT

Application for Planned Unit Development (PUD) 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

PUD Plan Review fees to be determined

To Be Completed By Applicant

Petitioner:

Name: Town of Amherst Town Board

Address: Town of Amherst

5583 Main Street

Williamsville NY 14221

city state zip code

Phone: 716-631-7051 Fax: _____

E Mail: planningemail@amherst.ny.us

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

Name: Daniel C. Howard, AICP, Planning Director

Address: Town of Amherst

5583 Main Street

Williamsville, NY 14221

city state zip code

Phone: 716-631-7051 Fax: _____

E Mail: dhoward@amherst.ny.us

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PLANNED UNIT DEVELOPMENT (PUD) APPLICATION (con't) ***Page 2***

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

Address: 772 North Forest, 385 Maple Road, 391 Maple Road

Williamsville, NY

SBL No(s): 68.01-1-1.2, 55.18-4-9 & 55.18-4-10

Project Name: Amherst Central Park

Project Description:

Adoption of a conceptual development plan for a planned unit development for the conversion of a former private golf course to a community park to include cultural, recreational and civic public spaces on an approximately 170.5 +/- acre parcel (see attached description)

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):

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PLANNED UNIT DEVELOPMENT (PUD) APPLICATION (con't) ***Page 3***

	existing	proposed	total
Gross Floor Area (non-residential):	13,411 sf	175,077 sf	188,488 sf
Gross Floor Area Residential:	0	0	0
Number of Residential Units:	0	0	0
Number of Parking Spaces:	240	323	563

Acreage of Parcel: 170.5 +/- acres

(list each parcel separately)

Frontage on Public Roads: 1823.97 feet Sheridan Drive, 887.89 feet North Forest Road

(list each road separately) & 110 feet Maple Road

Existing Zoning District(s) RC- Recreation Conservation

X:\Current_Planning\Application Forms 2021\PUD Application Packet_2023.docx
REVISED July 2023

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Conceptual Development Plan for Amherst Central Park Planned Unit Development

The Town of Amherst Conceptual Development Plan for the Amherst Central Park Planned Unit Development (PUD Plan) proposes the development of a Town Park on 170.55 acres of land on the former Westwood County Club property located at 772 North Forest Road and 385 & 391 Maple Road ("Property"). The future Amherst Central Park is an opportunity to create a beautiful natural community resource for the enjoyment of people of all ages. The Park will provide a place for people to connect and interact in a shared environment and brings intrinsic environmental, civic, and recreation benefits to residents and visitors to the Town.

Background

In November 2017 the Town Board, acting as the Lead Agency, issued a Final Generic Environmental Impact Statement ("FGEIS") for the proposed development of a 170 acre the former Westwood Country Club ("Property"). The FGEIS was prepared in response to an application submitted by the then-owner of the Property, requesting approval to rezone it from Recreation Conservation (RC) District to Traditional Neighborhood Development District (TND), Multi-Family Residential District 7 (MFR-7) and General Business District (GB). The "Westwood Neighborhood Rezoning Application" involved 130 town homes, 180 multi-family residential units, 26 larger patio homes, 57 smaller patio homes, 41 single-family homes, 104 senior independent living units, 130 hotel rooms and finally 212 multi-family residential units in mixed-use buildings.

Following preparation of the FGEIS, the Town Board issued its State Environmental Quality Review (SEQR) Findings Statement on December 11, 2017, and concluded that:

> Consistent with social, economic and other essential considerations from among the reasonable alternatives available, the Project does not avoid or minimize adverse environmental impacts to the maximum extent practicable, and that adverse impacts will not be avoided or minimized to the maximum extent practicable by incorporating as conditions to the decision those mitigative measures that were identified as practicable.

The rezoning application was denied.

Since that time, the Town of Amherst has purchased the property and through planning and public input has prepared a proposed Conceptual Development Plan for the Amherst Central Park. The Town Board has prepared an Application for the Property to be subject to a Planned Unit Development to implement the Conceptual Development Plan.

The Amherst Central Park PUD Plan

The proposed Town of Amherst Central Park PUD Plan is the product of a multi-year participatory planning process involving municipal leaders, residents, community stakeholders and consultants. The Plan proposes a multi-use park featuring natural resources, a community center for activities related to environmental education, fine arts, active and passive recreation, and historic preservation. The Park will provide a place for people to connect and interact in a shared environment and brings intrinsic environmental, civic, and recreation benefits to residents and visitors to the Town.

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The area envisioned for the Amherst Central Park has been designated for recreation and open space uses as proposed in the PUD Plan for a long time. As a former Country Club, the Property included golf, tennis, swimming and civic uses associated with its Clubhouse. Recommended as Recreation, Open Space, and Greenways in the Town's Bicentennial Comprehensive Plan (Figure 6), and a component of the Amherst Local Waterfront Revitalization Program (LWRP) Plan (Section 4), the Park, with its location along Ellicott Creek is a featured project for recreation and waterfront enhancement in the Town.

Figure 1 illustrates the proposed Conceptual Development Plan for the PUD. Initial work will begin in the southern portion of the Property. Using an existing entrance with access to North Forest Road and a proposed entrance to Sheridan Drive, the Plan proposes the following features moving from the southeast to the southwest portion of the parcel:

- Parking Lot Restoration and Expansion,
- Ice Ribbon and Ice Rink, approximately 24,400 SF
- Inclusive Playground, approximately 12,400 SF – adjacent to the Ice Ribbon and Ice Rink area
- Splash Pad, approximately 6,100 SF – adjacent to the Inclusive Playground
- Mechanical Building to support the Ice Ribbon and Splash Pad with Public Restrooms
- Public Plaza – to feature a Winter Market and host a variety of community and economic driving events
- Renovated Community Building (the Former Clubhouse) to include publicly accessible amenities along with a portion of the building to become a universal Pre-Kindergarten site for the Williamsville School District,
- Outdoor Amphitheater
- Community Theater Building, approximately 31,000 SF to accommodate a prospective tenant, Musical Fare
- Buffalo Niagara Heritage Village Museum area to include a new building, themed playground and the relocated historical buildings (to be relocated from their current site under professional direction), and
- Supportive utilities such as sanitary sewers, water, electric and natural gas service.

The northern portion of Amherst Central Park is planned for natural-passive recreation along with preservation of existing ponds, wetlands and hardwood areas. From the southern portion, moving to the north, a proposed main loop drive provides access to features such as maintained trails and bike paths, natural playgrounds, and a variety of community gardens and tree plantings.

Supplemental Environmental Review

The PUD Plan is subject to review under the SEQR Act. A supplement to the FGEIS (SGEIS) is required because, pursuant to 6 NYCRR 617.10(d)(4), "[t]he subsequent proposed action was not addressed or was not adequately addressed in the Generic EIS and the subsequent action may have one or more significant adverse environmental impacts." The Town has prepared a Part 1 Environmental Assessment Form for the Central Park Project, as well as a proposed Part 2 and Part 3 for consideration by the Town Board. There are four potential significant adverse environmental impacts that should be addressed in a supplement to the FGEIS. The following are the four impacts:

1. Impact on land

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2. Impact on surface water
3. Impact on transportation
4. Impact on human health

The Town Board will prepare a Supplement FGEIS for the four items requiring further analysis. It should be noted that in light of the prior SEQRA analysis for the Property, and public outreach, the Town Board may decide to waive scoping for the preparation of the Supplemental FGEIS. As part of the planned unit development process, both the Planning Board and the Town Board will be holding public hearings on the PUD Plan Application.

Amherst Central Park Facility Improvements Review Process

The Town is developing the Park pursuant to the Planned Unit Development (PUD) Process set forth in Section 6-9 of the Zoning Code, as the Property is in excess of 30 acres. As set forth in Zoning Code 6-9-1, the purpose of the PUD Process is to permit coordinated development that allows flexibility to respond to market demands. Pursuant to Zoning Code 6-9-2, the Town Board intends to adjust the regulations, standards and criteria of the Zoning Ordinance as part of the PUD Process for the Amherst Central Park to implement the Conceptual Development Plan and future improvements that are not part of the Conceptual Development Plan. Figure 2 on the following page sets forth the process for developing, approving and implementing the improvements in Amherst Central Park.

As part of the development of the Amherst Central Park, the Town Board will establish an Amherst Central Park (ACP) Planning Team, which will include, but not be limited to, the Director of Facilities, the Town Engineer, Town Architect, Building Commissioner, Planning Director, and Police/Fire Representative.

The Amherst Central Park (ACP) Facility Improvement Review Process depicted in figure 2 is described in more detail below.

1. The Director of Facilities will initiate planning for a Park improvement, which may commence through his or her own initiative; through specific direction by the Town Board; through implementation of projects previously approved by the Board or set forth in the Town's Capital Improvement Program (CIP).
2. Once the concept has been initiated, the Director of Facilities will direct the ACP Planning Team to commence planning and design of the improvement.
3. The Director of Facilities will work with the Planning Director to determine the level of review necessary (major or minor) and prepare a Facilities Improvement Plan application ("ACP Application") for the ACP Planning Team to review.
4. The Planning Department will prepare and distribute the ACP Application to the ACP Planning Team, and other agencies as appropriate, for comments and recommendations.

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Proposed Amherst Central Park (ACP) Facility Improvement Review Process

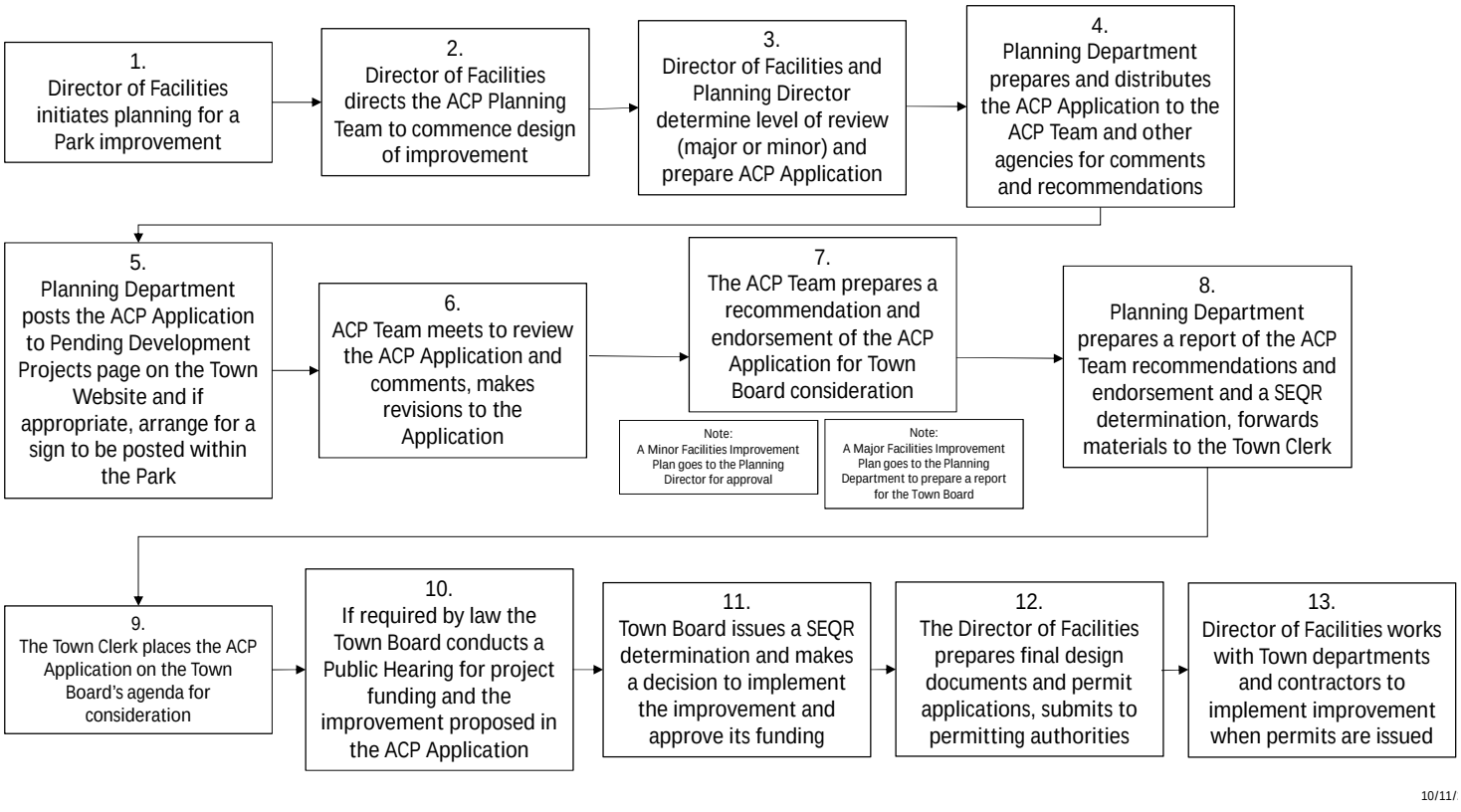

Figure 2

5. The Planning Department will post the ACP Application to its Pending Development Projects page on the Town Website and, if appropriate, arrange to post a sign with notice of the improvement within the Park.

6. The ACP Planning Team will meet to review the ACP Application and comments received, and, if necessary, makes revisions to the ACP Application based upon the comments received.

7. The ACP Planning Team will prepare a recommendation and endorsement in support of the ACP Application for consideration by the Town Board.

8. The Planning Department prepares a report of the ACP Team recommendations and endorsement and a SEQR determination, forwards materials to the Town Clerk.

9. The Town Clerk will place the ACP Application on the Town Board's agenda for consideration.

10. If required by law, the Town Board will conduct a Public Hearing for project funding and the improvement proposed in the ACP Application.

11. The Town Board will issue a SEQRA determination and makes a decision whether to proceed with approving and implementing the improvement set forth in the ACP Application and its funding.

12. The Director of Facilities will prepare final design documents and appropriate permitting applications, submits materials to the permitting authority.

13. Director of Facilities will work with appropriate Town Departments and contractors to implement the improvement once the permitting authorities issue the necessary permits.

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AMHERST
New York

CENTRAL PARK
Concept Plan
October 2, 2023

COMMISSIONED BY
THE TOWN OF AMHERST, N.Y.

Prepared By
DOVER, KOHL & PARTNERS

Modified By
The Town of Amherst



LEGEND

UNIQUE FEATURES
1) Community Building (Former Club House)
2) Music Fare Theater
3) The Winter Market
4) Ice Ribbon + Ice Rink
5) Splash Pad + Inclusive Playground
6) Amphitheater
7) Lake Front Pavilion
8) Outdoor Exercise Equipment (10 Stations)
9) Community Gardens (can be any size)
10) Greenhouse
11) Maintenance Area
12) Low Ropes Course or suspended bridges
13) Sheltered Bus Stop (at South Entrance)
14) Buffalo Niagara Heritage Village (Relocated)
15) Multi-use Pavilion

Multiple Features
- (PG) Playground (Conventional Equipment)
- (PN) Playground (Natural)
- (RR) Restrooms
- (SH) Rooted Open Air Shelters
- (OC) Outdoor Classrooms
- (AR) Public Art / Sculpture Sites
- (BT) Off-road Bike Trails, 4-feet wide, dirt
- (AR) Accentuated Rise (mounded hills)
- (GA) Minor Entrance Gates
- (BRX) Bicycle Parking Racks (size to be determined)

Existing Deciduous
Existing Tree Canopy
Existing Water
Proposed Marsh / Water

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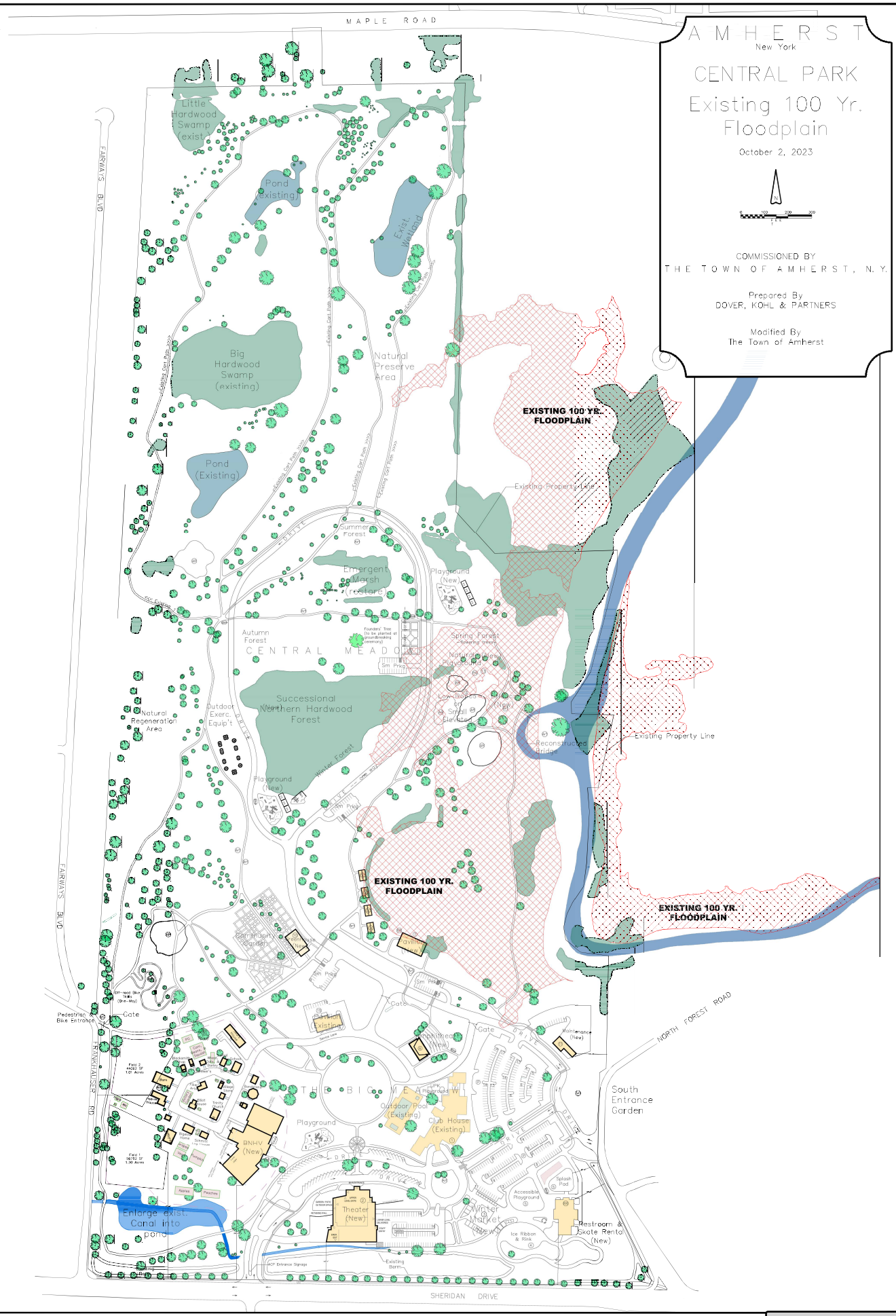

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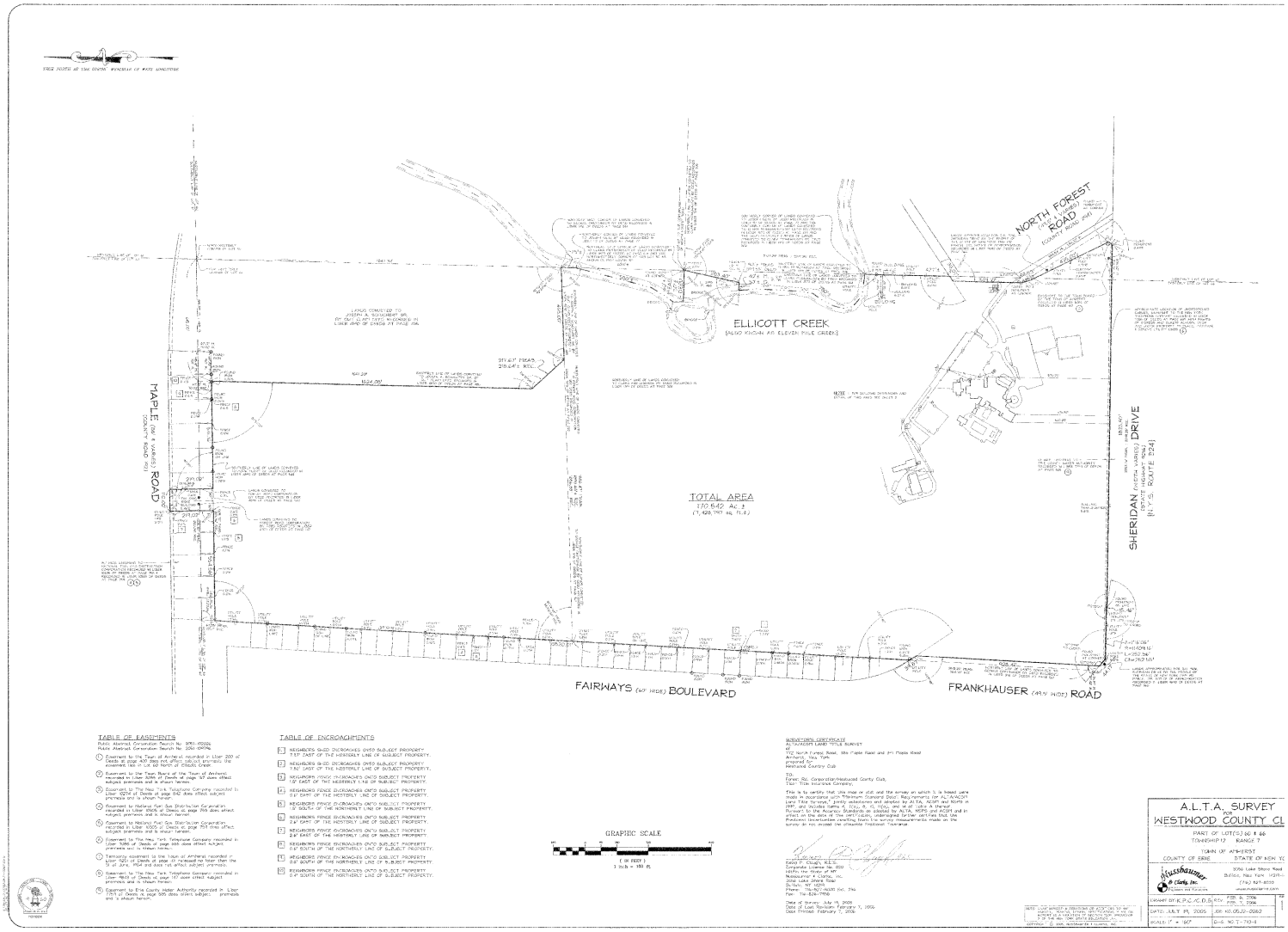

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Full Environmental Assessment Form
Part 1 - Project and Setting

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: Amherst Central Park		
Project Location (describe, and attach a general location map): Property located at 772 North Forest Road, 385 & 391 Maple Road		
Brief Description of Proposed Action (include purpose or need): Adoption of a conceptual development plan for a planned unit development for the conversion of a former private golf course to a community park to include cultural, recreational and civic public spaces on an approximately 170.5 +/- acre parcel.		
Name of Applicant/Sponsor: Town of Amherst	Telephone: (716) 631-7051 E-Mail:	
Address: 5583 Main Street		
City/PO: Williamsville	State: NY	Zip Code: 14221
Project Contact (if not same as sponsor; give name and title/role): Daniel C. Howard, AICP, Planning Director	Telephone: (716) 631-7051 E-Mail: dhoward@amherst.ny.us	
Address: 5583 Main Street		
City/PO: Williamsville	State: NY	Zip Code: 14221
Property Owner (if not same as sponsor):	Telephone: E-Mail:	
Address:		
City/PO:	State:	Zip Code:

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B. Government Approvals

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

Government Entity	If Yes: Identify Agency and Approval(s) Required	Application Date (Actual or projected)
a. City Counsel, Town Board, or Village Board of Trustees ☑Yes ☐No	Town Board	October 2023
b. City, Town or Village Planning Board or Commission ☑Yes ☐No	Planning Board (PUD recommendation)	TBD
c. City, Town or Village Zoning Board of Appeals ☐Yes ☑No		
d. Other local agencies ☑Yes ☐No	Amherst Building Department - Construction permits	TBD
e. County agencies ☑Yes ☐No	Erie County Dept of Environment and Planning 239GML & ECDPW - ROW permits	October 2023
f. Regional agencies ☐Yes ☑No		
g. State agencies ☑Yes ☐No	NYSDOT - ROW permit NYSDEC - SPDES and wetland permits	TBD
h. Federal agencies ☑Yes ☐No	US Army Corps of Engineers -CWA 404	TBD

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):

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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?
RC- Recreation Conservation

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? no zoning district change, however, adjustments are proposed as part of the PUD application

C.4. Existing community services.

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

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?
Snyder Fire District, Millard FIllmore Suburban Hospital

d. What parks serve the project site?
Town of Amherst Audubon Golf Course, Town of Amherst Northtown Center (Ice Rink) & Recreation Complex (Athletic Fields), Town of Amherst Par 3 Golf Course, Town of Amherst Ellicott Creek Trailway (bike path and tennis courts)

D. Project Details

D.1. Proposed and Potential Development

a. What is the general nature of the proposed action (e.g., residential, industrial, commercial, recreational; if mixed, include all components)? Mixed - Recreation, Civic, Community Facility, Commercial

b. a. Total acreage of the site of the proposed action? 170.5 acres
b. Total acreage to be physically disturbed? 17+/- acres
c. Total acreage (project site and any contiguous properties) owned or controlled by the applicant or project sponsor? 170.5 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 TBD
- Anticipated commencement date of phase 1 (including demolition) June month 2024 year
- Anticipated completion date of final phase June month 2034 year
- Generally describe connections or relationships among phases, including any contingencies where progress of one phase may determine timing or duration of future phases:
The southern portion of the project site will be completed first, which will have the most intensive development with recreation, community and civic facilities.

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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 11+/-new plus 20 +/- relocated structures

ii. Dimensions (in feet) of largest proposed structure: 40 height; 150 width; and 200 length

iii. Approximate extent of building space to be heated or cooled: 30,000 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: creation of decorative pond

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: 937.79 million gallons; surface area: 0.96 acres

v. Dimensions of the proposed dam or impounding structure: 3 height; 450+/- length

vi. Construction method/materials for the proposed dam or impounding structure (e.g., earth fill, rock, wood, concrete):
excavation of existing town drainage way

D.2. Project Operations

a. Does the proposed action include any excavation, mining, or dredging, during construction, operations, or both? ☑ Yes ☐ No
(Not including general site preparation, grading or installation of utilities or foundations where all excavated materials will remain onsite)

If Yes:

i .What is the purpose of the excavation or dredging? Removal of soil for buildings and pond construction

ii. How much material (including rock, earth, sediments, etc.) is proposed to be removed from the site?

- Volume (specify tons or cubic yards): TBD
- Over what duration of time? TBD

iii. Describe nature and characteristics of materials to be excavated or dredged, and plans to use, manage or dispose of them. Will there be onsite dewatering or processing of excavated materials? ☐ Yes ☐ No If yes, describe. removal of existing natural soil strata and historical soil fill material from golf course construction. Management and off site disposal of any soils will be under the appropriate oversight of NYS DEC. ☐ ☑

iv.

v. What is the total area to be dredged or excavated? TBD acres

vi. What is the maximum area to be worked at any one time? TBD acres

vii. What would be the maximum depth of excavation or dredging? TBD feet

viii. Will the excavation require blasting? ☐ Yes ☑ No

ix. Summarize site reclamation goals and plan:
site to be reclaimed for passive and active recreation.

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): see isolated wetlands and unregulated tributaries in the delineation report prepared by Earth Dimensions, Inc. dated June12, 2023

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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:

The Town will alter the wetlands identified as wetland W11 and W12 to accommodate the location of a theater and museum building. Tributary 3 will be also be altered. These water bodies will be altered to accommodate stormwater detention and a decorative pond.

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

If Yes, describe: construction of a decorative pond may disturb existing sediments in tributary 3

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: _____

Disturbed area will be reclaimed to a decorative pond in the southwest corner of the initial project area.

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: 100,000 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: Town of Amherst/ECWA Lease Management Area
- Does the existing public water supply have capacity to serve the proposal? ☑ Yes ☐ No
- Is the project site in the existing district? ☑ Yes ☐ No
- Is expansion of the district needed? ☐ Yes ☑ No
- Do existing lines serve the project site? ☑ Yes ☐ No

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

If Yes:

- Describe extensions or capacity expansions proposed to serve this project: building service lines and a new main extension will be constructed to service the buildings.
- 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: N/A
- Date application submitted or anticipated: N/A
- Proposed source(s) of supply for new district: N/A

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: 80,000 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 will be generated, including splash pad spray to drain system and backwash water for swimming pool

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 Plant #16
- Name of district: Town of Amherst Consolidated 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

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- 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: A sanitary main extension will be constructed to service the site with individual laterals for each new occupied buildings.

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

If Yes:

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

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):

N/A

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

N/A

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 16.85 acres (impervious surface)

_____ Square feet or 170.5 acres (parcel size)

ii. Describe types of new point sources. The creation of new parking lots, impervious park spaces, paved pathways, Town facilities, landscaped/manicured lawn spaces and park/access roads.

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)?

Site runoff will be captured and treated in source proximity before being conveyed through a piped tiered system to a storm detention pond for additional treatment and attenuation. Ultimately, runoff will be discharged to Ellicott Creek.

- If to surface waters, identify receiving water bodies or wetlands: Ellicott Creek, Wetland W11 and tributary 3
- 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)

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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 240 Proposed 563 Net increase/decrease + 323

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:

The project site consists of improving the entry off of North Forest Road and adding a driveway along Sheridan Drive.

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: _____

TBD

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

National Grid (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: 7am to 7pm
- Saturday: 7am to 7pm
- Sunday: _____
- Holidays: _____

ii. During Operations:

- Monday - Friday: available 24 hours
- Saturday: available 24 hours
- Sunday: available 24 hours
- Holidays: available 24 hours

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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:

Heavy equipment will be used on site during construction during 7am to 7pm Monday through Friday.

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

Describe: The intent is to keep natural buffers intact between land uses.

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:

The project will consist of parking lot and street lighting as per Town of Amherst Engineering road standards and Zoning Code requirements per Chapter 203-7-3.

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:

The proposed Buffalo Niagara Heritage Village museum will have outdoor living displays ,which may include livestock and poultry. Such displays will be 150'+/- from the nearest occupied structures to the west of the project site.

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):

During operation, pesticide use may include routine rodent baiting associated with food service operations.
During operation, limited herbicide use may be utilized to control invasive weed growth.

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: building materials waste tons per TBD (unit of time)
- Operation : refuse/food wastes tons per TBD (unit of time)

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

- Construction: TBD
- Operation: source separation of recyclables

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

- Construction: TBD
- Operation: Solid waste landfill

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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 Unknown if hazardous waste will be generated as part of construction remediation activities. If yes, hazardous materials will be disposed of at a hazardous waste facility with concurrence of NYSDEC.

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): Municipal Facility, Recreation and Utilities

ii. If mix of uses, generally describe:

The project site was operated as a private golf course surrounded predominantly by residential housing. The Town's Highway Department is located to the east and the Town Audubon and Par 3 golf courses are located to the north of the property. Within close proximity are commercial land uses.

b. Land uses and covertypes on the project site.

Land use or Covertype	Current Acreage	Acreage After Project Completion	Change (Acres +/-)
• Roads, buildings, and other paved or impervious surfaces	8.66	25.51	16.85
• Forested	14.97	14.97	0
• Meadows, grasslands or brushlands (non-agricultural, including abandoned agricultural)	136.66	109.21	-27.45
• Agricultural (includes active orchards, field, greenhouse etc.)	0	0	0
• Surface water features (lakes, ponds, streams, rivers, etc.)	3.34	4.3	+0.96
• Wetlands (freshwater or tidal)	10.26	10.09	-0.17
• Non-vegetated (bare rock, earth or fill)	0	0	0
• Other Describe: _____			

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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:
Maplemere Elementary School

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:
soil contaminates have been identified on the site associated with the use of herbicides and pesticides when operated as a golf course by prior owners.

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): C915291
☐ 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): C915291, C915207

iv. If yes to (i), (ii) or (iii) above, describe current status of site(s):

Brownfield site C915291 was terminated from the NYS Brownfield Program in April 2023 by notice of the transfer of the Property to the Town of Amherst.
Adjacent site C915207 is "completed" per the NYSDEC Site Registry.

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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? >80 inches 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:

Odessa (silt loam)	38 %
Claverack (loamy fine)	18 %
Cosad (loamy fine sand)	15 %

d. What is the average depth to the water table on the project site? Average: 0.5-1.5 feet

e. Drainage status of project site soils:
☐ Well Drained: _____ % of site
☑ Moderately Well Drained: 90 % of site
☑ Poorly Drained 10 % 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 837-25 Ellicott Creek Classification B
- Lakes or Ponds: Name _____ Classification _____
- Wetlands: Federal Waters, Federal Waters, Federal Waters,... 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:
Name - Pollutants - Uses:Ellicott Creek, Lower, and tribs – Nutrients;Silt/Sediment – 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: _____

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m. Identify the predominant wildlife species that occupy or use the project site:
deer, rabbits, squirrels, mice
turkeys
red fox, coyotes

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: _____

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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: Eligible property:829 NORTH FOREST RD, AMHERST

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 Daniel C. Howard, AICP Date October 2, 2023

Signature _____ Title Planning Director

PRINT FORM

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EAF Mapper Summary Report

Friday, August 18, 2023 2:08 PM



Disclaimer: The EAF Mapper is a screening tool intended to assist project sponsors and reviewing agencies in preparing an environmental assessment form (EAF). Not all questions asked in the EAF are answered by the EAF Mapper. Additional information on any EAF question can be obtained by consulting the EAF Workbooks. Although the EAF Mapper provides the most up-to-date digital data available to DEC, you may also need to contact local or other data sources in order to obtain data not provided by the Mapper. Digital data is not a substitute for agency determinations.



B.i.i [Coastal or Waterfront Area]	No
B.i.ii [Local Waterfront Revitalization Area]	No
C.2.b. [Special Planning District]	Yes - Digital mapping data are not available for all Special Planning Districts. Refer to EAF Workbook.
C.2.b. [Special Planning District - Name]	Remediaton Sites:C915291, NYS Heritage Areas:West Erie Canal Corridor
E.1.h [DEC Spills or Remediation Site - Potential Contamination History]	Yes - Digital mapping data for Spills Incidents are not available for this location. Refer to EAF Workbook.
E.1.h.i [DEC Spills or Remediation Site - Listed]	Yes
E.1.h.i [DEC Spills or Remediation Site - Environmental Site Remediation Database]	Yes
E.1.h.i [DEC Spills or Remediation Site - DEC ID Number]	C915291
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]	C915291, C915207
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]	837-25
E.2.h.iv [Surface Water Features - Stream Classification]	B
E.2.h.iv [Surface Water Features - Wetlands Name]	Federal Waters

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E.2.h.v [Impaired Water Bodies]	Yes
E.2.h.v [Impaired Water Bodies - Name and Basis for Listing]	Name - Pollutants - Uses:Ellicott Creek, Lower, and tribs – Nutrients;Silt/Sediment – Aquatic Life
E.2.i. [Floodway]	Yes
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]	Yes - Digital mapping data for archaeological site boundaries are not available. Refer to EAF Workbook.
E.3.e.ii [National or State Register of Historic Places or State Eligible Sites - Name]	Eligible property:829 NORTH FOREST RD, AMHERST
E.3.f. [Archeological Sites]	Yes
E.3.i. [Designated River Corridor]	No

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Agency Use Only [If applicable]

Project : ACP - PUD Application

Date : 10/2/2023

Full Environmental Assessment Form
Part 2 - Identification of Potential Project Impacts

Part 2 is to be completed by the lead agency. Part 2 is designed to help the lead agency inventory all potential resources that could be affected by a proposed project or action. We recognize that the lead agency's reviewer(s) will not necessarily be environmental professionals. So, the questions are designed to walk a reviewer through the assessment process by providing a series of questions that can be answered using the information found in Part 1. To further assist the lead agency in completing Part 2, the form identifies the most relevant questions in Part 1 that will provide the information needed to answer the Part 2 question. When Part 2 is completed, the lead agency will have identified the relevant environmental areas that may be impacted by the proposed activity.

If the lead agency is a state agency **and** the action is in any Coastal Area, complete the Coastal Assessment Form before proceeding with this assessment.

Tips for completing Part 2:

- Review all of the information provided in Part 1.
- Review any application, maps, supporting materials and the Full EAF Workbook.
- Answer each of the 18 questions in Part 2.
- If you answer "**Yes"** to a numbered question, please complete all the questions that follow in that section.
- If you answer "**No"** to a numbered question, move on to the next numbered question.
- Check appropriate column to indicate the anticipated size of the impact.
- Proposed projects that would exceed a numeric threshold contained in a question should result in the reviewing agency checking the box "Moderate to large impact may occur."
- The reviewer is not expected to be an expert in environmental analysis.
- If you are not sure or undecided about the size of an impact, it may help to review the sub-questions for the general question and consult the workbook.
- When answering a question consider all components of the proposed activity, that is, the "whole action".
- Consider the possibility for long-term and cumulative impacts as well as direct impacts.
- Answer the question in a reasonable manner considering the scale and context of the project.

1. Impact on Land

Proposed action may involve construction on, or physical alteration of, the land surface of the proposed site. (See Part 1. D.1)

☐ NO ☑ YES

If "Yes", answer questions a - j. If "No", move on to Section 2.

	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. The proposed action may involve construction on land where depth to water table is less than 3 feet.	E2d	☑	☐
b. The proposed action may involve construction on slopes of 15% or greater.	E2f	☑	☐
c. The proposed action may involve construction on land where bedrock is exposed, or generally within 5 feet of existing ground surface.	E2a	☑	☐
d. The proposed action may involve the excavation and removal of more than 1,000 tons of natural material.	D2a	☐	☑
e. The proposed action may involve construction that continues for more than one year or in multiple phases.	D1e	☑	☐
f. The proposed action may result in increased erosion, whether from physical disturbance or vegetation removal (including from treatment by herbicides).	D2e, D2q	☑	☐
g. The proposed action is, or may be, located within a Coastal Erosion hazard area.	B1i	☑	☐
h. Other impacts: _____ _____		☐	☐

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2. Impact on Geological Features

The proposed action may result in the modification or destruction of, or inhibit access to, any unique or unusual land forms on the site (e.g., cliffs, dunes, minerals, fossils, caves). (See Part 1. E.2.g)

☑ NO ☐ YES

If "Yes", answer questions a - c. If "No", move on to Section 3.

	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. Identify the specific land form(s) attached: _____ _____	E2g	☐	☐
b. The proposed action may affect or is adjacent to a geological feature listed as a registered National Natural Landmark. Specific feature: _____	E3c	☐	☐
c. Other impacts: _____ _____		☐	☐

3. Impacts on Surface Water

The proposed action may affect one or more wetlands or other surface water bodies (e.g., streams, rivers, ponds or lakes). (See Part 1. D.2, E.2.h)

☐ NO ☑ YES

If "Yes", answer questions a - l. If "No", move on to Section 4.

	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. The proposed action may create a new water body.	D2b, D1h	☐	☑
b. The proposed action may result in an increase or decrease of over 10% or more than a 10 acre increase or decrease in the surface area of any body of water.	D2b	☑	☐
c. The proposed action may involve dredging more than 100 cubic yards of material from a wetland or water body.	D2a	☑	☐
d. The proposed action may involve construction within or adjoining a freshwater or tidal wetland, or in the bed or banks of any other water body.	E2h	☑	☐
e. The proposed action may create turbidity in a waterbody, either from upland erosion, runoff or by disturbing bottom sediments.	D2a, D2h	☐	☑
f. The proposed action may include construction of one or more intake(s) for withdrawal of water from surface water.	D2c	☑	☐
g. The proposed action may include construction of one or more outfall(s) for discharge of wastewater to surface water(s).	D2d	☑	☐
h. The proposed action may cause soil erosion, or otherwise create a source of stormwater discharge that may lead to siltation or other degradation of receiving water bodies.	D2e	☑	☐
i. The proposed action may affect the water quality of any water bodies within or downstream of the site of the proposed action.	E2h	☑	☐
j. The proposed action may involve the application of pesticides or herbicides in or around any water body.	D2q, E2h	☑	☐
k. The proposed action may require the construction of new, or expansion of existing, wastewater treatment facilities.	D1a, D2d	☑	☐

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l. Other impacts: _____ _____		☐	☐

4. Impact on groundwater

The proposed action may result in new or additional use of ground water, or may have the potential to introduce contaminants to ground water or an aquifer. (See Part 1. D.2.a, D.2.c, D.2.d, D.2.p, D.2.q, D.2.t) ☐ NO ☑ YES

If "Yes", answer questions a - h. If "No", move on to Section 5.

	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. The proposed action may require new water supply wells, or create additional demand on supplies from existing water supply wells.	D2c	☑	☐
b. Water supply demand from the proposed action may exceed safe and sustainable withdrawal capacity rate of the local supply or aquifer. Cite Source: _____	D2c	☑	☐
c. The proposed action may allow or result in residential uses in areas without water and sewer services.	D1a, D2c	☑	☐
d. The proposed action may include or require wastewater discharged to groundwater.	D2d, E2l	☑	☐
e. The proposed action may result in the construction of water supply wells in locations where groundwater is, or is suspected to be, contaminated.	D2c, E1f, E1g, E1h	☑	☐
f. The proposed action may require the bulk storage of petroleum or chemical products over ground water or an aquifer.	D2p, E2l	☑	☐
g. The proposed action may involve the commercial application of pesticides within 100 feet of potable drinking water or irrigation sources.	E2h, D2q, E2l, D2c	☑	☐
h. Other impacts: _____ _____		☐	☐

5. Impact on Flooding

The proposed action may result in development on lands subject to flooding. (See Part 1. E.2) ☐ NO ☑ YES

If "Yes", answer questions a - g. If "No", move on to Section 6.

	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. The proposed action may result in development in a designated floodway.	E2i	☑	☐
b. The proposed action may result in development within a 100 year floodplain.	E2j	☑	☐
c. The proposed action may result in development within a 500 year floodplain.	E2k	☑	☐
d. The proposed action may result in, or require, modification of existing drainage patterns.	D2b, D2e	☑	☐
e. The proposed action may change flood water flows that contribute to flooding.	D2b, E2i, E2j, E2k	☑	☐
f. If there is a dam located on the site of the proposed action, is the dam in need of repair, or upgrade?	E1e	☑	☐

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g. Other impacts: _____ _____		☐	☐

6. Impacts on Air

The proposed action may include a state regulated air emission source. (See Part 1. D.2.f., D.2.h, D.2.g) ☑NO ☐YES

If "Yes", answer questions a - f. If "No", move on to Section 7.

	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. If the proposed action requires federal or state air emission permits, the action may also emit one or more greenhouse gases at or above the following levels:			
i. More than 1000 tons/year of carbon dioxide (CO_2)	D2g	☐	☐
ii. More than 3.5 tons/year of nitrous oxide (N_2O)	D2g	☐	☐
iii. More than 1000 tons/year of carbon equivalent of perfluorocarbons (PFCs)	D2g	☐	☐
iv. More than .045 tons/year of sulfur hexafluoride (SF_6)	D2g	☐	☐
v. More than 1000 tons/year of carbon dioxide equivalent of hydrochloroflourocarbons (HFCs) emissions	D2g	☐	☐
vi. 43 tons/year or more of methane	D2h	☐	☐
b. The proposed action may generate 10 tons/year or more of any one designated hazardous air pollutant, or 25 tons/year or more of any combination of such hazardous air pollutants.	D2g	☐	☐
c. The proposed action may require a state air registration, or may produce an emissions rate of total contaminants that may exceed 5 lbs. per hour, or may include a heat source capable of producing more than 10 million BTU's per hour.	D2f, D2g	☐	☐
d. The proposed action may reach 50% of any of the thresholds in "a" through "c", above.	D2g	☐	☐
e. The proposed action may result in the combustion or thermal treatment of more than 1 ton of refuse per hour.	D2s	☐	☐
f. Other impacts: _____ _____		☐	☐

7. Impact on Plants and Animals

The proposed action may result in a loss of flora or fauna. (See Part 1. E.2. m.-q.) ☑NO ☐YES

If "Yes", answer questions a - j. If "No", move on to Section 8.

	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. The proposed action may cause reduction in population or loss of individuals of any threatened or endangered species, as listed by New York State or the Federal government, that use the site, or are found on, over, or near the site.	E2o	☐	☐
b. The proposed action may result in a reduction or degradation of any habitat used by any rare, threatened or endangered species, as listed by New York State or the federal government.	E2o	☐	☐
c. The proposed action may cause reduction in population, or loss of individuals, of any species of special concern or conservation need, as listed by New York State or the Federal government, that use the site, or are found on, over, or near the site.	E2p	☐	☐
d. The proposed action may result in a reduction or degradation of any habitat used by any species of special concern and conservation need, as listed by New York State or the Federal government.	E2p	☐	☐

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e. The proposed action may diminish the capacity of a registered National Natural Landmark to support the biological community it was established to protect.	E3c	☐	☐
f. The proposed action may result in the removal of, or ground disturbance in, any portion of a designated significant natural community. Source: _____	E2n	☐	☐
g. The proposed action may substantially interfere with nesting/breeding, foraging, or over-wintering habitat for the predominant species that occupy or use the project site.	E2m	☐	☐
h. The proposed action requires the conversion of more than 10 acres of forest, grassland or any other regionally or locally important habitat. Habitat type & information source: _____ _____	E1b	☐	☐
i. Proposed action (commercial, industrial or recreational projects, only) involves use of herbicides or pesticides.	D2q	☐	☐
j. Other impacts: _____ _____		☐	☐

8. Impact on Agricultural Resources

The proposed action may impact agricultural resources. (See Part 1. E.3.a. and b.) ☑ NO ☐ YES

If "Yes", answer questions a - h. If "No", move on to Section 9.

	Relevant Part I Question(s)	**No, or small impact may occur**	**Moderate to large impact may occur**
a. The proposed action may impact soil classified within soil group 1 through 4 of the NYS Land Classification System.	E2c, E3b	☐	☐
b. The proposed action may sever, cross or otherwise limit access to agricultural land (includes cropland, hayfields, pasture, vineyard, orchard, etc).	E1a, Elb	☐	☐
c. The proposed action may result in the excavation or compaction of the soil profile of active agricultural land.	E3b	☐	☐
d. The proposed action may irreversibly convert agricultural land to non-agricultural uses, either more than 2.5 acres if located in an Agricultural District, or more than 10 acres if not within an Agricultural District.	E1b, E3a	☐	☐
e. The proposed action may disrupt or prevent installation of an agricultural land management system.	El a, E1b	☐	☐
f. The proposed action may result, directly or indirectly, in increased development potential or pressure on farmland.	C2c, C3, D2c, D2d	☐	☐
g. The proposed project is not consistent with the adopted municipal Farmland Protection Plan.	C2c	☐	☐
h. Other impacts: _____		☐	☐

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9. Impact on Aesthetic Resources
The land use of the proposed action are obviously different from, or are in sharp contrast to, current land use patterns between the proposed project and a scenic or aesthetic resource. (Part 1. E.1.a, E.1.b, E.3.h.)
☑ NO ☐ YES
If "Yes", answer questions a - g. If "No", go to Section 10.

	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. Proposed action may be visible from any officially designated federal, state, or local scenic or aesthetic resource.	E3h	☐	☐
b. The proposed action may result in the obstruction, elimination or significant screening of one or more officially designated scenic views.	E3h, C2b	☐	☐
c. The proposed action may be visible from publicly accessible vantage points: i. Seasonally (e.g., screened by summer foliage, but visible during other seasons) ii. Year round	E3h	☐ ☐	☐ ☐
d. The situation or activity in which viewers are engaged while viewing the proposed action is: i. Routine travel by residents, including travel to and from work ii. Recreational or tourism based activities	E3h E2q, E1c	☐ ☐	☐ ☐
e. The proposed action may cause a diminishment of the public enjoyment and appreciation of the designated aesthetic resource.	E3h	☐	☐
f. There are similar projects visible within the following distance of the proposed project: 0-1/2 mile ½ -3 mile 3-5 mile 5+ mile	D1a, E1a, D1f, D1g	☐	☐
g. Other impacts: _____ _____		☐	☐

10. Impact on Historic and Archeological Resources
The proposed action may occur in or adjacent to a historic or archaeological resource. (Part 1. E.3.e, f. and g.)
☐ NO ☑ YES
If "Yes", answer questions a - e. If "No", go to Section 11.

	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. The proposed action may occur wholly or partially within, or substantially contiguous to, any buildings, archaeological site or district which is listed on the National or State Register of Historical 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.	E3e	☑	☐
b. The proposed action may occur wholly or partially within, or substantially contiguous to, an area designated as sensitive for archaeological sites on the NY State Historic Preservation Office (SHPO) archaeological site inventory.	E3f	☑	☐
c. The proposed action may occur wholly or partially within, or substantially contiguous to, an archaeological site not included on the NY SHPO inventory. Source: _____	E3g	☑	☐

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d. Other impacts: _____ _____		☐	☐
e. If any of the above (a-d) are answered "Moderate to large impact may occur", continue with the following questions to help support conclusions in Part 3:			
i. The proposed action may result in the destruction or alteration of all or part of the site or property.	E3e, E3g, E3f	☑	☐
ii. The proposed action may result in the alteration of the property's setting or integrity.	E3e, E3f, E3g, E1a, E1b	☑	☐
iii. The proposed action may result in the introduction of visual elements which are out of character with the site or property, or may alter its setting.	E3e, E3f, E3g, E3h, C2, C3	☑	☐

11. Impact on Open Space and Recreation

The proposed action may result in a loss of recreational opportunities or a reduction of an open space resource as designated in any adopted municipal open space plan.
(See Part 1. C.2.c, E.1.c., E.2.q.)
If "Yes", answer questions a - e. If "No", go to Section 12.

☑ NO ☐ YES

	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. The proposed action may result in an impairment of natural functions, or "ecosystem services", provided by an undeveloped area, including but not limited to stormwater storage, nutrient cycling, wildlife habitat.	D2e, E1b E2h, E2m, E2o, E2n, E2p	☐	☐
b. The proposed action may result in the loss of a current or future recreational resource.	C2a, E1c, C2c, E2q	☐	☐
c. The proposed action may eliminate open space or recreational resource in an area with few such resources.	C2a, C2c E1c, E2q	☐	☐
d. The proposed action may result in loss of an area now used informally by the community as an open space resource.	C2c, E1c	☐	☐
e. Other impacts: _____ _____		☐	☐

12. Impact on Critical Environmental Areas

The proposed action may be located within or adjacent to a critical environmental area (CEA). (See Part 1. E.3.d)
If "Yes", answer questions a - c. If "No", go to Section 13.

☑ NO ☐ YES

	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. The proposed action may result in a reduction in the quantity of the resource or characteristic which was the basis for designation of the CEA.	E3d	☐	☐
b. The proposed action may result in a reduction in the quality of the resource or characteristic which was the basis for designation of the CEA.	E3d	☐	☐
c. Other impacts: _____ _____		☐	☐

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13. Impact on Transportation
The proposed action may result in a change to existing transportation systems. ☐ NO ☑ YES
(See Part 1. D.2.j)
If "Yes", answer questions a - f. If "No", go to Section 14.

	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. Projected traffic increase may exceed capacity of existing road network.	D2j	☑	☐
b. The proposed action may result in the construction of paved parking area for 500 or more vehicles.	D2j	☐	☑
c. The proposed action will degrade existing transit access.	D2j	☑	☐
d. The proposed action will degrade existing pedestrian or bicycle accommodations.	D2j	☑	☐
e. The proposed action may alter the present pattern of movement of people or goods.	D2j	☐	☑
f. Other impacts: _____ _____		☐	☐

14. Impact on Energy
The proposed action may cause an increase in the use of any form of energy. ☑ NO ☐ YES
(See Part 1. D.2.k)
If "Yes", answer questions a - e. If "No", go to Section 15.

	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. The proposed action will require a new, or an upgrade to an existing, substation.	D2k	☐	☐
b. The proposed action will require the creation or extension of an energy transmission or supply system to serve more than 50 single or two-family residences or to serve a commercial or industrial use.	D1f, D1q, D2k	☐	☐
c. The proposed action may utilize more than 2,500 MWhrs per year of electricity.	D2k	☐	☐
d. The proposed action may involve heating and/or cooling of more than 100,000 square feet of building area when completed.	D1g	☐	☐
e. Other Impacts: _____ _____			

15. Impact on Noise, Odor, and Light
The proposed action may result in an increase in noise, odors, or outdoor lighting. ☐ NO ☑ YES
(See Part 1. D.2.m., n., and o.)
If "Yes", answer questions a - f. If "No", go to Section 16.

	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. The proposed action may produce sound above noise levels established by local regulation.	D2m	☑	☐
b. The proposed action may result in blasting within 1,500 feet of any residence, hospital, school, licensed day care center, or nursing home.	D2m, E1d	☑	☐
c. The proposed action may result in routine odors for more than one hour per day.	D2o	☑	☐

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d. The proposed action may result in light shining onto adjoining properties.	D2n	☑	☐
e. The proposed action may result in lighting creating sky-glow brighter than existing area conditions.	D2n, E1a	☑	☐
f. Other impacts: _____ _____		☐	☐

16. Impact on Human Health

The proposed action may have an impact on human health from exposure to new or existing sources of contaminants. (See Part 1.D.2.q., E.1. d. f. g. and h.) ☐ NO ☑ YES

If "Yes", answer questions a - m. If "No", go to Section 17.

	Relevant Part I Question(s)	No,or small impact may cccur	Moderate to large impact may occur
a. The proposed action is located within 1500 feet of a school, hospital, licensed day care center, group home, nursing home or retirement community.	E1d	☑	☐
b. The site of the proposed action is currently undergoing remediation.	E1g, E1h	☐	☑
c. There is a completed emergency spill remediation, or a completed environmental site remediation on, or adjacent to, the site of the proposed action.	E1g, E1h	☑	☐
d. The site of the action is subject to an institutional control limiting the use of the property (e.g., easement or deed restriction).	E1g, E1h	☑	☐
e. The proposed action may affect institutional control measures that were put in place to ensure that the site remains protective of the environment and human health.	E1g, E1h	☑	☐
f. The proposed action has adequate control measures in place to ensure that future generation, treatment and/or disposal of hazardous wastes will be protective of the environment and human health.	D2t	☐	☑
g. The proposed action involves construction or modification of a solid waste management facility.	D2q, E1f	☑	☐
h. The proposed action may result in the unearthing of solid or hazardous waste.	D2q, E1f	☐	☑
i. The proposed action may result in an increase in the rate of disposal, or processing, of solid waste.	D2r, D2s	☑	☐
j. The proposed action may result in excavation or other disturbance within 2000 feet of a site used for the disposal of solid or hazardous waste.	E1f, E1g E1h	☑	☐
k. The proposed action may result in the migration of explosive gases from a landfill site to adjacent off site structures.	E1f, E1g	☑	☐
l. The proposed action may result in the release of contaminated leachate from the project site.	D2s, E1f, D2r	☑	☐
m. Other impacts: _____ _____		☐	☐

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17. Consistency with Community Plans

The proposed action is not consistent with adopted land use plans. (See Part 1. C.1, C.2. and C.3.) ☑ NO ☐ YES

If "Yes", answer questions a - h. If "No", go to Section 18.

	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. The proposed action's land use components may be different from, or in sharp contrast to, current surrounding land use pattern(s).	C2, C3, D1a E1a, E1b	☐	☐
b. The proposed action will cause the permanent population of the city, town or village in which the project is located to grow by more than 5%.	C2	☐	☐
c. The proposed action is inconsistent with local land use plans or zoning regulations.	C2, C2, C3	☐	☐
d. The proposed action is inconsistent with any County plans, or other regional land use plans.	C2, C2	☐	☐
e. The proposed action may cause a change in the density of development that is not supported by existing infrastructure or is distant from existing infrastructure.	C3, D1c, D1d, D1f, D1d, Elb	☐	☐
f. The proposed action is located in an area characterized by low density development that will require new or expanded public infrastructure.	C4, D2c, D2d D2j	☐	☐
g. The proposed action may induce secondary development impacts (e.g., residential or commercial development not included in the proposed action)	C2a	☐	☐
h. Other: _____ _____		☐	☐

18. Consistency with Community Character

The proposed project is inconsistent with the existing community character. (See Part 1. C.2, C.3, D.2, E.3) ☑ NO ☐ YES

If "Yes", answer questions a - g. If "No", proceed to Part 3.

	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. The proposed action may replace or eliminate existing facilities, structures, or areas of historic importance to the community.	E3e, E3f, E3g	☐	☐
b. The proposed action may create a demand for additional community services (e.g. schools, police and fire)	C4	☐	☐
c. The proposed action may displace affordable or low-income housing in an area where there is a shortage of such housing.	C2, C3, D1f D1g, E1a	☐	☐
d. The proposed action may interfere with the use or enjoyment of officially recognized or designated public resources.	C2, E3	☐	☐
e. The proposed action is inconsistent with the predominant architectural scale and character.	C2, C3	☐	☐
f. Proposed action is inconsistent with the character of the existing natural landscape.	C2, C3 E1a, E1b E2g, E2h	☐	☐
g. Other impacts: _____ _____		☐	☐

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Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Agency Use Only [If Applicable]

Project : ACP - PUD Application

Date : 10/2/2023

Full Environmental Assessment Form
Part 3 - Evaluation of the Magnitude and Importance of Project Impacts
and
Determination of Significance

Part 3 provides the reasons in support of the determination of significance. The lead agency must complete Part 3 for every question in Part 2 where the impact has been identified as potentially moderate to large or where there is a need to explain why a particular element of the proposed action will not, or may, result in a significant adverse environmental impact.

Based on the analysis in Part 3, the lead agency must decide whether to require an environmental impact statement to further assess the proposed action or whether available information is sufficient for the lead agency to conclude that the proposed action will not have a significant adverse environmental impact. By completing the certification on the next page, the lead agency can complete its determination of significance.

Reasons Supporting This Determination:

To complete this section:

- Identify the impact based on the Part 2 responses and describe its magnitude. Magnitude considers factors such as severity, size or extent of an impact.
- Assess the importance of the impact. Importance relates to the geographic scope, duration, probability of the impact occurring, number of people affected by the impact and any additional environmental consequences if the impact were to occur.
- The assessment should take into consideration any design element or project changes.
- Repeat this process for each Part 2 question where the impact has been identified as potentially moderate to large or where there is a need to explain why a particular element of the proposed action will not, or may, result in a significant adverse environmental impact.
- Provide the reason(s) why the impact may, or will not, result in a significant adverse environmental impact
- For Conditional Negative Declarations identify the specific condition(s) imposed that will modify the proposed action so that no significant adverse environmental impacts will result.
- Attach additional sheets, as needed.

1. Impact on Land - The proposed conversion of the former golf course to a community park may involve the excavation and removal of more than 1000 tons of soil from the 170.5 +/- acre site.

2. Impact of Surface Water - The construction of a 0.96+/- acre decorative pond within an existing unnamed tributary may disturb existing bottom sediments of such tributary. Additionally, a 0.17 +/- acre isolated wetland will be filled to accommodate a parking area.

3. Impact on Transportation - The proposed action will result in the construction of paved parking for 500 or more vehicles and the proposed action may alter the present pattern of movement of people or goods.

4. Impact on Human Health - The project site has evidence of soil contaminants as a result of past use of herbicides/pesticides. Adequate control measures will be in place to ensure that any contaminated soils are managed in accordance with applicable laws and be protective of the environment and human health.

Determination of Significance - Type 1 and Unlisted Actions

SEQR Status: ☑ Type 1 ☐ Unlisted

Identify portions of EAF completed for this Project: ☑ Part 1 ☑ Part 2 ☑ Part 3

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Upon review of the information recorded on this EAF, as noted, plus this additional support information

and considering both the magnitude and importance of each identified potential impact, it is the conclusion of the Town of Amherst Town Board as lead agency that:

☐ A. This project will result in no significant adverse impacts on the environment, and, therefore, an environmental impact statement need not be prepared. Accordingly, this negative declaration is issued.

☐ B. Although this project could have a significant adverse impact on the environment, that impact will be avoided or substantially mitigated because of the following conditions which will be required by the lead agency:

There will, therefore, be no significant adverse impacts from the project as conditioned, and, therefore, this conditioned negative declaration is issued. A conditioned negative declaration may be used only for UNLISTED actions (see 6 NYCRR 617.7(d)).

☑ C. This Project may result in one or more significant adverse impacts on the environment, and an environmental impact statement must be prepared to further assess the impact(s) and possible mitigation and to explore alternatives to avoid or reduce those impacts. Accordingly, this positive declaration is issued.

Name of Action: Amherst Central Park

Name of Lead Agency: Town of Amherst

Name of Responsible Officer in Lead Agency: Brian J. Kulpa

Title of Responsible Officer: Town Supervisor

Signature of Responsible Officer in Lead Agency: Date: October 2, 2023

Signature of Preparer (if different from Responsible Officer) Date: October 2, 2023

For Further Information:

Contact Person: Daniel C. Howard, AICP, Planning Director

Address: 5583 Main Street, Williamsville, New York 14221

Telephone Number: 716-631-7051

E-mail: dhoward@amherst.ny.us

For Type 1 Actions and Conditioned Negative Declarations, a copy of this Notice is sent to:

Chief Executive Officer of the political subdivision in which the action will be principally located (e.g., Town / City / Village of)
Other involved agencies (if any)
Applicant (if any)
Environmental Notice Bulletin: http://www.dec.ny.gov/enb/enb.html

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

PRINT FULL FORM

Appendix C Wetland and Waterbodies Delineation Report

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Wetland and Waterbodies Delineation Report

for

AMHERST CENTRAL PARK - 772 NORTH FOREST ROAD

Town of Amherst

Erie County, New York

for

Town of Amherst

EARTH DIMENSIONS, INC.

Soils Investigations • Wetland Delineations

June 12, 2023
EDI Project Code: **W1I09d**

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

REPORT SUMMARIZING
THE RESULTS OF
A WETLAND DELINEATION SURVEY OF

AMHERST CENTRAL PARK - 772 NORTH FOREST ROAD

Prepared for Submission to:

U.S. ARMY CORPS OF ENGINEERS
1776 NIAGARA STREET
BUFFALO, NEW YORK 14207

Prepared By:

EARTH DIMENSIONS, INC.
1091 JAMISON ROAD
ELMA, NEW YORK 14059

Prepared For:

JEFFREY SZATKOWSKI
TOWN OF AMHERST PLANNING DEPARTMENT
5583 MAIN STREET
WILLIAMSVILLE, NEW YORK 14221
JSZATKOWSKI@AMHERST.NY.US
(716) 631-7051

REPORT DATE: June 12, 2023

EDI PROJECT CODE: W1I09d

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

PROJECT INFORMATION

Project Name	Amherst Central Park - 772 North Forest Road
Street Address	772 North Forest Road, 385 Maple Road, 391 Maple Road
SBL Number	68.01-1-1.2; 55.18-4-9; 55.18-4-10
Town	Amherst
County	Erie
State	New York
Latitude/Longitude (NAD83)	42.98375°N, -78.77276°W
Investigation Area	170± Acres
USGS 7.5 Minute Topographical Map	Buffalo NE Quadrangle
Waterway	Ellicott Creek
Hydrologic Unit Code	04120104
Date of Delineation	June 5 & 6, 2023
Consultant	Earth Dimensions, Inc. 1091 Jamison Road Elma, New York 14059
Point of Contact	Scott Livingstone (716)655-1717 slivingstone@earthdimensions.com
Engineer	N/A
Property Owner	Town of Amherst
Authority	Section 404, Article 15
Permit/Letter Being Requested	Jurisdictional Determination

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

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Figure 2: National Wetlands Inventory Map

Figure 3: NRCS Soil Survey Map

Figure 4: NYSDEC Environmental Resource Mapper

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Figure 6-1: Wetland Delineation Map

Figure 6-2: Wetland Delineation Map

Figure 6-3: Wetland Delineation Map

Figure 7: Drainage Map

Figure 8: Site Aerial Photograph

Figure 9: Aerial Photo with wetlands

Figure 10: Soils Map with wetlands

Figure 11: FEMA Map

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EXECUTIVE SUMMARY

The Town of Amherst has proposed the development of a 170± acre parcel located along the north side of Sheridan Drive and south side of Maple Road in the Town of Amherst, County of Erie, and State of New York. The Town of Amherst has retained Earth Dimensions, Inc. (EDI) to complete a wetland delineation report that would allow the U.S. Army Corps of Engineers (USACE) and New York State Department of Environmental Conservation (NYSDEC) to determine their jurisdictional authority over the investigation area, pursuant to Section 404 of the Clean Water Act and Articles 15 (Protection of Waters) and 24 (Freshwater Wetlands) of the New York State Environmental Conservation Law. The proposed project does not qualify for Bipartisan Infrastructure Law (BIL) funding.

A preliminary review of available information pertaining to vegetation, soils, and hydrology in the project area was implemented prior to conducting a field investigation at the site. Sources of information included the United States Geological Survey (USGS), Natural Resources Conservation Service (NRCS), National Wetland Inventory (NWI), and NYSDEC Freshwater Wetland maps. The USGS, NRCS and NWI maps indicate the potential for wetlands under federal jurisdiction.

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 twelve (12) wetland areas totaling 10.26± acres within the investigation area. Ellicott Creek also runs along the eastern limits of the investigation area. The identification number of the wetlands, their acreage and boundary flags are as follows:

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TABLE 1: WETLAND SUMMARY

Wetland Identification #	Geographic Center (WGS84)		Boundary Flag #	Total Acreage On-site	Wetland Type (Cowardin)	Wetland Type (Reschke)
	Latitude	Longitude				
Wetland 1	42.99044	-78.77465	W1-1 through W1-20	0.74±	PSS1B	Scrub-shrub swamp
Wetland 2	42.98971	-78.77370	W2-1 through W2-22	0.60±	POW	Golf Course Pond
Wetland 3	42.98921	-78.77396	W3-1 through W3-15	0.34±	PSS1B	Scrub-shrub
Wetland 4	42.98930	-78.77195	W4-1 through W4-16	1.09±	POW	Golf Course Pond
Wetland 5	42.98782	-78.77423	W5-1 through W5-37	2.63±	PFO1B	Hardwood Swamp
Wetland 6	42.98674	-78.77458	W6-1 through W6-14	0.94±	POW	Golf Course Pond
Wetland 7	42.98584	-78.77297	W7-1 through W7-4	0.02±	PSS1B	Scrub-shrub
Wetland 8	42.98569	-78.77232	W8-1 through W8-8	0.22±	PSS1B	Scrub-shrub
Wetland 9	42.98439	-78.77364	W9-1 through W9-25	0.93±	PSS1B	Scrub-shrub
Wetland 10	42.98405	-78.76966	W10-1 through W10-55	2.25±	PEM1H/ R2UB1	Emergent Marsh/ Perennial Stream
Wetland 11	42.97857	-78.77402	W11-1 through W11-30	0.33±	PEM1C	Shallow Emergent Marsh
Wetland 12	42.97880	-78.77200	W12-1 through W12-11	0.17±	POW	Golf Course Pond
Total Wetland Acreage:				10.26±		

TABLE 2: STREAM & DRAINAGE SUMMARY

Stream Identification #	Geographic Center (WGS84)		Waterway	DEC Class	Linear Feet On-site	Highwater Width (Ft)	Flow Regime	Substrate	Classification (Cowardin)
	Latitude	Longitude							
Stream 1	42.98364	-78.76937	Ellicott Creek	B	1723 feet	50-75	Perennial	Gravel, Cobble	R2UB1
Stream 2	42.98338	-78.77022	UNT	N/A	252 feet	2	Ephemeral	Silt, Organic	R4SB7
Stream 3	42.97902	-78.77471	UNT	N/A	1155 feet	6-8	Intermittent	Silt, Organic	R4SB7

TABLE 3: WATERBODY SUMMARY

Identification #	Flag #	Geographic Center (WGS84)		Acreage On-site	Classification (Cowardin)	Type (Reschke)
		Latitude	Longitude			
Pond 1	W2-1 through W2-22	42.98973	-78.77372	0.60±	POW	Golf Course Pond
Pond 2	W4-1 through W4-16	42.98940	-78.77190	1.09±	POW	Golf Course Pond
Pond 3	W6-1 through W6-14	42.98671	-78.77458	0.94±	POW	Golf Course Pond
Pond 4	W12-1 through W12-11	42.97879	-78.77198	0.17±	POW	Golf Course Pond

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SECTION I: INTRODUCTION

The Town of Amherst has proposed the development of a 170± acre parcel on the north side of Sheridan Drive and South Side of Maple Road in the Town of Amherst, County of Erie, and State of New York. The project has been given the name Amherst Central Park - 772 North ForestRoad and is located on USGS 7.5-minute quadrangle map indexed as Buffalo NE (Figure 1). The field work was completed on June 5 & 6, 2023 using a handheld Trimble TDC650 GPS to locate wetland and drainage boundaries.

The Town of Amherst 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 Amherst Central Park - 772 North Forest Road project site.

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SECTION II: SITE DESCRIPTION

The Amherst Central Park - 772 North Forest Road project area is comprised of a 170± acre irregular shaped investigation area on the north side of Sheridan Drive, the south side of Maple Road, and on the west side of North Forest Road which is outlined on Figure 1 and depicted on the Wetland Delineation Map included in Appendix A (Figure 6). The site was formerly the Westwood Country Club, an 18-hole golf course facility with a large clubhouse and several outbuildings. The facility closed in 2014.

The natural topography of the Amherst Central Park - 772 North Forest Road site is flat to gently sloping. The upland within the investigation area consisted of successional northern hardwoods, successional shrubland, mown lawn, and old field communities. The wetland areas were found to consist of shallow emergent marsh, hardwood swamp, golf course ponds, and scrub-shrub swamp communities. The vegetative communities of the investigation area are described according to *Ecological Communities of New York State* (Edinger et al. 2014).

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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 Amherst Central Park - 772 North Forest Road project site on the Buffalo NE quadrangle map. The figure depicts the flat to gently sloping topography of the site. Several ponds are shown on the map and Ellicott Creek flows north through the eastern portion 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) wetland types, PUBHx, and R2UBH within the investigation area. The wetlands can be decoded as:

[P] Palustrine, [UB] Unconsolidated bottom, [H] Permanently flooded, [x] Excavated

[R] Riverine, [2] Lower perennial, [UB] Unconsolidated bottom, [H] Permanently 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 Rating
CrA	Claverack loamy fine sand, 0 to 3% slopes	5
Cv	Cosad loamy fine sand	10
La	Lakemont silt loam, 0 to 3% slopes	95
Od	Odessa silt loam, 0 to 3% slopes	5
SaA	Schoharie silt loam, 0 to 3% slopes	0

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SaB	Schoharie silt loam, 3 to 8% slopes	0
Te	Teel silt loam	5
Ut	Urban land-Odessa complex, 0 to 3% slopes	5
W	Water	0

Claverack Series: The Claverack series consists of very deep, moderately well drained soils formed in sandy deposits that overlie clayey lacustrine sediments. They are nearly level to sloping soils in shallow deltas on lake plains. Slope ranges from 0 to 15 percent. Mean annual temperature is 48 degrees F. and mean annual precipitation is 40 inches.

Cosad Series: The Cosad series consists of very deep, somewhat poorly drained soils formed in sandy deposits that overlie clayey lacustrine sediments. They are nearly level soils on lake plains. Slope ranges from 0 to 8 percent. Mean annual temperature is 48 degrees F. and mean annual precipitation is 40 inches.

Lakemont Series: The Lakemont series consists of deep, poorly drained and very poorly drained soils of lake plains. They are nearly level soils formed in very slowly permeable reddish colored clayey lacustrine sediments. Slope ranges from 0 to 3 percent. Permeability is moderately slow in the surface and very slow in the subsoil sand substratum. Mean annual temperature is about 48 degrees F. and mean annual precipitation is about 34 inches.

Odessa Series: The Odessa series consists of very deep, somewhat poorly drained soils formed in red, clayey lacustrine deposits. These soils are in moderately low areas on lake plains and valley terraces. Slope ranges from 0 to 20 percent. Mean annual temperature is 8 degrees C (46 degrees F), and mean annual precipitation is 995 mm (39 in).

Schoharie Series: The Schoharie series consists of very deep, moderately well drained soils formed in clayey lacustrine sediments. They are on glacial lake plains and uplands mantled with lake sediments. Saturated hydraulic conductivity is moderately high or high in the mineral surface and subsurface and low through moderately high in the subsoil and substratum. Slope ranges from 0 through 60 percent. Mean annual temperature is 48 degrees F, and mean annual precipitation is 39 inches.

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Teel Series: The Teel series consists of very deep, moderately well drained soils on floodplains. They formed in nearly level, silty alluvial deposits. Permeability is moderate throughout the solum. Slope ranges from 0 to 3 percent. Mean annual temperature is 49 degrees F, and mean annual precipitation is 37 inches.

Urban land Series: Refers to soils in areas of high population density in the largely built environment. These soils can be significantly changed human-transported materials, human-altered materials, or minimally altered or intact “native” soils. Soils in urban areas exhibit a wide variety of conditions and properties and may have impervious surfaces, such as buildings and pavement.

The U.S. Department of Agriculture's National Technical Committee for Hydric Soils Criteria has developed a list of soils that often display hydric soil characteristics. Hydric soil typically forms in places of the landscape where surface water periodically collects for some time and/or where groundwater discharges sufficient to create waterlogged or anaerobic soils. Such anaerobic soils can support the growth and survival of hydrophytic vegetation that is tolerant of such conditions. The Hydric Rating indicates the proportion of map units that meets the criteria for hydric soils. Soil units are designated as "hydric," "predominantly hydric," "partially hydric," "predominantly nonhydric," or "nonhydric" depending on the hydric rating of its respective components. "Hydric" means that all components listed for a given map unit are rated as being hydric. "Predominantly hydric" means components that comprise 66 to 99 percent of the map unit are rated as hydric. "Partially hydric" means components that comprise 33 to 66 percent of the map unit are rated as hydric. "Predominantly nonhydric" means components that comprise up to 33 percent of the map unit are rated as hydric. "Nonhydric" means that none of the components are rated as hydric. Wetland hydrologic conditions, hydric soils, and hydrophytic vegetation are the three criteria of a wetland.

4. NYSDEC Freshwater Wetlands Map

The NYSDEC Freshwater Wetlands map obtained from the online NYSDEC Environmental Resource Mapper displays no state jurisdictional Freshwater Wetlands within or adjacent to the investigation area. However, the mapper does display a class B stream (Ellicott Creek) along the eastern limits of the investigation area.

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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 hydric inclusions depicted within the project area as shown on the NRCS map (Figure 3). The preliminary data review indicated that NYSDEC has jurisdiction over a Ellicott Creek as depicted on the NYSDEC Resource Mapper (Figure 4). Therefore, it was considered necessary to perform a field investigation at the site in order to determine the presence of federal and state protected wetlands. The methods specified in the Corps of Engineers Wetlands Delineation Manual (January 1987) and Northcentral and Northeast Regional Supplement Version 2.0 (January 2012) were employed during the field investigation. Procedures, results, and conclusions of the wetland delineation study are presented in the remainder of this report.

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SECTION IV: FIELD INVESTIGATION PROCEDURES

WETLANDS:

Step 1

EDI applied methodology specified by the 1987 Corps of Engineers Wetlands Delineation Manual and Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Northcentral and Northeast Region to perform a delineation of Federal jurisdictional wetlands within the site. EDI used the Level 2 Routine Determination method (on-site inspection necessary) since insufficient information was available for making a determination for the entire project area. This methodology is consistent with Part IV, Section D of the Corps Manual.

Step 2

EDI's initial evaluation of the project area revealed that no atypical situations existed. If an atypical situation had existed, EDI would have used methodology outlined in Part IV, Section F of the Corps manual and/or Section 5 of the Northcentral and Northeast Supplement.

Step 3

EDI made the determination that normal environmental conditions were present, as the area was not lacking hydrophytic vegetation or hydrologic indicators due to annual, seasonal or long-term fluctuations in precipitation, surface water, or groundwater levels. The Northcentral and Northeast Supplement defines the growing season as beginning when one of the following indicators of biological activity are evident in a given year: (1) above-ground growth and development of vascular plants and/or (2) soil temperature measured at 12" below ground surface reaches 41ºF. The end of the growing season is defined as the point at which deciduous species lose their leaves or the last herbaceous plants cease flowering and their leaves become dry or brown, whichever comes latest.

Step 4

In order to accurately identify the limits of various vegetative communities and extent of wetlands on-site, a routine determination method was used. As depicted in Appendix A and included in Appendix B, forty-six (46) data points were used to characterize the site.

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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.

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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.

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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 W1-20, W2-1 through W2-22, W3-1 through W3-15, W4-1 through W4-16, W5-1 through W5-37, W6-1 through W6-14, W7-1 through W7-4, W8-1 through W8-8, W9-1 through W9-25, W10-1 through W10-55, W11-1 through W11-30, and W12-1 through W12-11.

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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 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.

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SECTION V: RESULTS AND CONCLUSIONS

Earth Dimensions, Inc. (EDI) has completed a wetland delineation study at the Amherst Central Park - 772 North Forest 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 twelve (12) wetlands totaling 10.26± acres present within the Amherst Central Park - 772 North Forest Road site. In addition, a 1723 linear foot portion of Ellicott Creek, a Class B stream, along with two other UNT's, were identified. Four golf course ponds were identified within the investigation area, which were identified as W2, W4, W6, and W12.

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, successional shrubland, mown lawn, and successional old field communities. The wetland areas were found to consist of shallow emergent marsh, hardwood swamp, golf course ponds, and scrub-shrub swamp communities. 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: white oak (*Quercus alba*), white ash (*Fraxinus americana*), common buckthorn (*Rhamnus cathartica*), and poison ivy (*Toxicodendron radicans*).

The successional old field community was dominated by the following species: Kentucky bluegrass (*Poa pratensis*), black locust (*Robinia pseudoacacia*), pin oak (*Quercus palustris*), orchard grass (*Dactylis glomerata*), crack willow (*Salix fragilis*), common buckthorn (*Rhamnus cathartica*), eastern cottonwood (*Populus deltoides*), red maple (*Acer rubrum*), white ash (*Fraxinus americana*), silver maple (*Acer saccharinum*), sugar maple (*Acer saccharum*), red pine (*Pinus resinosa*), perennial rye (*Lolium perenne*), white spruce *(Picea glauca*), white oak (*Quercus alb*a), American sycamore (*Platanus occidentalis*), teasel (*Dipsacus fullonum*), and American arborvitae (*Thuja occidentalis*).

The successional shrubland community was dominated by the following species: common buckthorn (*Rhmanus cathartica*), stinging nettle (*Urtica dioica*), summer grape (*Vitis aestivalis*), crack willow

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(*Salix fragilis*), white ash (*Fraxinus americana*), lesser celandine (*Ranunculus ficaria*), and Virginia creeper (*Parthenocissus quinquefolia*).

The mown lawn community was dominated by the following species: Kentucky bluegrass (*Poa pratensis*).

Wetland W1 is a 0.74± acre scrub-shrub swamp dominated by green ash (*Fraxinus pennsylvanica*), common buckthorn (*Rhamnus cathartica*), fox sedge (*Carex vulpinoidea*), and panicled bulrush (*Scirpus microcarpus*). Soils within wetland W1 are mapped as Schoharie silt loam and had a topsoil color of 7.5YR4/1 with 15% 7.5YR5/8 mottles and a subsoil color of 7.5YR5/4 with 10% 7.5YR5/6 and 7.5YR5/1 mottles. The texture is silty clay and silty clay loam. This soil fits the NRCS F3 indicator (Depleted Matrix). Hydrology indicators present in Wetland W1 included Water-Stained Leaves (B9).

Wetland W2 is a 0.60± acre golf course pond dominated by black willow (*Salix nigra*), and hybrid cattail (*Typha x glauca*). Soils within wetland W2 are mapped as Odessa silt loam and had a topsoil color of 10YR3/1 with 5% 10YR5/8 mottles and a subsoil color of 10YR5/4 with 7% 10YR5/8 mottles. The texture is silt loam and silty clay loam. This soil fits the NRCS F3 indicator (Depleted Matrix) and F6 indicator (Redox Dark Surface). Hydrology indicators present in Wetland W2 included surface water (A1), high water table (A2), saturation (A3), Water Marks (B1), Inundation Visible on Aerial Imagery (B7), and Water-Stained Leaves (B9).

Wetland W3 is a 0.34± acre scrub-shrub swamp dominated by silver maple (*Acer saccharinum*), white willow (*Salix alba*), pin oak (*Quercus palustris*), blunt broom sedge (*Carex tribuloides*), and reed canarygrass (*Phalaris arundinacea*). Soils within wetland W3 are mapped as Schoharie silt loam and had a topsoil color of 10YR5/2 with 20% 10YR5/8 mottles and a subsoil color of 7.5YR5/4 with 10% 10YR5/6 and 7.5YR5/1 mottles. The texture is silty clay and silt loam. This soil fits the NRCS F3 indicator (Depleted Matrix). Hydrology indicators present in Wetland W3 included Water Marks (B1) and Water-Stained Leaves (B9).

Wetland W4 is a 1.09 ± acre golf course pond dominated by pussy willow (*Salix discolor*), hybrid cattail (*Typha x glauca*), and reed canarygrass (*Phalaris arundinacea*). Soils within wetland W4 are mapped as Odessa silt loam and had a subsoil color of 7.5YR6/1 with 10% 7.5YR5/6 mottles and

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no topsoil was present. The texture is silty clay and silty clay loam. This soil fits the NRCS F3 indicator (Depleted Matrix). Hydrology indicators present in Wetland W4 included surface water (A1), high water table (A2), saturation (A3), Water Marks (B1), Algal Mat or Crust (B4), Inundation Visible on Aerial Imagery (B7), and Water-Stained Leaves (B9).

Wetland W5 is a 2.63± acre hardwood swamp dominated by swamp white oak (*Quercus bicolor*), pin oak (*Quercus palustris*), silver maple (*Acer saccharinum*), green ash (*Fraxinus pennsylvanica*), fowl mannagrass (*Glyceria striata*), kentucky bluegrass (*Poa pratensis*), and poison ivy (*Toxicodendron radicans*). Soils within wetland W5 are mapped as Schoharie silt loam and had a topsoil color ranging from 7.5YR3/1-10YR3/1 with 2-3% 7.5YR5/8-10YR5/8 mottles and a subsoil color ranging from 7.5YR6/1-10YR6/1 with 3-5% 7.5YR5/8-10YR5/8 mottles. The texture is fine sandy loam, silty clay loam, and silt loam. This soil fits the NRCS F3 indicator (Depleted Matrix) and F6 indicator (Redox Dark Surface). Hydrology indicators present in Wetland W5 included Water-Stained Leaves (B9).

Wetland W6 is a 0.94± acre golf course pond dominated by soft stem bulrush (*Schoenoplectus tabernaemontani)*, and creeping bentgrass (*Agrostis stolonifera*). Soils within wetland W6 are mapped as Schoharie silt loam and had a topsoil color of 7.5YR5/1 with 7% 7.5YR5/6 mottles and a subsoil color of 7.5YR5/4 with 15% 7.5YR5/6 mottles. The texture is silty clay. This soil fits the NRCS F3 indicator (Depleted Matrix). Hydrology indcators present in Wetland W6 included surface water (A1), high water table (A2), saturation (A3), Water Marks (B1), Inundation Visible on Aerial Imagery (B7), and Water-Stained Leaves (B9).

Wetland W7 is a 0.02± acre scrub-shrub swamp dominated by swamp white oak (*Quercus bicolor*), common buckthorn (*Rhamnus cathartica*), pin oak (*Quercus palustris*), and fowl mannagrass (*Glyceria striata*). Soils within wetland W7 are mapped as Odessa silt loam and had a topsoil color of 7.5YR3/1 with 15% 7.5YR5/8 mottles and a subsoil color of 7.5YR5/4 with 10% 7.5YR5/6 mottles. The texture is silty clay and silty clay loam. This soil fits the NRCS F6 indicator (Redox Dark Surface). Hydrology indicators present in Wetland W7 included Water-Stained Leaves (B9).

Wetland W8 is a 0.22± acre scrub-shrub swamp dominated by pin oak (*Quercus palustris*), red maple (*Acer rubrum*), green ash (*Fraxinus pennsylvanica*), troublesome sedge (*Carex molesta*), and tall goldenrod (*Solidago gigantea*). Soils within wetland W8 are mapped as Schoharie silt loam and

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had a topsoil color of 10YR4/2 with 15% 10YR5/8 mottles and a subsoil color of 7.5YR5/4 with 20% 7.5YR5/6 mottles. The texture is silty clay and silt loam. This soil fits the NRCS F3 indicator (Depleted Matrix). Hydrology indicators present in Wetland W8 included Water-Stained Leaves (B9).

Wetland W9 is a 0.93± acre scrub-shrub swamp dominated by eastern cottonwood (*Populus deltoides*), common buckthorn (*Rhamnus cathartica*), eastern woodland sedge (*Carex blanda*), and summer grape (*Vitis aestivalis*). Soils within wetland W9 are mapped as Cosad loamy fine sand and had a topsoil color of 10YR4/1 with 10% 10YR5/8 mottles and a subsoil color of 10YR5/2 with 15% 10YR5/8 mottles. The texture is silt loam. This soil fits the NRCS F3 indicator (Depleted Matrix). Hydrology indicators present in Wetland W9 included Water-Stained Leaves (B9).

Wetland W10 is a 2.25± acre portion of Ellicott Creek and an overflow channel to the creek dominated by black willow (*Salix nigra*), common buckthorn (*Rhamnus cathartica*), pussy willow (*Salix discolor*), common arrowhead (*Sagittaria latifolia*), and creeping jenny (*Lysimachia nummularia*). Soils within wetland W10 are mapped as water and had a topsoil color of 10YR2/1 with 2% 10YR5/8 mottles and no subsoil. The texture is mucky loam. This soil fits the NRCS F6 indicator (Redox Dark Surface). Hydrology indicators present in Wetland W10 included saturation (A3), Inundation Visible on Aerial Imagery (B7), and Water-Stained Leaves (B9).

Wetland W11 is a 0.33± acre shallow emergent marsh/perennial stream dominated by hybrid cattail (*Typha x glauca).* Soils within wetland W11 are mapped as Odessa silt loam and had a topsoil color of 7.5YR3/1 with 7% 7.5YR5/8 mottles and a subsoil color of 7.5YR5/4 with 5% 7.5YR5/6 mottles. The texture is silty clay and silty clay loam. This soil fits the NRCS F3 indicator (Depleted Matrix) and F6 indicator (Redox Dark Surface). Hydrology indicators present in Wetland W11 included Water Marks (B1) and Water-Stained Leaves (B9).

Wetland W12 is a 0.17± acre golf course pond dominated by American bur-reed (*Sparganium americanum*), and soft stem rush (*Schoenoplectus tabernaemontani*). Soils within wetland W12 are mapped as Claverack loamy fine sand and had a topsoil color of 10YR2/1 with no mottles and a subsoil color of 10YR6/1 with 3% 10YR5/8 mottles. The texture is muck and silty clay loam. This soil fits the NRCS F3 indicator (Depleted Matrix). Hydrology indicators present in Wetland W12 included surface water (A1), high water table (A2), saturation (A3), Inundation Visible on Aerial Imagery (B7) and Water-Stained Leaves (B9).

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Stream 1 is identified as Ellicott Creek and flows northerly through the eastern limits of the site. This perennial channel is identified as a Class B stream by NYSDEC standards. The substrate consists of gravel and cobble, with moderately vegetated banks. Within the project area, Stream 1 is approximately 50-75 feet wide (100 feet at OHWM) with an average water depth of 2-4 feet. EDI utilizes office and field observations to determine stream classifications. Stream 1 was identified as a perennial channel due to it being represented as a solid blue line on the USGS Topography Map (Figure 1), a defined bed and bank, and a lack of vegetation within the stream.

Stream 2 is identified as UNT to Ellicott Creek and had no flow at the time of the site investigation. This ephemeral channel is not identified by NYSDEC standards. The substrate consists of silt and organics, with heavily vegetated banks. Within the project area, Stream 2 is approximately 2 feet wide (3 feet at OHWM). EDI utilizes office and field observations to determine stream classifications. Stream 2 was identified as an intermittent channel due to it not being represented as on the USGS Topography Map (Figure 1), having no defined bed and bank, and heavy vegetation within the stream.

Stream 3 is identified as UNT to Ellicott Creek and had no flow during the time of the site investigation. This intermittent channel is not identified by NYSDEC standards. The substrate consists of silt and organics, with heavily vegetated banks. Within the project area, Stream 3 is approximately 6-8 feet wide (8 feet at OHWM). EDI utilizes office and field observations to determine stream classifications. Stream 3 was identified as an intermittent channel due to it not being represented as on the USGS Topography Map (Figure 1).

Pond 1 was identified as an old golf course pond. The substrate consisted of organic, and silt and the pond was heavily vegetated along the banks. Pond 1 is identified as PUBHx by NWI standards. Pond 1 is approximately 0.60± acres and has an average depth of 4-8 feet.

Pond 2 was identified as an old golf course pond. The substrate consisted of organic, and silt and the pond is heavily vegetated along the banks. Pond 2 is identified as PUBHx by NWI standards. Pond 2 is approximately 1.90± acres and has an average depth of 4-8 feet.

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Pond 3 was identified as an old golf course pond. The substrate consisted of organic, and silt and the pond is heavily vegetated along the banks. Pond 3 is identified as PUBHx by NWI standards. Pond 3 is approximately 0.94± acres and has an average depth of 4-8 feet.

Pond 4 was identified as an old golf course pond. The substrate consisted of organic, and silt and the pond is heavily vegetated along the banks. Pond 4 is not identified by NWI standards. Pond 1 is approximately 0.17± acres and has an average depth of 4-8 feet.

A map which depicts the site boundaries and the location of all observation points established during the field survey is included as Figure 6 in Appendix A of this report. Data forms are included as Appendix B. Appendix C includes representative photographs of the project area. Appendix D notes the references used during the preparation of this report and during the field investigation. Appendix E provides the names, addresses and phone numbers of the survey personnel involved in the wetland delineation study.

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SECTION VI: RECOMMENDATIONS

Twelve (12) wetland areas, including four ponds, and three (3) streams were identified during the course of a field investigation based upon the three-parameter technique (vegetation, soils, and hydrology) outlined in the Corps Manual and Northcentral and Northeast Regional Supplement. On May 25, 2023, the U.S. Supreme Court ruled in the Sackett v EPA case. As of the completion of this report, the USACE Buffalo District is awaiting guidance from EPA and USACE Headquarters on the implementation of this ruling relative to determining the jurisdictional status of various features. It is EDI's professional opinion that Stream 1 (Ellicott Creek) is regulated by the USACE under Section 404 of the Clean Water Act, and Article 15 of New York Conservation Law. USACE and NYSDEC approach their regulatory analyses by first considering avoidance of wetlands and minimization of wetland losses. EDI recommends the following:

(1) Submit this report to USACE and NYSDEC with a request for a wetland boundary confirmation and jurisdictional determination.

(2) If no impacts are proposed to federally regulated wetlands, or Ellicott Creek based on the outcome of the jurisdictional determination, it is the professional opinion of EDI that the project may proceed without the need for a Section 404, or Article 15 Permit.

(3) If any federally jurisdictional wetland impacts or impacts to the bed or banks of Ellicott Creek are proposed, it is EDI's recommendation that a Joint Application for Permit and supporting documentation be submitted to the USACE and NYSDEC with a request for a Section 404 Permit, Section 401 Water Quality Certification and/or Article 15 Permit.

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

AMHERST CENTRAL PARK - 772 NORTH FOREST ROAD

APPENDIX A - FIGURES

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

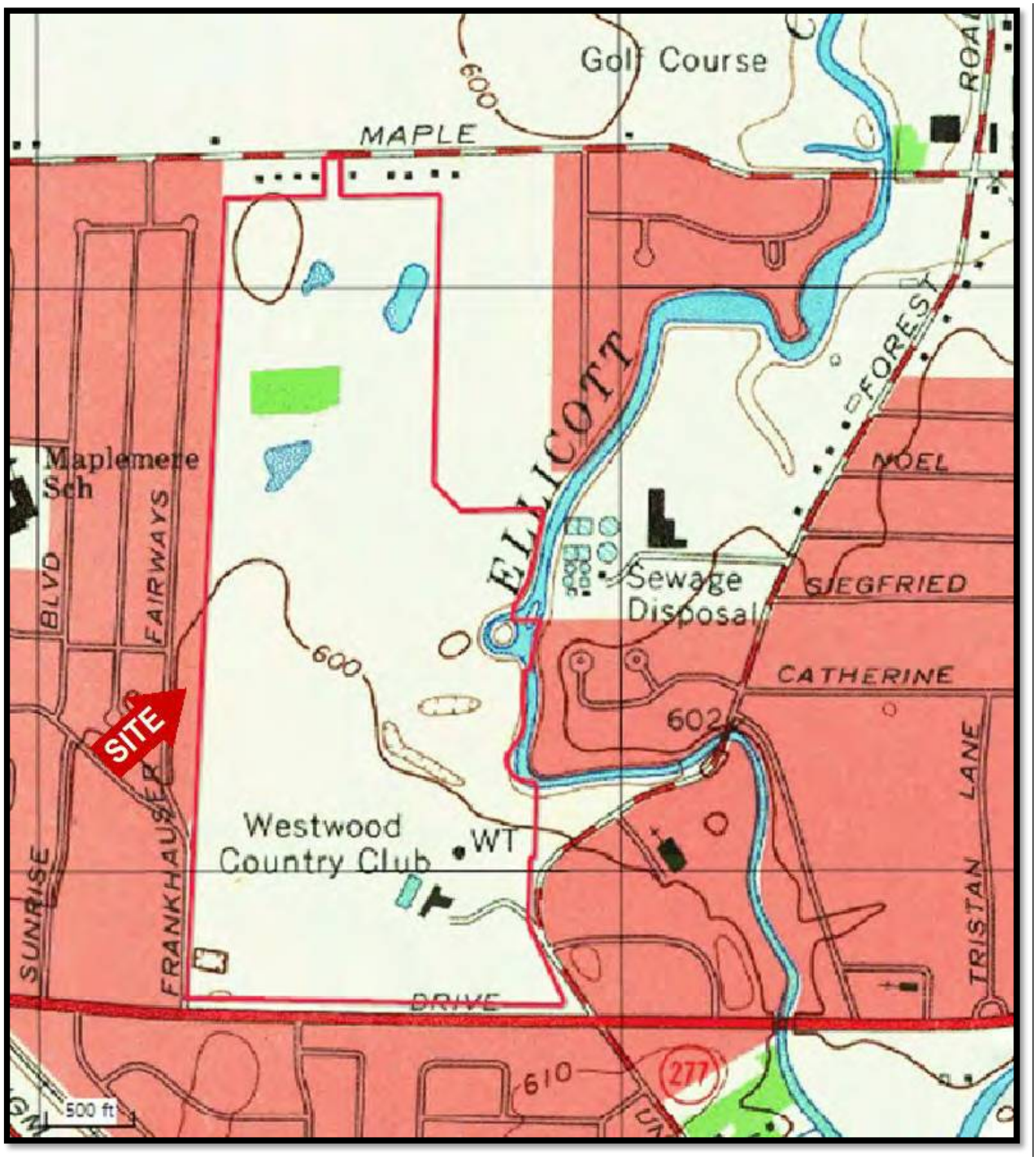


FIGURE 1: USGS 7.5 MINUTE TOPOGRAPHICAL MAP

Buffalo NE Quadrangle / U.S. Geological Survey

Amherst Central Park - 772 North Forest Road

Town of Amherst, Erie County, New York

EARTH DIMENSIONS, INC.

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)



FIGURE 2: NATIONAL WETLANDS INVENTORY MAP

http://www.fws.gov/wetlands/data/mapper.HTML (Visited 5/23/23)

Amherst Central Park - 772 North Forest Road

Town of Amherst, Erie County, New York

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)



FIGURE 3: NRCS SOIL SURVEY MAP

http://websoilsurvey.sc.egov.usda.gov/App/WebSoilSurvey.aspx (Visited 5/23/23)

Amherst Central Park - 772 North Forest Road

Town of Amherst, Erie County, New York

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Hydric Rating by Map Unit—Erie County, New York
(Parcel)

MAP LEGEND

Area of Interest (AOI)
- Area of Interest (AOI)

Soils

Soil Rating Polygons
- Hydric (100%)
- Hydric (66 to 99%)
- Hydric (33 to 65%)
- Hydric (1 to 32%)
- Not Hydric (0%)
- Not rated or not available

Soil Rating Lines
- Hydric (100%)
- Hydric (66 to 99%)
- Hydric (33 to 65%)
- Hydric (1 to 32%)
- Not Hydric (0%)
- Not rated or not available

Soil Rating Points
- Hydric (100%)
- Hydric (66 to 99%)
- Hydric (33 to 65%)
- Hydric (1 to 32%)
- Not Hydric (0%)
- 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.

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 22, Sep 10, 2022

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: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Hydric Rating by Map Unit

Map unit symbol	Map unit name	Rating	Acres in AOI	Percent of AOI
CrA	Claverack loamy fine sand, 0 to 3 percent slopes	5	30.2	17.8%
Cv	Cosad loamy fine sand	10	25.9	15.2%
La	Lakemont silt loam, 0 to 3 percent slopes	95	4.0	2.4%
Od	Odessa silt loam, 0 to 3 percent slopes	5	64.4	37.9%
SaA	Schoharie silt loam, 0 to 3 percent slopes	0	2.3	1.4%
SaB	Schoharie silt loam, 3 to 8 percent slopes	0	23.5	13.8%
Te	Teel silt loam	5	10.3	6.1%
Ut	Urban land-Odessa complex, 0 to 3 percent slopes	5	7.5	4.4%
W	Water	0	1.9	1.1%
Totals for Area of Interest			**170.1**	**100.0%**

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)



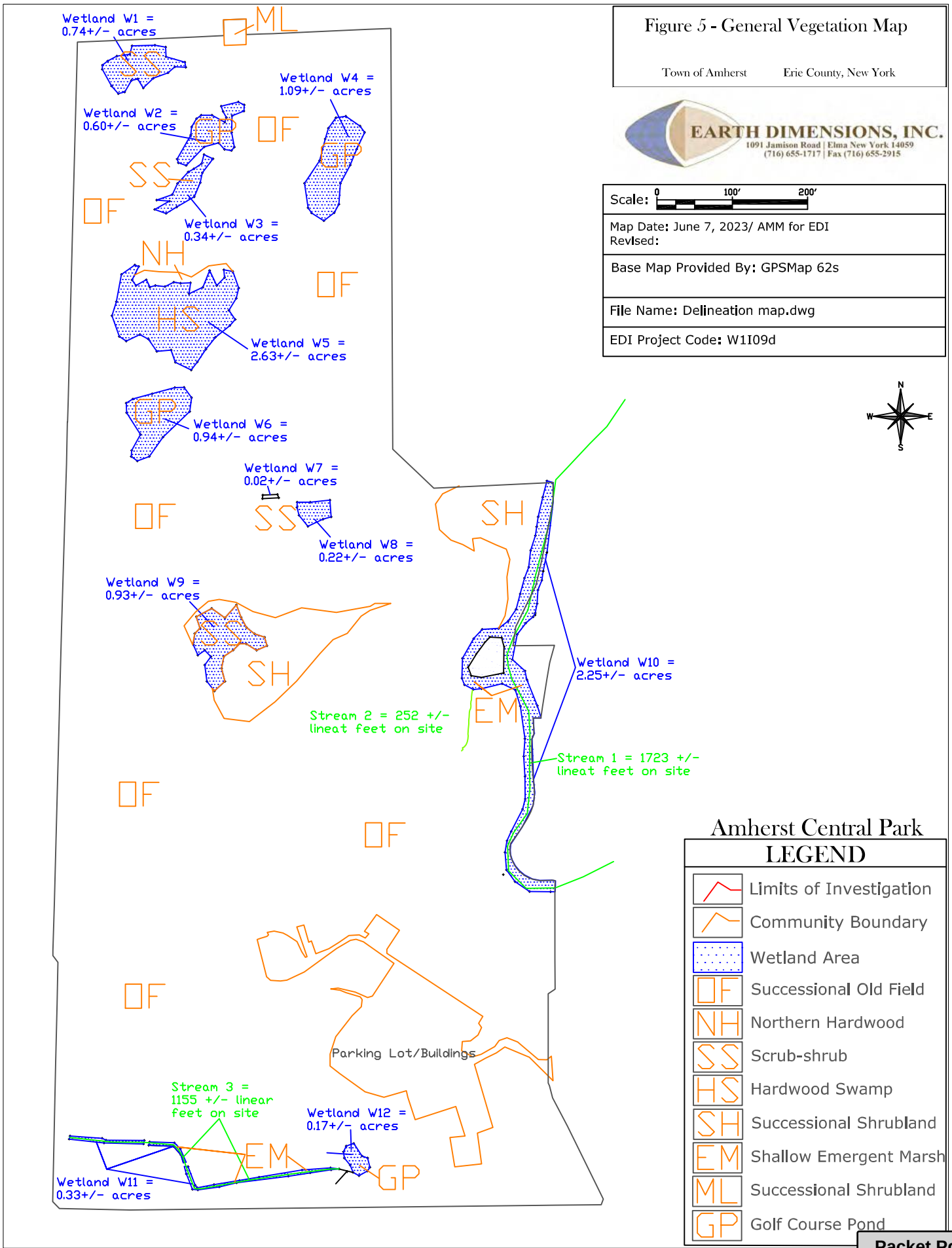
FIGURE 4: NYSDEC ENVIRONMENTAL RESOURCE MAPPER

https://gisservices.dec.ny.gov/gis/erm/ (Visited 5/23/23)

Amherst Central Park – 772 North Forest Road

Town of Lancaster, Erie County, New York

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

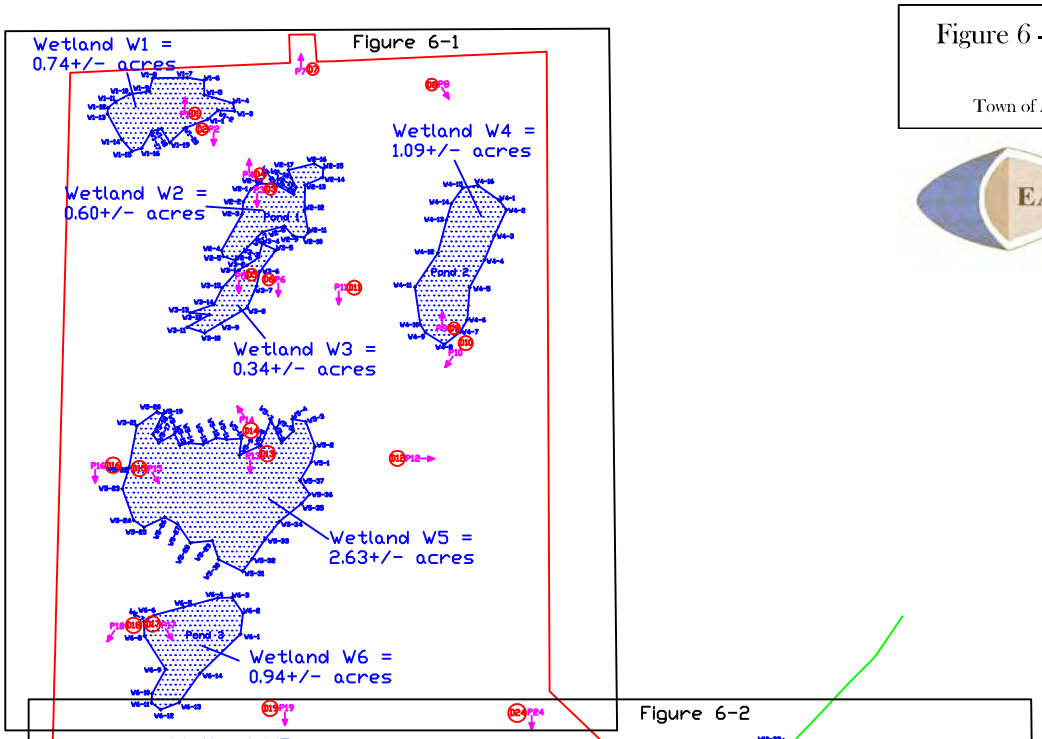


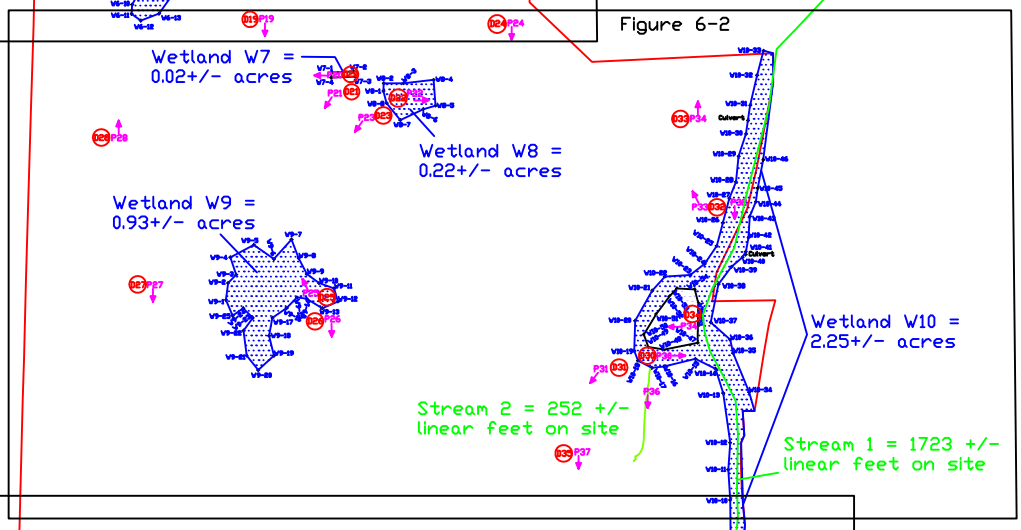
Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

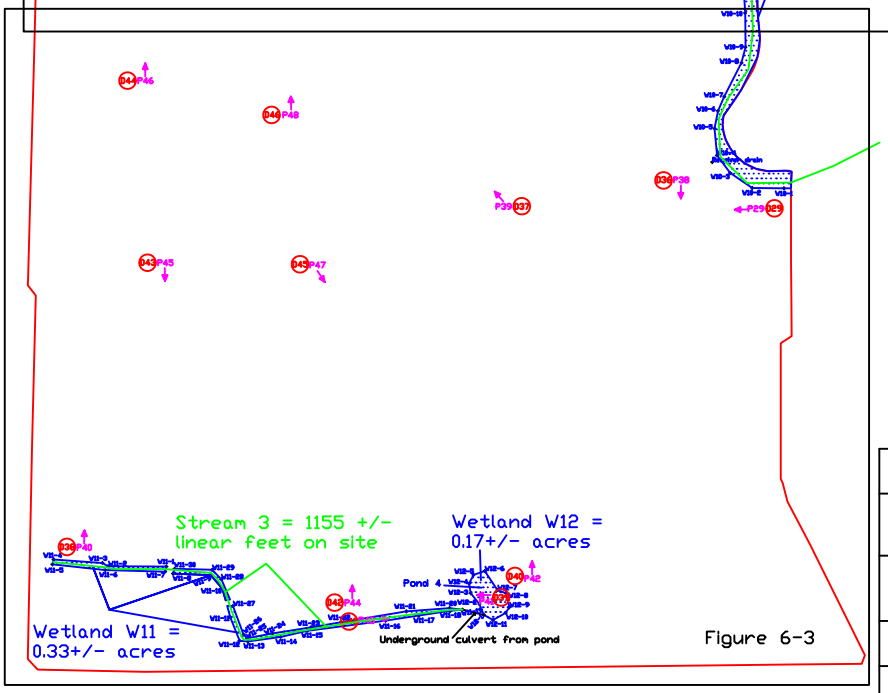
Figure 6 - Wetland Delineation Map

Town of Amherst Erie County, New York

EARTH DIMENSIONS, INC.
1091 Jamison Road | Elma New York 14059
(716) 655-1717 | Fax (716) 655-2915







Amherst Central Park

LEGEND

- Limits of Investigation
- Streams
- W1-1 Wetland Boundary Flag
- Wetland Area
- P1 Photo Location
- D1 Data Point Location

Scale: 0 100' 200'

Map Date: June 7, 2023/ AMM for EDI
Revised:

Base Map Provided By: GPSMap 62s

File Name: Delineation map.dwg

EDI Project Code: W1I09d

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

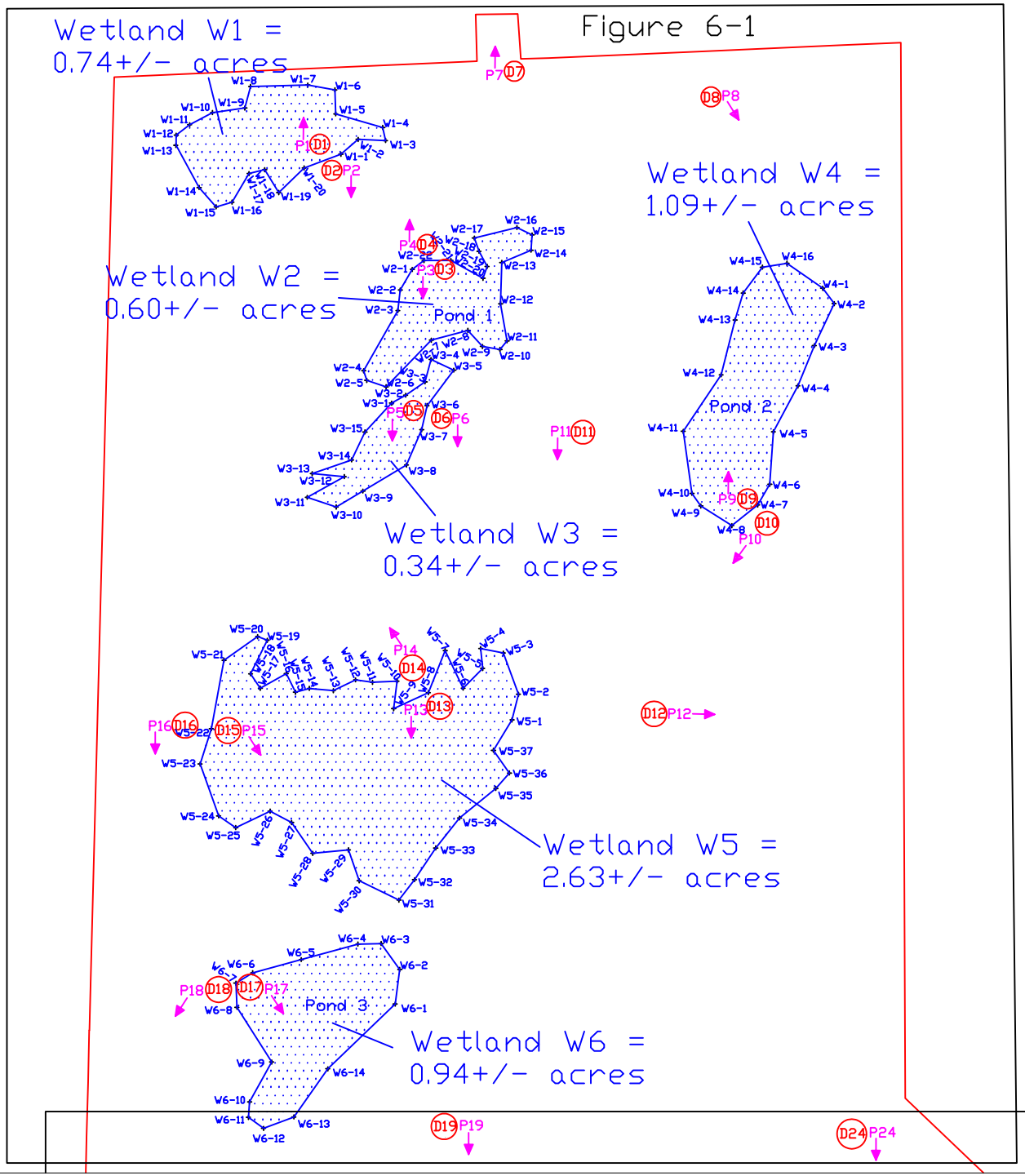


Figure 6-1
Wetland W1 =
0.74+/- acres
Wetland W2 =
0.60+/- acres
Pond 1
Wetland W3 =
0.34+/- acres
Wetland W4 =
1.09+/- acres
Pond 2
Wetland W5 =
2.63+/- acres
Pond 3
Wetland W6 =
0.94+/- acres

Figure 6-2

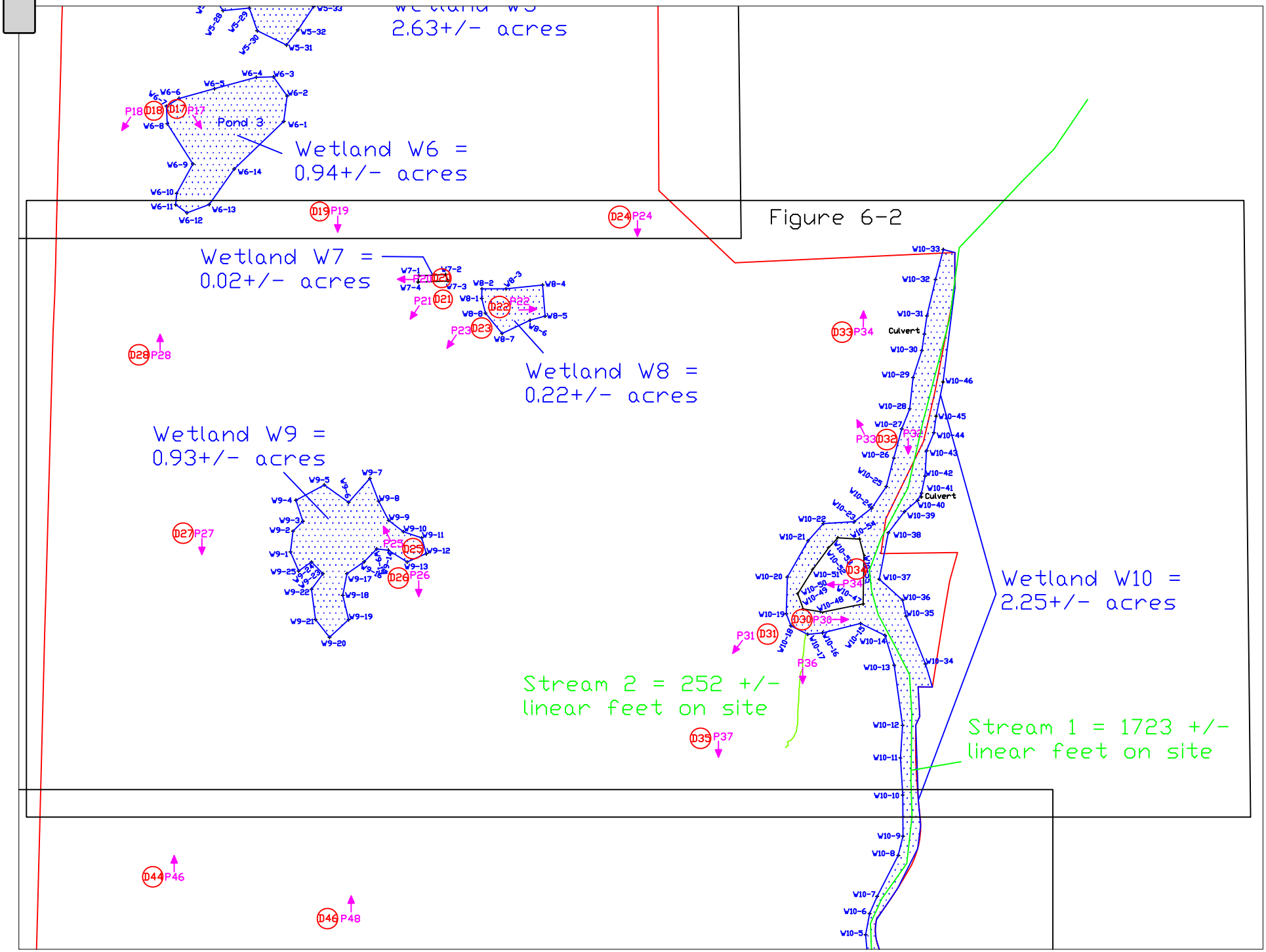

2.63+/- acres
Pond 3
Wetland W6 =
0.94+/- acres
Figure 6-2
Wetland W7 =
0.02+/- acres
Wetland W8 =
0.22+/- acres
Wetland W9 =
0.93+/- acres
Culvert
Culvert
Wetland W10 =
2.25+/- acres
Stream 2 = 252 +/-
linear feet on site
Stream 1 = 1723 +/-
linear feet on site

Figure 6-3

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)



FIGURE 7: DRAINAGE MAP

https://streamstats.usgs.gov/ss/ (Visited 5/23/23)

Amherst Central Park - 772 North Forest Road

Town of Amherst, Erie County, New York

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)



FIGURE 8: SITE AERIAL PHOTOGRAPH

https://gis.erie.gov/Html5Viewer133/index.html?viewer=ErieCountyNY.HTML5_2_11_0

Amherst Central Park - 772 North Forest Road

Town of Amherst, Erie County, New York

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)



Figure 9: Aerial Photo With Wetlands
GoogleEarth.com (Visited 5/24/23)
Amherst Central Park
Town of Amherst, Erie County, New York

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)



Figure 10: Soils Map With Wetlands
GoogleEarth.com (Visited 5/24/23)
Amherst Central Park
Town of Amherst, Erie County, New York

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)



FIGURE 11: FEMA MAP

https://www.fema.gov/flood-maps (Visited 5/23/23)

Amherst Central Park - 772 North Forest Road

Town of Amherst, Erie County, New York

EARTH DIMENSIONS, INC.

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

AMHERST CENTRAL PARK - 772 NORTH FOREST ROAD

APPENDIX B – DATA SHEETS

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1I09d

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: Amherst Central Park Town/County: Amherst/Erie County Sampling Date: 6.5.2023

Applicant/Owner: Town of Amherst State: New York Sampling Point: D1

Investigator(s): Scott Livingstone & Alex Molik Section, Township, Range: 68.01-1-1.2

Landform (hillslope, terrace, etc.): ~~DEPRESSION~~ Local relief (concave, convex, none): CONCAVE Slope (%): <1

Subregion (LRR or MLRA) LRRL Lat: 42.990389 °N Long: -78.77443 °W Datum: NAD83

Soil Map Unit Name: SCHOHARIE SILT LOAM, 0-3% Slopes NWI classification: PSS

Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No _____ (If no, explain in Remarks.)

Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes X No _____

Are Vegetation _____, Soil _____, or Hydrology _____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS : Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes X No _____	**Is the Sampled Area within a Wetland?**	Yes X No _____
Hydric Soil Present?	Yes X No _____		
Wetland Hydrology Present?	Yes X No _____	If yes, optional Wetland Site ID:	W1

Remarks: (Explain alternative procedures here or in a separate report.)

• W1-1 → W1-20 (CLOSED)

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ___ Surface Water (A1)
- ___ High Water Table (A2)
- ___ Saturation (A3)
- ___ Water Marks (B1)
- ___ Sediment Deposits (B2)
- ___ Drift Deposits (B3)
- ___ Algal Mat or Crust (B4)
- ___ Iron Deposits (B5)
- ___ Inundation Visible on Aerial Imagery (B7)
- ___ Sparsely Vegetated Concave Surface (B8)
- X Water-Stained Leaves (B9)
- ___ Aquatic Fauna (B13)
- ___ Marl Deposits (B15)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres on Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ___ Surface Soil Cracks (B6)
- ___ Drainage Patterns (B10)
- ___ Moss Trim Lines (B16)
- ___ Dry-Season W ater Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Stunted or Stressed Plants (D1)
- ___ Geomorphic Position (D2)
- ___ Shallow Aquitard (D3)
- ___ Microtopographic Relief (D4)
- ___ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present? Yes _____ No X Depth (inches): N/A

Water Table Present? Yes _____ No X Depth (inches): N/A

Saturation Present? (includes capillary fringe) Yes _____ No X Depth (inches): N/A

Wetland Hydrology Present? Yes X No _____

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1I09d

VEGETATION : Use scientific names of plants.

Sampling Point: D1

Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status
1. Quercus palustris	3	N	FACW
2.			
3.			
4.			
5.			
6.			
7.			
	3	= Total Cover	

Sapling/Shrub Stratum (Plot size: 15')			
1. Rhamnus cathartica	80	Y	FAC
2. Fraxinus pennsylvanica	15	Y	FACW
3.			
4.			
5.			
6.			
7.			
	35	= Total Cover	

Herb Stratum (Plot size: 5')			
1. Scirpus microcarpus	40	Y	OBL
2. Carex vulpinoidea	80	Y	OBL
3. Carex tribuloides	10	N	FACW
4. Rhamnus Cathartica	10	N	FAC
5. Juncus effusus	10	N	OBL
6. Poa pratensis	5	N	FACU
7. Fraxinus pennsylvanica	5	N	FACW
8.			
9.			
10.			
11.			
12.			
	100	= Total Cover	

Woody Vine Stratum (Plot size: 30')			
1.			
2.			
3.			
4.			
	0	= Total Cover	

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 4 (A)

Total Number of Dominant Species Across All Strata: 4 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 100 (A/B)

Prevalence Index worksheet:

Total % Cover of:	Multiply by:
OBL species	x 1 =
FACW species	x 2 =
FAC species	x 3 =
FACU species	x 4 =
UPL species	x 5 =
Column Totals: (A)	(B)

Prevalence Index = B/A =

Hydrophytic Vegetation Indicators:

__ 1 - Rapid Test for Hydrophytic Vegetation

__ 2 - Dominance Test is >50%

__ 3 - Prevalence Index is < 3.0[1]

__ 4 - Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)

__ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Definitions of Vegetation Strata:

Tree - Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft (1 m) tall.

Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vines - All woody vines greater than 3.28 ft in height.

Community Type: Scrub-shrub swamp

Hydrophytic Vegetation Present? Yes ✓ No ____

Remarks: (Include photo numbers here or on a separate sheet.)

Photo # P1 **Direction of Photo** N

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1I09d

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
0-5	7.5YR4/1	85	7.5YR5/8	15	C	M	SiCl	
5-20	7.5YR3/4	80	7.5YR5/6	10	C	M	SiC	
			7.5YR5/1	10	D	M		

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Dark Surface (S7) (**LRR R, MLRA 149B**)
- ___ Polyvalue Below Surface (S8) (**LRR R, MLRA 149B**)
- ___ Thin Dark Surface (S9) (**LRR R, MLRA 149B**)
- ___ Loamy Mucky Mineral (F1) (**LRR K, L**)
- ___ Loamy Gleyed Matrix (F2)
- X Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ___ 2 cm Muck (A10) (**LRR K, L, MLRA 149B**)
- ___ Coast Prairie Redox (A16) (**LRR K, L, R**)
- ___ 5 cm Mucky Peat or Peat (S3) (**LRR K, L, R**)
- ___ Dark Surface (S7) (**LRR K, L, M**)
- ___ Polyvalue Below Surface (S8) (**LRR K, L**)
- ___ Thin Dark Surface (S9) (**LRR K, L**)
- ___ Iron-Manganese Masses (F12) (**LRR K, L, R**)
- ___ Piedmont Floodplain Soils (F19) (**MLRA 149B**)
- ___ Mesic Spodic (TA6) (**MLRA 144A, 145, 149B**)
- ___ Red Parent Material (TF2)
- ___ Very Shallow Dark Surface (TF12)
- ___ Other (Explain in Remarks)

[3] Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: NONE

Depth (inches): N/A

Hydric Soil Present? Yes X No ___

Remarks:

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1l09d

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: Amherst Central Park Town/County: Amherst/Erie County Sampling Date: 6.5.2023

Applicant/Owner: Town of Amherst State: New York Sampling Point: D2

Investigator(s): Scott Livingstone & Alex Molik Section, Township, Range: 68.01-1-1.2

Landform (hillslope, terrace, etc.): LAKE Plain Local relief (concave, convex, none): CONVEX Slope (%): 2

Subregion (LRR or MLRA) LRRL Lat: 42.99030°N Long: -78.77429°W Datum: NAD83

Soil Map Unit Name: SCHOHARIE SILT LOAM, 3-8% slopes 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 SUCCESSIONAL FIELD

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ___ Surface Water (A1)
- ___ High Water Table (A2)
- ___ Saturation (A3)
- ___ Water Marks (B1)
- ___ Sediment Deposits (B2)
- ___ Drift Deposits (B3)
- ___ Algal Mat or Crust (B4)
- ___ Iron Deposits (B5)
- ___ Inundation Visible on Aerial Imagery (B7)
- ___ Sparsely Vegetated Concave Surface (B8)
- ___ Water-Stained Leaves (B9)
- ___ Aquatic Fauna (B13)
- ___ Marl Deposits (B15)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres on Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ___ Surface Soil Cracks (B6)
- ___ Drainage Patterns (B10)
- ___ Moss Trim Lines (B16)
- ___ Dry-Season W ater Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Stunted or Stressed Plants (D1)
- ___ Geomorphic Position (D2)
- ___ Shallow Aquitard (D3)
- ___ Microtopographic Relief (D4)
- ___ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present?	Yes ____	No X	Depth (inches): N/A
Water Table Present?	Yes ____	No X	Depth (inches): N/A
Saturation Present? (includes capillary fringe)	Yes ____	No X	Depth (inches): N/A

Wetland Hydrology Present? Yes ____ No X

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1I09d

VEGETATION : Use scientific names of plants. Sampling Point: D2

Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status
1.			
2.			
3.			
4.			
5.			
6.			
7.			
	0 = Total Cover		
Sapling/Shrub Stratum (Plot size: 15')			
1. Robinia pseudoacacia	15	Y	FACU
2.			
3.			
4.			
5.			
6.			
7.			
	15 = Total Cover		
Herb Stratum (Plot size: 5')			
1. Poa pratensis	75	Y	FACU
2. Lolium perenne	15	N	FACU
3. Phalaris arundinacea	10	N	FACW
4. Dactylis glomerata	10	N	FACU
5. Taraxacum officinale	5	N	FACU
6.			
7.			
8.			
9.			
10.			
11.			
12.			
	115 = Total Cover		
Woody Vine Stratum (Plot size: 30')			
1.			
2.			
3.			
4.			
	0 = Total Cover		

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 0 (A)

Total Number of Dominant Species Across All Strata: 2 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 0 (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1 =	0
FACW species	10	x 2 =	20
FAC species	0	x 3 =	0
FACU species	120	x 4 =	480
UPL species	0	x 5 =	0
Column Totals:	130 (A)		500 (B)

Prevalence Index = B/A = 3.85

Hydrophytic Vegetation Indicators:

___ 1 - Rapid Test for Hydrophytic Vegetation

___ 2 - Dominance Test is >50%

___ 3 - Prevalence Index is < 3.0[1]

___ 4 - Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)

___ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Definitions of Vegetation Strata:

Tree - Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft (1 m) tall.

Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vines - All woody vines greater than 3.28 ft in height.

Community Type: Successional old field

Hydrophytic Vegetation Present? Yes ____ No x

Remarks: (Include photo numbers here or on a separate sheet.)

Photo # P2 **Direction of Photo** S

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1l09d

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
0-4	7.5YR5/4	100					SiCl	
4-20	7.5YR5/4	100					SiC	

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Dark Surface (S7) (**LRR R, MLRA 149B**)
- ___ Polyvalue Below Surface (S8) (**LRR R, MLRA 149B**)
- ___ Thin Dark Surface (S9) (**LRR R, MLRA 149B**)
- ___ Loamy Mucky Mineral (F1) (**LRR K, L**)
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ___ 2 cm Muck (A10) (**LRR K, L, MLRA 149B**)
- ___ Coast Prairie Redox (A16) (**LRR K, L, R**)
- ___ 5 cm Mucky Peat or Peat (S3) (**LRR K, L, R**)
- ___ Dark Surface (S7) (**LRR K, L, M**)
- ___ Polyvalue Below Surface (S8) (**LRR K, L**)
- ___ Thin Dark Surface (S9) (**LRR K, L**)
- ___ Iron-Manganese Masses (F12) (**LRR K, L, R**)
- ___ Piedmont Floodplain Soils (F19) (**MLRA 149B**)
- ___ Mesic Spodic (TA6) (**MLRA 144A, 145, 149B**)
- ___ Red Parent Material (TF2)
- ___ Very Shallow Dark Surface (TF12)
- ___ Other (Explain in Remarks)

[3] Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: NONE

Depth (inches): N/A

Hydric Soil Present? Yes _____ No X

Remarks:

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1l09d

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: Amherst Central Park Town/County: Amherst/Erie County Sampling Date: 6.5.2023

Applicant/Owner: Town of Amherst State: New York Sampling Point: D3

Investigator(s): Scott Livingstone & Alex Molik Section, Township, Range: 68.01-1-1.2

Landform (hillslope, terrace, etc.): POND Local relief (concave, convex, none): CONCAVE Slope (%): 0

Subregion (LRR or MLRA) LRRL Lat: 42.98989°N Long: -78.77383°W Datum: NAD83

Soil Map Unit Name: ODESSA SILT LOAM, 0-3% SLOPES NW I classification: PEM

Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No _____ (If no, explain in Remarks.)

Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes X No _____

Are Vegetation _____, Soil _____, or Hydrology _____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS : Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes X	No _____	**Is the Sampled Area within a Wetland?** Yes X No _____
Hydric Soil Present?	Yes X	No _____	
Wetland Hydrology Present?	Yes X	No _____	If yes, optional Wetland Site ID: W2

Remarks: (Explain alternative procedures here or in a separate report.)

- W2-1 → W2-22 (CLOSED)
- FORMER GOLF COURSE POND

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- X Surface Water (A1)
- X High Water Table (A2)
- X Saturation (A3)
- ___ Water Marks (B1)
- ___ Sediment Deposits (B2)
- ___ Drift Deposits (B3)
- ___ Algal Mat or Crust (B4)
- ___ Iron Deposits (B5)
- X Inundation Visible on Aerial Imagery (B7)
- ___ Sparsely Vegetated Concave Surface (B8)
- X Water-Stained Leaves (B9)
- ___ Aquatic Fauna (B13)
- ___ Marl Deposits (B15)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres on Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ___ Surface Soil Cracks (B6)
- ___ Drainage Patterns (B10)
- ___ Moss Trim Lines (B16)
- ___ Dry-Season Water Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Stunted or Stressed Plants (D1)
- ___ Geomorphic Position (D2)
- ___ Shallow Aquitard (D3)
- ___ Microtopographic Relief (D4)
- ___ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present? Yes X No _____ Depth (inches): 1-6+"

Water Table Present? Yes X No _____ Depth (inches): INUNDATED

Saturation Present? (includes capillary fringe) Yes X No _____ Depth (inches): INUNDATED

Wetland Hydrology Present? Yes X No _____

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1I09d

VEGETATION : Use scientific names of plants.

Sampling Point: D3

Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status
1.			
2.			
3.			
4.			
5.			
6.			
7.			
	= Total Cover		
Sapling/Shrub Stratum (Plot size: 15')			
1. Salix nigra	10	Y	OBL
2.			
3.			
4.			
5.			
6.			
7.			
	10 = Total Cover		
Herb Stratum (Plot size: 5')			
1. Typha x glauca	75	Y	OBL
2. Eleocharis palustris	10	N	OBL
3. Phragmites australis	5	N	FACW
4.			
5.			
6.			
7.			
8.			
9.			
10.			
11.			
12.			
	90 = Total Cover		
Woody Vine Stratum (Plot size: 30')			
1.			
2.			
3.			
4.			
	0 = Total Cover		

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 2 (A)

Total Number of Dominant Species Across All Strata: 2 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 100 (A/B)

Prevalence Index worksheet:

Total % Cover of:	Multiply by:
OBL species	x 1 =
FACW species	x 2 =
FAC species	x 3 =
FACU species	x 4 =
UPL species	x 5 =
Column Totals: (A)	(B)

Prevalence Index = B/A =

Hydrophytic Vegetation Indicators:

- X 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: Golf Course Pond

Hydrophytic Vegetation Present? Yes X No ___

Remarks: (Include photo numbers here or on a separate sheet.)

Photo # P3 **Direction of Photo** S

- Pond 1

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1I09d

SOIL

Sampling Point: D3

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-4	10YR3/1	95	10YR5/8	5	C	M	SiL	
4-20	10YR5/1	93	10YR5/8	7	C	M	SiCL	

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Dark Surface (S7) (**LRR R, MLRA 149B**)
- ___ Polyvalue Below Surface (S8) (**LRR R, MLRA 149B**)
- ___ Thin Dark Surface (S9) (**LRR R, MLRA 149B**)
- ___ Loamy Mucky Mineral (F1) (**LRR K, L**)
- ___ Loamy Gleyed Matrix (F2)
- X Depleted Matrix (F3)
- X Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ___ 2 cm Muck (A10) (**LRR K, L, MLRA 149B**)
- ___ Coast Prairie Redox (A16) (**LRR K, L, R**)
- ___ 5 cm Mucky Peat or Peat (S3) (**LRR K, L, R**)
- ___ Dark Surface (S7) (**LRR K, L, M**)
- ___ Polyvalue Below Surface (S8) (**LRR K, L**)
- ___ Thin Dark Surface (S9) (**LRR K, L**)
- ___ Iron-Manganese Masses (F12) (**LRR K, L, R**)
- ___ Piedmont Floodplain Soils (F19) (**MLRA 149B**)
- ___ Mesic Spodic (TA6) (**MLRA 144A, 145, 149B**)
- ___ Red Parent Material (TF2)
- ___ Very Shallow Dark Surface (TF12)
- ___ Other (Explain in Remarks)

[3] Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: NONE

Depth (inches): N/A

Hydric Soil Present? Yes X No ___

Remarks:

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1I09d

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: Amherst Central Park Town/County: Amherst/Erie County Sampling Date: 6-5-2023

Applicant/Owner: Town of Amherst State: New York Sampling Point: D4

Investigator(s): Scott Livingstone & Alex Molik Section, Township, Range: 68.01-1-1.2

Landform (hillslope, terrace, etc.): Depression Local relief (concave, convex, none): CONCAVE Slope (%): 2

Subregion (LRR or MLRA) LRRL Lat: 42.98991°N Long: -78.77387°W Datum: NAD83

Soil Map Unit Name: SCHOHARIE SILT LOAM, 3-8% Slopes 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 SUCCESSIONAL FIELD
- Possibly FORMER SAND TRAP IN ABANDONED COUNTRY CLUB

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: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1l09d

VEGETATION : Use scientific names of plants. Sampling Point: D4

Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status
1.			
2.			
3.			
4.			
5.			
6.			
7.			
	0 = Total Cover		

Sapling/Shrub Stratum (Plot size: 15')			
1.			
2.			
3.			
4.			
5.			
6.			
7.			
	0 = Total Cover		

Herb Stratum (Plot size: 5')			
1. Poa pratensis	85	Y	FACW
2. Achillea millefolium	20	N	FACU
3. Dactylis glomerata	10	N	FACU
4. Daucus carota	5	N	FACU
5. Centaurea stoebe	5	N	NI
6.			
7.			
8.			
9.			
10.			
11.			
12.			
	130 = Total Cover		

Woody Vine Stratum (Plot size: 30')			
1.			
2.			
3.			
4.			
	0 = Total Cover		

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 0 (A)

Total Number of Dominant Species Across All Strata: 1 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 0 (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1 =	0
FACW species	0	x 2 =	0
FAC species	0	x 3 =	0
FACU species	125	x 4 =	500
UPL species	0	x 5 =	0
Column Totals:	125 (A)		500 (B)

Prevalence Index = B/A = 4.0

Hydrophytic Vegetation Indicators:

___ 1 - Rapid Test for Hydrophytic Vegetation

___ 2 - Dominance Test is >50%

___ 3 - Prevalence Index is < 3.0[1]

___ 4 - Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)

___ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Definitions of Vegetation Strata:

Tree - Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft (1 m) tall.

Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vines - All woody vines greater than 3.28 ft in height.

Community Type: Successional old field

Hydrophytic Vegetation Present? Yes ____ No X

Remarks: (Include photo numbers here or on a separate sheet.)

Photo # P4 **Direction of Photo** N

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1I09d

SOIL Sampling Point: D4

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-14	10YR5/4	100					1fs	Likely fill
14-20	7.5YR5/2	100					Sil	Likely fill

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Dark Surface (S7) (**LRR R, MLRA 149B**)
- ___ Polyvalue Below Surface (S8) (**LRR R, MLRA 149B**)
- ___ Thin Dark Surface (S9) (**LRR R, MLRA 149B**)
- ___ Loamy Mucky Mineral (F1) (**LRR K, L**)
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ___ 2 cm Muck (A10) (**LRR K, L, MLRA 149B**)
- ___ Coast Prairie Redox (A16) (**LRR K, L, R**)
- ___ 5 cm Mucky Peat or Peat (S3) (**LRR K, L, R**)
- ___ Dark Surface (S7) (**LRR K, L, M**)
- ___ Polyvalue Below Surface (S8) (**LRR K, L**)
- ___ Thin Dark Surface (S9) (**LRR K, L**)
- ___ Iron-Manganese Masses (F12) (**LRR K, L, R**)
- ___ Piedmont Floodplain Soils (F19) (**MLRA 149B**)
- ___ Mesic Spodic (TA6) (**MLRA 144A, 145, 149B**)
- ___ Red Parent Material (TF2)
- ___ Very Shallow Dark Surface (TF12)
- ___ Other (Explain in Remarks)

[3] Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: NONE

Depth (inches): N/A

Hydric Soil Present? Yes ____ No Y

Remarks:

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1I09d

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: Amherst Central Park Town/County: Amherst/Erie County Sampling Date: 6-5-2023

Applicant/Owner: Town of Amherst State: New York Sampling Point: D5

Investigator(s): Scott Livingstone & Alex Molik Section, Township, Range: 68.01-1-1.2

Landform (hillslope, terrace, etc.): Depression Local relief (concave, convex, none): CONCAVE Slope (%): 0

Subregion (LRR or MLRA) LRRL Lat: 42.98927°N Long: -78.77395°W Datum: NAD83

Soil Map Unit Name: SCHOHARIE SILT LOAM, 3-8% SLOPES NWI classification: PSS

Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No ____ (If no, explain in Remarks.)

Are Vegetation ____, Soil ____, or Hydrology ____ significantly disturbed? Are "Normal Circumstances" present? Yes X No ____

Are Vegetation ____, Soil ____, or Hydrology ____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS : Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes X	No ____	**Is the Sampled Area within a Wetland?** Yes X No ____
Hydric Soil Present?	Yes X	No ____	
Wetland Hydrology Present?	Yes X	No ____	If yes, optional Wetland Site ID: W3

Remarks: (Explain alternative procedures here or in a separate report.)

• W3-1 → W3-15 (CLOSED)

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ___ Surface Water (A1)
- ___ High Water Table (A2)
- ___ Saturation (A3)
- X Water Marks (B1)
- ___ Sediment Deposits (B2)
- ___ Drift Deposits (B3)
- ___ Algal Mat or Crust (B4)
- ___ Iron Deposits (B5)
- ___ Inundation Visible on Aerial Imagery (B7)
- ___ Sparsely Vegetated Concave Surface (B8)
- X Water-Stained Leaves (B9)
- ___ Aquatic Fauna (B13)
- ___ Marl Deposits (B15)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres on Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ___ Surface Soil Cracks (B6)
- ___ Drainage Patterns (B10)
- ___ Moss Trim Lines (B16)
- ___ Dry-Season Water Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Stunted or Stressed Plants (D1)
- ___ Geomorphic Position (D2)
- ___ Shallow Aquitard (D3)
- ___ Microtopographic Relief (D4)
- ___ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present?	Yes ____	No X	Depth (inches): N/A
Water Table Present?	Yes ____	No X	Depth (inches): N/A
Saturation Present? (includes capillary fringe)	Yes ____	No X	Depth (inches): N/A

Wetland Hydrology Present? Yes X No ____

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1I09d

VEGETATION : Use scientific names of plants. Sampling Point: D5

Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status
1. Acer Saccharinum	15	Y	FACW
2. Salix alba	15	Y	FACW
3. Quercus palustris	5	N	FACW
4.			
5.			
6.			
7.			
	35	= Total Cover	

Sapling/Shrub Stratum (Plot size: 15')			
1. Acer Saccharinum	40	Y	FACW
2. Quercus palustris	25	Y	FACW
3. Fraxinus pennsylvanica	10	N	FACW
4.			
5.			
6.			
7.			
	75	= Total Cover	

Herb Stratum (Plot size: 5')			
1. Phalaris arundinacea	30	Y	FACW
2. Carex tribuloides	15	Y	OBL
3. Lythrum Salicaria	10	N	OBL
4. Carex praegracilis	10	N	FACW
5.			
6.			
7.			
8.			
9.			
10.			
11.			
12.			
	65	= Total Cover	

Woody Vine Stratum (Plot size: 30')			
1.			
2.			
3.			
4.			
	0	= Total Cover	

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 6 (A)

Total Number of Dominant Species Across All Strata: 6 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 100 (A/B)

Prevalence Index worksheet:

Total % Cover of:	Multiply by:
OBL species	x 1 =
FACW species	x 2 =
FAC species	x 3 =
FACU species	x 4 =
UPL species	x 5 =
Column Totals: (A)	(B)

Prevalence Index = B/A =

Hydrophytic Vegetation Indicators:

- ✓ 1 - Rapid Test for Hydrophytic Vegetation
- ___ 2 - Dominance Test is >50%
- ___ 3 - Prevalence Index is < 3.0[1]
- ___ 4 - Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)
- ___ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Definitions of Vegetation Strata:

Tree - Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft (1 m) tall.

Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vines - All woody vines greater than 3.28 ft in height.

Community Type: Scrub-shrub swamp

Hydrophytic Vegetation Present? Yes ____ No ____

Remarks: (Include photo numbers here or on a separate sheet.)

Photo # P5 **Direction of Photo** S

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1I09d

SOIL

Sampling Point: D5

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-8	10YR5/2	80	10YR5/8	20	C	M	SiL	
8-20	7.5YR5/4	90	10YR5/6	10	C	M	SiC	

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Dark Surface (S7) (**LRR R, MLRA 149B**)
- ___ Polyvalue Below Surface (S8) (**LRR R, MLRA 149B**)
- ___ Thin Dark Surface (S9) (**LRR R, MLRA 149B**)
- ___ Loamy Mucky Mineral (F1) (**LRR K, L**)
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ___ 2 cm Muck (A10) (**LRR K, L, MLRA 149B**)
- ___ Coast Prairie Redox (A16) (**LRR K, L, R**)
- ___ 5 cm Mucky Peat or Peat (S3) (**LRR K, L, R**)
- ___ Dark Surface (S7) (**LRR K, L, M**)
- ___ Polyvalue Below Surface (S8) (**LRR K, L**)
- ___ Thin Dark Surface (S9) (**LRR K, L**)
- ___ Iron-Manganese Masses (F12) (**LRR K, L, R**)
- ___ Piedmont Floodplain Soils (F19) (**MLRA 149B**)
- ___ Mesic Spodic (TA6) (**MLRA 144A, 145, 149B**)
- ___ Red Parent Material (TF2)
- ___ Very Shallow Dark Surface (TF12)
- ___ Other (Explain in Remarks)

[3] Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: NONE

Depth (inches): N/A

Hydric Soil Present? Yes _____ No X

Remarks:

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1l09d

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: Amherst Central Park Town/County: Amherst/Erie County Sampling Date: 6.5.2023

Applicant/Owner: Town of Amherst State: New York Sampling Point: D6

Investigator(s): Scott Livingstone & Alex Molik Section, Township, Range: 68.01-1-1.2

Landform (hillslope, terrace, etc.): LAKE Plain Local relief (concave, convex, none): CONVEX Slope (%): 5

Subregion (LRR or MLRA) LRRL Lat: 42.98926°N Long: -78.77378°W Datum: NAD83

Soil Map Unit Name: SCHOHARIE SILT LOAM, 3-8% Slopes 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 SUCCESSIONAL FIELD

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ___ Surface Water (A1)
- ___ High Water Table (A2)
- ___ Saturation (A3)
- ___ Water Marks (B1)
- ___ Sediment Deposits (B2)
- ___ Drift Deposits (B3)
- ___ Algal Mat or Crust (B4)
- ___ Iron Deposits (B5)
- ___ Inundation Visible on Aerial Imagery (B7)
- ___ Sparsely Vegetated Concave Surface (B8)
- ___ Water-Stained Leaves (B9)
- ___ Aquatic Fauna (B13)
- ___ Marl Deposits (B15)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres on Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ___ Surface Soil Cracks (B6)
- ___ Drainage Patterns (B10)
- ___ Moss Trim Lines (B16)
- ___ Dry-Season W ater Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Stunted or Stressed Plants (D1)
- ___ Geomorphic Position (D2)
- ___ Shallow Aquitard (D3)
- ___ Microtopographic Relief (D4)
- ___ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present? Yes _____ No X Depth (inches): N/A

Water Table Present? Yes _____ No X Depth (inches): N/A

Saturation Present? (includes capillary fringe) Yes _____ No X Depth (inches): N/A

Wetland Hydrology Present? Yes _____ No X

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1I09d

VEGETATION : Use scientific names of plants. Sampling Point: D6

Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status
1. Quercus palustris	5	Y	FACW
2. Populus deltoides	3	N	FAC
3.			
4.			
5.			
6.			
7.			
	8	= Total Cover	

Sapling/Shrub Stratum (Plot size: 15')			
1.			
2.			
3.			
4.			
5.			
6.			
7.			
	0	= Total Cover	

Herb Stratum (Plot size: 5')			
1. Poa pratensis	60	Y	FACU
2. Dactylis glomerata	25	Y	FACU
3. Dipsacus fullonum	10	N	FACU
4. Vicia cracca	10	N	NI
5.			
6.			
7.			
8.			
9.			
10.			
11.			
12.			
	125	= Total Cover	

Woody Vine Stratum (Plot size: 30')			
1.			
2.			
3.			
4.			
	0	= Total Cover	

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 1 (A)

Total Number of Dominant Species Across All Strata: 3 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 33 (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1 =	0
FACW species	5	x 2 =	10
FAC species	3	x 3 =	9
FACU species	115	x 4 =	460
UPL species	0	x 5 =	0
Column Totals:	123 (A)		479 (B)

Prevalence Index = B/A = 3.89

Hydrophytic Vegetation Indicators:

___ 1 - Rapid Test for Hydrophytic Vegetation

___ 2 - Dominance Test is >50%

___ 3 - Prevalence Index is < 3.0[1]

___ 4 - Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)

___ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Definitions of Vegetation Strata:

Tree - Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft (1 m) tall.

Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vines - All woody vines greater than 3.28 ft in height.

Community Type: Successional old field

Hydrophytic Vegetation Present? Yes ____ No x

Remarks: (Include photo numbers here or on a separate sheet.)

Photo # P6 **Direction of Photo** S

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1I09d

SOIL

Sampling Point: D6

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-5	7.5YR4/4	100					SiCl	
5-20	7.5YR5/4	100					SiC	

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Dark Surface (S7) (**LRR R, MLRA 149B**)
- ___ Polyvalue Below Surface (S8) (**LRR R, MLRA 149B**)
- ___ Thin Dark Surface (S9) (**LRR R, MLRA 149B**)
- ___ Loamy Mucky Mineral (F1) (**LRR K, L**)
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ___ 2 cm Muck (A10) (**LRR K, L, MLRA 149B**)
- ___ Coast Prairie Redox (A16) (**LRR K, L, R**)
- ___ 5 cm Mucky Peat or Peat (S3) (**LRR K, L, R**)
- ___ Dark Surface (S7) (**LRR K, L, M**)
- ___ Polyvalue Below Surface (S8) (**LRR K, L**)
- ___ Thin Dark Surface (S9) (**LRR K, L**)
- ___ Iron-Manganese Masses (F12) (**LRR K, L, R**)
- ___ Piedmont Floodplain Soils (F19) (**MLRA 149B**)
- ___ Mesic Spodic (TA6) (**MLRA 144A, 145, 149B**)
- ___ Red Parent Material (TF2)
- ___ Very Shallow Dark Surface (TF12)
- ___ Other (Explain in Remarks)

[3] Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: NONE

Depth (inches): N/A

Hydric Soil Present? Yes _____ No X

Remarks:

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1l09d

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: Amherst Central Park Town/County: Amherst/Erie County Sampling Date: 6-5-2023

Applicant/Owner: Town of Amherst State: New York Sampling Point: D7

Investigator(s): Scott Livingstone & Alex Molik Section, Township, Range: 68.01-1-1.2

Landform (hillslope, terrace, etc.): LAKE Plain Local relief (concave, convex, none): NONE Slope (%): 1

Subregion (LRR or MLRA) LRRL Lat: 42.99069°N Long: -78.77328°W Datum: NAD83

Soil Map Unit Name: ODESSA SILT LOAM, 0-3% Slopes 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	If yes, optional Wetland Site ID: N/A
Wetland Hydrology Present?	Yes _____	No X	

Remarks: (Explain alternative procedures here or in a separate report.)

UPLAND MOWN LAWN

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: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1I09d

VEGETATION : Use scientific names of plants. Sampling Point: D7

Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status
1.			
2.			
3.			
4.			
5.			
6.			
7.			
	0 = Total Cover		

Sapling/Shrub Stratum (Plot size: 15')			
1.			
2.			
3.			
4.			
5.			
6.			
7.			
	0 = Total Cover		

Herb Stratum (Plot size: 5')			
1. Poa pratensis	70	Y	FACU
2. Centaurea stoebe	20	N	NI
3. Lotus corniculatus	15	N	FACU
4. Taraxacum officinale	5	N	FACU
5.			
6.			
7.			
8.			
9.			
10.			
11.			
12.			
	110 = Total Cover		

Woody Vine Stratum (Plot size: 30')			
1.			
2.			
3.			
4.			
	0 = Total Cover		

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 6 (A)

Total Number of Dominant Species Across All Strata: 1 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 0 (A/B)

Prevalence Index worksheet:

Total % Cover of:	Multiply by:
OBL species 2	x 1 = 6
FACW species 0	x 2 = 0
FAC species 0	x 3 = 0
FACU species 90	x 4 = 360
UPL species 0	x 5 = 0
Column Totals: 90 (A)	360 (B)

Prevalence Index = B/A = 4.0

Hydrophytic Vegetation Indicators:

___ 1 - Rapid Test for Hydrophytic Vegetation

___ 2 - Dominance Test is >50%

___ 3 - Prevalence Index is < 3.0[1]

___ 4 - Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)

___ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Definitions of Vegetation Strata:

Tree - Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft (1 m) tall.

Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vines - All woody vines greater than 3.28 ft in height.

Community Type: Mown lawn

Hydrophytic Vegetation Present? Yes ____ No X

Remarks: (Include photo numbers here or on a separate sheet.)

Photo # P7 **Direction of Photo** N

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1I09d

SOIL

Sampling Point: D7

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-4	7.5YR4/2	100					SiCl	
4-20	7.5YR4/4	100					SiC	

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Dark Surface (S7) (**LRR R, MLRA 149B**)
- ___ Polyvalue Below Surface (S8) (**LRR R, MLRA 149B**)
- ___ Thin Dark Surface (S9) (**LRR R, MLRA 149B**)
- ___ Loamy Mucky Mineral (F1) (**LRR K, L**)
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ___ 2 cm Muck (A10) (**LRR K, L, MLRA 149B**)
- ___ Coast Prairie Redox (A16) (**LRR K, L, R**)
- ___ 5 cm Mucky Peat or Peat (S3) (**LRR K, L, R**)
- ___ Dark Surface (S7) (**LRR K, L, M**)
- ___ Polyvalue Below Surface (S8) (**LRR K, L**)
- ___ Thin Dark Surface (S9) (**LRR K, L**)
- ___ Iron-Manganese Masses (F12) (**LRR K, L, R**)
- ___ Piedmont Floodplain Soils (F19) (**MLRA 149B**)
- ___ Mesic Spodic (TA6) (**MLRA 144A, 145, 149B**)
- ___ Red Parent Material (TF2)
- ___ Very Shallow Dark Surface (TF12)
- ___ Other (Explain in Remarks)

[3] Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: NONE

Depth (inches): N/A

Hydric Soil Present? Yes _____ No X

Remarks:

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1l09d

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: Amherst Central Park Town/County: Amherst/Erie County Sampling Date: 6-5-2023

Applicant/Owner: Town of Amherst State: New York Sampling Point: D8

Investigator(s): Scott Livingstone & Alex Molik Section, Township, Range: 68.01-1-1.2

Landform (hillslope, terrace, etc.): LAKE PLAIN Local relief (concave, convex, none): NONE Slope (%): 1

Subregion (LRR or MLRA) LRRL Lat: 42.99054°N Long: -78.77212°W Datum: NAD83

Soil Map Unit Name: ODESSA SILT LOAM, 0-3% Slopes 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 SUCCESSIONAL FIELD WITH WILLOWS

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: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1I09d

VEGETATION : Use scientific names of plants. Sampling Point: D8

Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status
1. Salix fragilis	55	Y	FAC
2. Populus deltoides	10	N	FAC
3.			
4.			
5.			
6.			
7.			
	65	= Total Cover	

Sapling/Shrub Stratum (Plot size: 15')			
1. Rhamnus cathartica	5	Y	FAC
2.			
3.			
4.			
5.			
6.			
7.			
	5	= Total Cover	

Herb Stratum (Plot size: 5')			
1. Poa pratensis	70	Y	FACU
2. Dactylis glomerata	30	Y	FACU
3. Phalaris arundinacea	5	N	FACW
4. Rhamnus cathartica	5	N	FAC
5.			
6.			
7.			
8.			
9.			
10.			
11.			
12.			
	110	= Total Cover	

Woody Vine Stratum (Plot size: 30')			
1.			
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: 4 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 50 (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1 =	0
FACW species	5	x 2 =	10
FAC species	75	x 3 =	225
FACU species	100	x 4 =	400
UPL species	0	x 5 =	0
Column Totals:	180 (A)		635 (B)

Prevalence Index = B/A = 3.53

Hydrophytic Vegetation Indicators:

___ 1 - Rapid Test for Hydrophytic Vegetation

___ 2 - Dominance Test is >50%

___ 3 - Prevalence Index is < 3.0[1]

___ 4 - Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)

___ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Definitions of Vegetation Strata:

Tree - Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft (1 m) tall.

Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vines - All woody vines greater than 3.28 ft in height.

Community Type: Successional old field

Hydrophytic Vegetation Present? Yes ___ No N

Remarks: (Include photo numbers here or on a separate sheet.)

Photo # P8 **Direction of Photo** SE

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1I09d

SOIL

Sampling Point: D8

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-7	10YR4/1	100					Sil	
7-20	2.5YR5/4	75	7.5YR5/6	10	C	M	Sicl-	
			7.5YR5/1	15	D	M		

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Dark Surface (S7) (**LRR R, MLRA 149B**)
- ___ Polyvalue Below Surface (S8) (**LRR R, MLRA 149B**)
- ___ Thin Dark Surface (S9) (**LRR R, MLRA 149B**)
- ___ Loamy Mucky Mineral (F1) (**LRR K, L**)
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ___ 2 cm Muck (A10) (**LRR K, L, MLRA 149B**)
- ___ Coast Prairie Redox (A16) (**LRR K, L, R**)
- ___ 5 cm Mucky Peat or Peat (S3) (**LRR K, L, R**)
- ___ Dark Surface (S7) (**LRR K, L, M**)
- ___ Polyvalue Below Surface (S8) (**LRR K, L**)
- ___ Thin Dark Surface (S9) (**LRR K, L**)
- ___ Iron-Manganese Masses (F12) (**LRR K, L, R**)
- ___ Piedmont Floodplain Soils (F19) (**MLRA 149B**)
- ___ Mesic Spodic (TA6) (**MLRA 144A, 145, 149B**)
- ___ Red Parent Material (TF2)
- ___ Very Shallow Dark Surface (TF12)
- ___ Other (Explain in Remarks)

[3] Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: NONE

Depth (inches): N/A

Hydric Soil Present? Yes ____ No X

Remarks:

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1l09d

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: Amherst Central Park Town/County: Amherst/Erie County Sampling Date: 6.5.2023

Applicant/Owner: Town of Amherst State: New York Sampling Point: D9

Investigator(s): Scott Livingstone & Alex Molik Section, Township, Range: 68.01-1-1.2

Landform (hillslope, terrace, etc.): Depression Local relief (concave, convex, none): CONCAVE Slope (%): 0

Subregion (LRR or MLRA) LRRL Lat: 42.98883°N Long: -78.77200°W Datum: NAD83

Soil Map Unit Name: ODESSA SILT LOAM, 0-3% Slopes NWI classification: POW

Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No _____ (If no, explain in Remarks.)

Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes X No _____

Are Vegetation _____, Soil _____, or Hydrology _____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS : Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes X No _____	**Is the Sampled Area within a Wetland?**	Yes X No _____
Hydric Soil Present?	Yes X No _____		
Wetland Hydrology Present?	Yes X No _____	If yes, optional Wetland Site ID: W4	

Remarks: (Explain alternative procedures here or in a separate report.)

- W4-1-W4-16 (CLOSED)
- FORMER GOLF COURSE POND

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- X Surface Water (A1)
- X High Water Table (A2)
- X Saturation (A3)
- X Water Marks (B1)
- ___ Sediment Deposits (B2)
- ___ Drift Deposits (B3)
- X Algal Mat or Crust (B4)
- ___ Iron Deposits (B5)
- X Inundation Visible on Aerial Imagery (B7)
- ___ Sparsely Vegetated Concave Surface (B8)
- X Water-Stained Leaves (B9)
- ___ Aquatic Fauna (B13)
- ___ Marl Deposits (B15)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres on Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ___ Surface Soil Cracks (B6)
- ___ Drainage Patterns (B10)
- ___ Moss Trim Lines (B16)
- ___ Dry-Season W ater Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Stunted or Stressed Plants (D1)
- ___ Geomorphic Position (D2)
- ___ Shallow Aquitard (D3)
- ___ Microtopographic Relief (D4)
- ___ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present? Yes X No _____ Depth (inches): 8-24+"

Water Table Present? Yes X No _____ Depth (inches): INUNDATED

Saturation Present? (includes capillary fringe) Yes X No _____ Depth (inches): INUNDATED

Wetland Hydrology Present? Yes X No _____

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1I09d

VEGETATION : Use scientific names of plants. Sampling Point: D9

Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status
1.			
2.			
3.			
4.			
5.			
6.			
7.			
	0 = Total Cover		

Sapling/Shrub Stratum (Plot size: 15')			
1. Salix discolor	10	Y	FACW
2.			
3.			
4.			
5.			
6.			
7.			
	10 = Total Cover		

Herb Stratum (Plot size: 5')			
1. Typha x glauca	30	Y	OBL
2. Phalaris arundinacea	20	Y	FACW
3. Agrostis Stolonifera	10	N	FACW
4.			
5.			
6.			
7.			
8.			
9.			
10.			
11.			
12.			
	60 = Total Cover		

Woody Vine Stratum (Plot size: 30')			
1.			
2.			
3.			
4.			
	0 = Total Cover		

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 3 (A)

Total Number of Dominant Species Across All Strata: 3 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 100 (A/B)

Prevalence Index worksheet:

Total % Cover of:	Multiply by:
OBL species	x 1 =
FACW species	x 2 =
FAC species	x 3 =
FACU species	x 4 =
UPL species	x 5 =
Column Totals: (A)	(B)

Prevalence Index = B/A =

Hydrophytic Vegetation Indicators:

X 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: Golf Course Pond

Hydrophytic Vegetation Present? Yes X No

Remarks: (Include photo numbers here or on a separate sheet.)

Photo # 09 **Direction of Photo** N

- Pond 2

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1I09d

SOIL

Sampling Point: D9

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-20"	7.5YR6/1	90	7.5YR5/6	10	C	M	S.C	

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Dark Surface (S7) (**LRR R, MLRA 149B**)
- ___ Polyvalue Below Surface (S8) (**LRR R, MLRA 149B**)
- ___ Thin Dark Surface (S9) (**LRR R, MLRA 149B**)
- ___ Loamy Mucky Mineral (F1) (**LRR K, L**)
- ___ Loamy Gleyed Matrix (F2)
- X Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ___ 2 cm Muck (A10) (**LRR K, L, MLRA 149B**)
- ___ Coast Prairie Redox (A16) (**LRR K, L, R**)
- ___ 5 cm Mucky Peat or Peat (S3) (**LRR K, L, R**)
- ___ Dark Surface (S7) (**LRR K, L, M**)
- ___ Polyvalue Below Surface (S8) (**LRR K, L**)
- ___ Thin Dark Surface (S9) (**LRR K, L**)
- ___ Iron-Manganese Masses (F12) (**LRR K, L, R**)
- ___ Piedmont Floodplain Soils (F19) (**MLRA 149B**)
- ___ Mesic Spodic (TA6) (**MLRA 144A, 145, 149B**)
- ___ Red Parent Material (TF2)
- ___ Very Shallow Dark Surface (TF12)
- ___ Other (Explain in Remarks)

[3] Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: NONE

Depth (inches): N/A

Hydric Soil Present? Yes X No ____

Remarks:

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1I09d

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: Amherst Central Park Town/County: Amherst/Erie County Sampling Date: 6.5.2023

Applicant/Owner: Town of Amherst State: New York Sampling Point: D10

Investigator(s): Scott Livingstone & Alex Molik Section, Township, Range: 68.01-1-1.2

Landform (hillslope, terrace, etc.): LAKE Plain Local relief (concave, convex, none): CONVEX Slope (%): 3

Subregion (LRR or MLRA) LRRL Lat: 42.98879 °N Long: -78.77199 °W Datum: NAD83

Soil Map Unit Name: ODESSA SILT LOAM, 0-3% SLOPES NW I classification: N/A

Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No _____ (If no, explain in Remarks.)

Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes X No _____

Are Vegetation _____, Soil _____, or Hydrology _____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS : Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes _____	No X	**Is the Sampled Area within a Wetland?** Yes _____ No X
Hydric Soil Present?	Yes _____	No X	
Wetland Hydrology Present?	Yes _____	No X	If yes, optional Wetland Site ID: N/A

Remarks: (Explain alternative procedures here or in a separate report.)

UPLAND SUCCESSIONAL FIELD 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: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1I09d

VEGETATION : Use scientific names of plants. Sampling Point: D10

Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status
1. Populus deltoides	15	Y	FAC
2.			
3.			
4.			
5.			
6.			
7.			
	15 = Total Cover		

Sapling/Shrub Stratum (Plot size: 15')			
1. Fraxinus americana	3	N	FACU
2.			
3.			
4.			
5.			
6.			
7.			
	3 = Total Cover		

Herb Stratum (Plot size: 5')			
1. Poa pratensis	70	Y	FACU
2. Dactylis glomerata	25	Y	FACU
3. Lolium perenne	10	N	FACU
4. Taraxacum officinale	5	N	FACU
5.			
6.			
7.			
8.			
9.			
10.			
11.			
12.			
	110 = Total Cover		

Woody Vine Stratum (Plot size: 30')			
1.			
2.			
3.			
4.			
	6 = Total Cover		

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 1 (A)

Total Number of Dominant Species Across All Strata: 3 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 33 (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1 =	0
FACW species	0	x 2 =	0
FAC species	15	x 3 =	45
FACU species	113	x 4 =	452
UPL species	0	x 5 =	0
Column Totals:	128 (A)		497 (B)

Prevalence Index = B/A = 3.88

Hydrophytic Vegetation Indicators:

__ 1 - Rapid Test for Hydrophytic Vegetation

__ 2 - Dominance Test is >50%

__ 3 - Prevalence Index is < 3.0[1]

__ 4 - Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)

__ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Definitions of Vegetation Strata:

Tree - Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft (1 m) tall.

Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vines - All woody vines greater than 3.28 ft in height.

Community Type: Successional old field

Hydrophytic Vegetation Present? Yes _____ No X

Remarks: (Include photo numbers here or on a separate sheet.)

Photo # P10 **Direction of Photo** SW

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1I09d

SOIL

Sampling Point: D/O

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-9	7.5YR 4/2	100					Sil+	
9-20	7.5YR 5/4	85	7.5YR 5/6	15	C	M	Sic	

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Dark Surface (S7) (**LRR R, MLRA 149B**)
- ___ Polyvalue Below Surface (S8) (**LRR R, MLRA 149B**)
- ___ Thin Dark Surface (S9) (**LRR R, MLRA 149B**)
- ___ Loamy Mucky Mineral (F1) (**LRR K, L**)
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ___ 2 cm Muck (A10) (**LRR K, L, MLRA 149B**)
- ___ Coast Prairie Redox (A16) (**LRR K, L, R**)
- ___ 5 cm Mucky Peat or Peat (S3) (**LRR K, L, R**)
- ___ Dark Surface (S7) (**LRR K, L, M**)
- ___ Polyvalue Below Surface (S8) (**LRR K, L**)
- ___ Thin Dark Surface (S9) (**LRR K, L**)
- ___ Iron-Manganese Masses (F12) (**LRR K, L, R**)
- ___ Piedmont Floodplain Soils (F19) (**MLRA 149B**)
- ___ Mesic Spodic (TA6) (**MLRA 144A, 145, 149B**)
- ___ Red Parent Material (TF2)
- ___ Very Shallow Dark Surface (TF12)
- ___ Other (Explain in Remarks)

[3] Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: NONE

Depth (inches): N/A

Hydric Soil Present? Yes _____ No X

Remarks:

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1l09d

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: Amherst Central Park Town/County: Amherst/Erie County Sampling Date: 6.5.2023

Applicant/Owner: Town of Amherst State: New York Sampling Point: D11

Investigator(s): Scott Livingstone & Alex Molik Section, Township, Range: 68.01-1-1.2

Landform (hillslope, terrace, etc.): Lake Plain Local relief (concave, convex, none): NONE Slope (%): 2

Subregion (LRR or MLRA) LRRL Lat: 42.98914°N Long: -78.77294°W Datum: NAD83

Soil Map Unit Name: ODESSA SILT LOAM, 0-3% Slopes NW I classification: N/A

Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No _____ (If no, explain in Remarks.)

Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes X No _____

Are Vegetation _____, Soil _____, or Hydrology _____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS : Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes _____	No X	**Is the Sampled Area within a Wetland?** Yes _____ No X
Hydric Soil Present?	Yes _____	No X	
Wetland Hydrology Present?	Yes _____	No X	If yes, optional Wetland Site ID: N/A

Remarks: (Explain alternative procedures here or in a separate report.)

UPLAND SUCCESSIONAL FIELD 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 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: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1I09d

VEGETATION : Use scientific names of plants. Sampling Point: D11

Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status
1. Acer rubrum	15	Y	FAC
2. Fraxinus americana	10	Y	FACW
3. Acer saccharinum	5	N	FACW
4. Robinia pseudoacacia	5	N	FACU
5.			
6.			
7.			
	35	= Total Cover	

Sapling/Shrub Stratum (Plot size: 15')			
1.			
2.			
3.			
4.			
5.			
6.			
7.			
	0	= Total Cover	

Herb Stratum (Plot size: 5')			
1. Poa pratensis	70	Y	FACU
2. Dactylis glomerata	20	N	FACU
3. Lolium perenne	15	N	FACU
4.			
5.			
6.			
7.			
8.			
9.			
10.			
11.			
12.			
	105	= Total Cover	

Woody Vine Stratum (Plot size: 30')			
1.			
2.			
3.			
4.			
	0	= Total Cover	

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 1 (A)

Total Number of Dominant Species Across All Strata: 3 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 33 (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:
OBL species	0	x 1 = 0
FACW species	5	x 2 = 10
FAC species	15	x 3 = 45
FACU species	120	x 4 = 480
UPL species	0	x 5 = 0
Column Totals:	140 (A)	535 (B)

Prevalence Index = B/A = 3.82

Hydrophytic Vegetation Indicators:

__ 1 - Rapid Test for Hydrophytic Vegetation

__ 2 - Dominance Test is >50%

__ 3 - Prevalence Index is < 3.0[1]

__ 4 - Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)

__ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Definitions of Vegetation Strata:

Tree - Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft (1 m) tall.

Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vines - All woody vines greater than 3.28 ft in height.

Community Type: Successional old field

Hydrophytic Vegetation Present? Yes _____ No X

Remarks: (Include photo numbers here or on a separate sheet.)

Photo # P11 **Direction of Photo** S

- Tree line within old field

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1I09d

SOIL

Sampling Point: D11

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-8	7.5YR 4/2	100					SiL	
8-20	7.5YR 5/4	90	7.5YR 5/6	10	C	M	SiC	

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Dark Surface (S7) (**LRR R, MLRA 149B**)
- ___ Polyvalue Below Surface (S8) (**LRR R, MLRA 149B**)
- ___ Thin Dark Surface (S9) (**LRR R, MLRA 149B**)
- ___ Loamy Mucky Mineral (F1) (**LRR K, L**)
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ___ 2 cm Muck (A10) (**LRR K, L, MLRA 149B**)
- ___ Coast Prairie Redox (A16) (**LRR K, L, R**)
- ___ 5 cm Mucky Peat or Peat (S3) (**LRR K, L, R**)
- ___ Dark Surface (S7) (**LRR K, L, M**)
- ___ Polyvalue Below Surface (S8) (**LRR K, L**)
- ___ Thin Dark Surface (S9) (**LRR K, L**)
- ___ Iron-Manganese Masses (F12) (**LRR K, L, R**)
- ___ Piedmont Floodplain Soils (F19) (**MLRA 149B**)
- ___ Mesic Spodic (TA6) (**MLRA 144A, 145, 149B**)
- ___ Red Parent Material (TF2)
- ___ Very Shallow Dark Surface (TF12)
- ___ Other (Explain in Remarks)

[3] Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: NONE

Depth (inches): N/A

Hydric Soil Present? Yes _____ No X

Remarks:

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1I09d

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: Amherst Central Park Town/County: Amherst/Erie County Sampling Date: 6-5-2023

Applicant/Owner: Town of Amherst State: New York Sampling Point: D12

Investigator(s): Scott Livingstone & Alex Molik Section, Township, Range: 68.01-1-1.2

Landform (hillslope, terrace, etc.): LAKE Plain Local relief (concave, convex, none): NONE Slope (%): 2

Subregion (LRR or MLRA) LRRL Lat: 42.98795°N Long: -78.77260°W Datum: NAD83

Soil Map Unit Name: ODESSA SILT LOAM, 0-3% SLOPES 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 SUCCESSIONAL FIELD WITH ROW OF ARBORVITAE

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: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1I09d

VEGETATION : Use scientific names of plants. Sampling Point: D12

Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status
1. Robinia pseudoacacia	25	Y	FACU
2. Acer saccharinum	15	Y	FACW
3.			
4.			
5.			
6.			
7.			
	40	= Total Cover	

Sapling/Shrub Stratum (Plot size: 15')			
1. Thuja occidentalis	50	Y	FACW
2.			
3.			
4.			
5.			
6.			
7.			
	50	= Total Cover	

Herb Stratum (Plot size: 5')			
1. Poa pratensis	70	Y	FACU
2. Lolium perenne	30	Y	FACU
3. Dactylis glomerata	15	N	FACU
4. Centaurea stoebe	5	N	NI
5. Dipsacus fullonum	5	N	FACU
6.			
7.			
8.			
9.			
10.			
11.			
12.			
	125	= Total Cover	

Woody Vine Stratum (Plot size: 30')			
1.			
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: 5 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 40 (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1 =	0
FACW species	45	x 2 =	90
FAC species	0	x 3 =	0
FACU species	145	x 4 =	580
UPL species	0	x 5 =	0
Column Totals:	190 (A)		670 (B)

Prevalence Index = B/A = 3.53

Hydrophytic Vegetation Indicators:

___ 1 - Rapid Test for Hydrophytic Vegetation

___ 2 - Dominance Test is >50%

___ 3 - Prevalence Index is < 3.0[1]

___ 4 - Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)

___ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Definitions of Vegetation Strata:

Tree - Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft (1 m) tall.

Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vines - All woody vines greater than 3.28 ft in height.

Community Type: Successional old field

Hydrophytic Vegetation Present? Yes ___ No X

Remarks: (Include photo numbers here or on a separate sheet.)

Photo # P12 Direction of Photo E

- Tree line within old field

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1I09d

SOIL

Sampling Point: D12

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-11	10YR5/3	100					SiL	
11-20	10YR5/4	100					L	

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Dark Surface (S7) (**LRR R, MLRA 149B**)
- ___ Polyvalue Below Surface (S8) (**LRR R, MLRA 149B**)
- ___ Thin Dark Surface (S9) (**LRR R, MLRA 149B**)
- ___ Loamy Mucky Mineral (F1) (**LRR K, L**)
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ___ 2 cm Muck (A10) (**LRR K, L, MLRA 149B**)
- ___ Coast Prairie Redox (A16) (**LRR K, L, R**)
- ___ 5 cm Mucky Peat or Peat (S3) (**LRR K, L, R**)
- ___ Dark Surface (S7) (**LRR K, L, M**)
- ___ Polyvalue Below Surface (S8) (**LRR K, L**)
- ___ Thin Dark Surface (S9) (**LRR K, L**)
- ___ Iron-Manganese Masses (F12) (**LRR K, L, R**)
- ___ Piedmont Floodplain Soils (F19) (**MLRA 149B**)
- ___ Mesic Spodic (TA6) (**MLRA 144A, 145, 149B**)
- ___ Red Parent Material (TF2)
- ___ Very Shallow Dark Surface (TF12)
- ___ Other (Explain in Remarks)

[3] Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: NONE

Depth (inches): N/A

Hydric Soil Present? Yes _____ No X

Remarks:

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1I09d

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: Amherst Central Park Town/County: Amherst/Erie County Sampling Date: 6.5.2023

Applicant/Owner: Town of Amherst State: New York Sampling Point: D13

Investigator(s): Scott Livingstone & Alex Molik Section, Township, Range: 68.01-1-1.2

Landform (hillslope, terrace, etc.): Depression Local relief (concave, convex, none): CONCAVE Slope (%): 0

Subregion (LRR or MLRA) LRRL Lat: 42.98800°N Long: -78.77398 Datum: NAD83

Soil Map Unit Name: SCHOHARIE SILT LOAM, 3-8% SLOPES NWI classification: PFO

Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No ____ (If no, explain in Remarks.)

Are Vegetation ____, Soil ____, or Hydrology ____ significantly disturbed? Are "Normal Circumstances" present? Yes X No ____

Are Vegetation ____, Soil ____, or Hydrology ____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS : Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes X	No ____	**Is the Sampled Area within a Wetland?** Yes X No ____
Hydric Soil Present?	Yes X	No ____	
Wetland Hydrology Present?	Yes X	No ____	If yes, optional Wetland Site ID: W5

Remarks: (Explain alternative procedures here or in a separate report.)

W5-1 → W5-37 (CLOSED)

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ___ Surface Water (A1)
- ___ High Water Table (A2)
- ___ Saturation (A3)
- ___ Water Marks (B1)
- ___ Sediment Deposits (B2)
- ___ Drift Deposits (B3)
- ___ Algal Mat or Crust (B4)
- ___ Iron Deposits (B5)
- ___ Inundation Visible on Aerial Imagery (B7)
- ___ Sparsely Vegetated Concave Surface (B8)
- X Water-Stained Leaves (B9)
- ___ Aquatic Fauna (B13)
- ___ Marl Deposits (B15)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres on Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ___ Surface Soil Cracks (B6)
- ___ Drainage Patterns (B10)
- ___ Moss Trim Lines (B16)
- ___ Dry-Season Water Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Stunted or Stressed Plants (D1)
- ___ Geomorphic Position (D2)
- ___ Shallow Aquitard (D3)
- ___ Microtopographic Relief (D4)
- ___ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present?	Yes ____	No X	Depth (inches): N/A
Water Table Present?	Yes ____	No X	Depth (inches): N/A
Saturation Present? (includes capillary fringe)	Yes ____	No X	Depth (inches): N/A

Wetland Hydrology Present? Yes X No ____

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1I09d

VEGETATION : Use scientific names of plants. Sampling Point: D13

Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status
1. Quercus bicolor	35	Y	FACW
2. Quercus palustris	25	Y	FACW
3. Acer Saccharinum	25	Y	FACW
4. Fraxinus pennsylvanica	5	N	FACW
5.			
6.			
7.			
	90	= Total Cover	

Sapling/Shrub Stratum (Plot size: 15')			
1. Fraxinus pennsylvanica	20	Y	FACW
2.			
3.			
4.			
5.			
6.			
7.			
	20	= Total Cover	

Herb Stratum (Plot size: 5')			
1. Glyceria striata	20	Y	OBL
2. Toxicodendron radicans	15	Y	FAC
3. Fraxinus pennsylvanica	10	N	FACW
4. Solidago gigantea	10	N	FACW
5.			
6.			
7.			
8.			
9.			
10.			
11.			
12.			
	55	= Total Cover	

Woody Vine Stratum (Plot size: 30')			
1.			
2.			
3.			
4.			
	0	= Total Cover	

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 6 (A)

Total Number of Dominant Species Across All Strata: 6 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 100 (A/B)

Prevalence Index worksheet:

Total % Cover of:	Multiply by:
OBL species	x 1 =
FACW species	x 2 =
FAC species	x 3 =
FACU species	x 4 =
UPL species	x 5 =
Column Totals: (A)	(B)

Prevalence Index = B/A =

Hydrophytic Vegetation Indicators:

- ___ 1 - Rapid Test for Hydrophytic Vegetation
- X 2 - Dominance Test is >50%
- ___ 3 - Prevalence Index is < 3.0[1]
- ___ 4 - Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)
- ___ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Definitions of Vegetation Strata:

Tree - Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft (1 m) tall.

Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vines - All woody vines greater than 3.28 ft in height.

Community Type: Hardwood Swamp

Hydrophytic Vegetation Present? Yes X No ___

Remarks: (Include photo numbers here or on a separate sheet.)

Photo # P13 **Direction of Photo** S

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1I09d

SOIL

Sampling Point: D13

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-5	10YR3/1	97	10YR5/8	3	C	M	S.L-	
5-20	10YR6/1	97	10YR5/8	3	C	M	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)
- X Depleted Matrix (F3)
- X Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ___ 2 cm Muck (A10) (**LRR K, L, MLRA 149B**)
- ___ Coast Prairie Redox (A16) (**LRR K, L, R**)
- ___ 5 cm Mucky Peat or Peat (S3) (**LRR K, L, R**)
- ___ Dark Surface (S7) (**LRR K, L, M**)
- ___ Polyvalue Below Surface (S8) (**LRR K, L**)
- ___ Thin Dark Surface (S9) (**LRR K, L**)
- ___ Iron-Manganese Masses (F12) (**LRR K, L, R**)
- ___ Piedmont Floodplain Soils (F19) (**MLRA 149B**)
- ___ Mesic Spodic (TA6) (**MLRA 144A, 145, 149B**)
- ___ Red Parent Material (TF2)
- ___ Very Shallow Dark Surface (TF12)
- ___ Other (Explain in Remarks)

[3] Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: NONE

Depth (inches): N/A

Hydric Soil Present? Yes X No ___

Remarks:

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1I09d

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: Amherst Central Park Town/County: Amherst/Erie County Sampling Date: 6-5-2023

Applicant/Owner: Town of Amherst State: New York Sampling Point: D14

Investigator(s): Scott Livingstone & Alex Molik Section, Township, Range: 68.01-1-1.2

Landform (hillslope, terrace, etc.): Hillslope Local relief (concave, convex, none): CONVEX Slope (%): 15

Subregion (LRR or MLRA) LRR L Lat: 42.98814°N Long: -78.77398°W Datum: NAD83

Soil Map Unit Name: SCHOHARIE SILT LOAM, 3-8% SLOPES NWI classification: N/A

Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No ____ (If no, explain in Remarks.)

Are Vegetation ____, Soil ____, or Hydrology ____ significantly disturbed? Are "Normal Circumstances" present? Yes X No ____

Are Vegetation ____, Soil ____, or Hydrology ____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS : Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes ____	No X	**Is the Sampled Area within a Wetland?** Yes ____ No X
Hydric Soil Present?	Yes ____	No X	
Wetland Hydrology Present?	Yes ____	No X	If yes, optional Wetland Site ID: N/A

Remarks: (Explain alternative procedures here or in a separate report.)

UPLAND WOODS

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ___ Surface Water (A1)
- ___ High Water Table (A2)
- ___ Saturation (A3)
- ___ Water Marks (B1)
- ___ Sediment Deposits (B2)
- ___ Drift Deposits (B3)
- ___ Algal Mat or Crust (B4)
- ___ Iron Deposits (B5)
- ___ Inundation Visible on Aerial Imagery (B7)
- ___ Sparsely Vegetated Concave Surface (B8)
- ___ Water-Stained Leaves (B9)
- ___ Aquatic Fauna (B13)
- ___ Marl Deposits (B15)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres on Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ___ Surface Soil Cracks (B6)
- ___ Drainage Patterns (B10)
- ___ Moss Trim Lines (B16)
- ___ Dry-Season 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: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1I09d

VEGETATION : Use scientific names of plants.

Sampling Point: D14

Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status
1. Quercus alba	20	Y	FACU
2. Fraxinus americana	20	Y	FACW
3. Quercus bicolor	10	N	FACW
4. Quercus palustris	5	N	FACW
5.			
6.			
7.			
	55	= Total Cover	

Sapling/Shrub Stratum (Plot size: 15')			
1. Rhamnus cathartica	30	Y	FAC
2. Fraxinus americana	5	N	FACU
3.			
4.			
5.			
6.			
7.			
	35	= Total Cover	

Herb Stratum (Plot size: 5')			
1. Rhamnus Cathartica	10	Y	FAC
2. Toxicodendron radicans	10	Y	FAC
3.			
4.			
5.			
6.			
7.			
8.			
9.			
10.			
11.			
12.			
	20	= Total Cover	

Woody Vine Stratum (Plot size: 30')			
1.			
2.			
3.			
4.			
	0	= Total Cover	

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 3 (A)

Total Number of Dominant Species Across All Strata: 5 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 60 (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1 =	0
FACW species	15	x 2 =	30
FAC species	50	x 3 =	150
FACU species	45	x 4 =	180
UPL species	0	x 5 =	0
Column Totals:	110 (A)		360 (B)

Prevalence Index = B/A = 3.27

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 # P14 **Direction of Photo** NE

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1109d

SOIL

Sampling Point: D14

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-7	10YR4/4	100					L	
7-20	10YR5/4	100					L	

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Dark Surface (S7) (**LRR R, MLRA 149B**)
- ___ Polyvalue Below Surface (S8) (**LRR R, MLRA 149B**)
- ___ Thin Dark Surface (S9) (**LRR R, MLRA 149B**)
- ___ Loamy Mucky Mineral (F1) (**LRR K, L**)
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ___ 2 cm Muck (A10) (**LRR K, L, MLRA 149B**)
- ___ Coast Prairie Redox (A16) (**LRR K, L, R**)
- ___ 5 cm Mucky Peat or Peat (S3) (**LRR K, L, R**)
- ___ Dark Surface (S7) (**LRR K, L, M**)
- ___ Polyvalue Below Surface (S8) (**LRR K, L**)
- ___ Thin Dark Surface (S9) (**LRR K, L**)
- ___ Iron-Manganese Masses (F12) (**LRR K, L, R**)
- ___ Piedmont Floodplain Soils (F19) (**MLRA 149B**)
- ___ Mesic Spodic (TA6) (**MLRA 144A, 145, 149B**)
- ___ Red Parent Material (TF2)
- ___ Very Shallow Dark Surface (TF12)
- ___ Other (Explain in Remarks)

[3] Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: NONE

Depth (inches): N/A

Hydric Soil Present? Yes _____ No X

Remarks:

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1I09d

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: Amherst Central Park Town/County: Amherst/Erie County Sampling Date: 6.5.2023

Applicant/Owner: Town of Amherst State: New York Sampling Point: D15

Investigator(s): Scott Livingstone & Alex Molik Section, Township, Range: 68.01-1-1.2

Landform (hillslope, terrace, etc.): Depression Local relief (concave, convex, none): CONCAVE Slope (%): 0

Subregion (LRR or MLRA) LRRL Lat: 42.98793°N Long: -78.77508°W Datum: NAD83

Soil Map Unit Name: SCHOHARIE SILT LOAM, 3-8% slopes NWI classification: PFO

Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No ____ (If no, explain in Remarks.)

Are Vegetation ____, Soil ____, or Hydrology ____ significantly disturbed? Are "Normal Circumstances" present? Yes X No ____

Are Vegetation ____, Soil ____, or Hydrology ____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS : Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes X	No ____	**Is the Sampled Area within a Wetland?** Yes X No ____
Hydric Soil Present?	Yes X	No ____	
Wetland Hydrology Present?	Yes X	No ____	If yes, optional Wetland Site ID: W5

Remarks: (Explain alternative procedures here or in a separate report.)

• W5-1 → W5-37 (CLOSED)

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ___ Surface Water (A1)
- ___ High Water Table (A2)
- ___ Saturation (A3)
- ___ Water Marks (B1)
- ___ Sediment Deposits (B2)
- ___ Drift Deposits (B3)
- ___ Algal Mat or Crust (B4)
- ___ Iron Deposits (B5)
- ___ Inundation Visible on Aerial Imagery (B7)
- ___ Sparsely Vegetated Concave Surface (B8)
- X Water-Stained Leaves (B9)
- ___ Aquatic Fauna (B13)
- ___ Marl Deposits (B15)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres on Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ___ Surface Soil Cracks (B6)
- ___ Drainage Patterns (B10)
- ___ Moss Trim Lines (B16)
- ___ Dry-Season Water Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Stunted or Stressed Plants (D1)
- ___ Geomorphic Position (D2)
- ___ Shallow Aquitard (D3)
- ___ Microtopographic Relief (D4)
- ___ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present?	Yes ____	No X	Depth (inches): N/A
Water Table Present?	Yes ____	No X	Depth (inches): N/A
Saturation Present? (includes capillary fringe)	Yes ____	No X	Depth (inches): N/A

Wetland Hydrology Present? Yes X No ____

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1l09d

VEGETATION : Use scientific names of plants.

Sampling Point: D15

Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status
1. Quercus Palustris	40	Y	FACW
2. Acer Saccharinum	15	Y	FACW
3. Quercus bicolor	10	N	FACW
4.			
5.			
6.			
7.			
	65	= Total Cover	

Sapling/Shrub Stratum (Plot size: 15')			
1.			
2.			
3.			
4.			
5.			
6.			
7.			
	0	= Total Cover	

Herb Stratum (Plot size: 5')			
1. Poa pratensis	40	Y	FACU
2. Centaurea Stoebe	10	N	NI
3. Carex Vulpinoidea	10	N	OBL
4. Taraxacum officinale	5	N	FACU
5.			
6.			
7.			
8.			
9.			
10.			
11.			
12.			
	65	= Total Cover	

Woody Vine Stratum (Plot size: 30')			
1.			
2.			
3.			
4.			
	0	= Total Cover	

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 2 (A)

Total Number of Dominant Species Across All Strata: 3 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 66.7 (A/B)

Prevalence Index worksheet:

Total % Cover of:	Multiply by:
OBL species	x 1 =
FACW species	x 2 =
FAC species	x 3 =
FACU species	x 4 =
UPL species	x 5 =
Column Totals: (A)	(B)

Prevalence Index = B/A =

Hydrophytic Vegetation Indicators:

- ___ 1 - Rapid Test for Hydrophytic Vegetation
- X 2 - Dominance Test is >50%
- ___ 3 - Prevalence Index is < 3.0[1]
- ___ 4 - Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)
- ___ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Definitions of Vegetation Strata:

Tree - Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft (1 m) tall.

Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vines - All woody vines greater than 3.28 ft in height.

Community Type: Hardwood Swamp

Hydrophytic Vegetation Present? Yes X No ___

Remarks: (Include photo numbers here or on a separate sheet.)

Photo # P15 **Direction of Photo** E

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1I09d

SOIL

Sampling Point: 015

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-9	7.5YR3/1	98	7.5YR5/8	2	C	PL	SiL	
9-20	7.5YR4/1	95	7.5YR5/8	5	C	M	SiCl	

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Dark Surface (S7) (**LRR R, MLRA 149B**)
- ___ Polyvalue Below Surface (S8) (**LRR R, MLRA 149B**)
- ___ Thin Dark Surface (S9) (**LRR R, MLRA 149B**)
- ___ Loamy Mucky Mineral (F1) (**LRR K, L**)
- ___ Loamy Gleyed Matrix (F2)
- X Depleted Matrix (F3)
- X Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ___ 2 cm Muck (A10) (**LRR K, L, MLRA 149B**)
- ___ Coast Prairie Redox (A16) (**LRR K, L, R**)
- ___ 5 cm Mucky Peat or Peat (S3) (**LRR K, L, R**)
- ___ Dark Surface (S7) (**LRR K, L, M**)
- ___ Polyvalue Below Surface (S8) (**LRR K, L**)
- ___ Thin Dark Surface (S9) (**LRR K, L**)
- ___ Iron-Manganese Masses (F12) (**LRR K, L, R**)
- ___ Piedmont Floodplain Soils (F19) (**MLRA 149B**)
- ___ Mesic Spodic (TA6) (**MLRA 144A, 145, 149B**)
- ___ Red Parent Material (TF2)
- ___ Very Shallow Dark Surface (TF12)
- ___ Other (Explain in Remarks)

[3] Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: NONE

Depth (inches): N/A

Hydric Soil Present? Yes X No ___

Remarks:

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1I09d

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: Amherst Central Park Town/County: Amherst/Erie County Sampling Date: 6.5.2023

Applicant/Owner: Town of Amherst State: New York Sampling Point: D16

Investigator(s): Scott Livingstone & Alex Molik Section, Township, Range: 68.01-1-1.2

Landform (hillslope, terrace, etc.): LAKE PLAIN Local relief (concave, convex, none): NONE Slope (%): 2

Subregion (LRR or MLRA) LRRL Lat: 42.98796°N Long: -78.77529°W Datum: NAD83

Soil Map Unit Name: SCHOHARIE SILT LOAM, 3-8% Slopes 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 SUCCESSIONAL FIELD

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ___ Surface Water (A1)
- ___ High Water Table (A2)
- ___ Saturation (A3)
- ___ Water Marks (B1)
- ___ Sediment Deposits (B2)
- ___ Drift Deposits (B3)
- ___ Algal Mat or Crust (B4)
- ___ Iron Deposits (B5)
- ___ Inundation Visible on Aerial Imagery (B7)
- ___ Sparsely Vegetated Concave Surface (B8)
- ___ Water-Stained Leaves (B9)
- ___ Aquatic Fauna (B13)
- ___ Marl Deposits (B15)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres on Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ___ Surface Soil Cracks (B6)
- ___ Drainage Patterns (B10)
- ___ Moss Trim Lines (B16)
- ___ Dry-Season 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: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1I09d

VEGETATION : Use scientific names of plants.

Sampling Point: D16

Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status
1.			
2.			
3.			
4.			
5.			
6.			
7.			
	0 = Total Cover		

Sapling/Shrub Stratum (Plot size: 15')			
1.			
2.			
3.			
4.			
5.			
6.			
7.			
	0 = Total Cover		

Herb Stratum (Plot size: 5')			
1. Poa pratensis	75	Y	FACU
2. Dactylis glomerata	25	Y	FACU
3. Lolium perenne	10	N	FACU
4. Centaurea stoebe	10	N	NI
5. Taraxacum officinale	5	N	FACU
6.			
7.			
8.			
9.			
10.			
11.			
12.			
	125 = Total Cover		

Woody Vine Stratum (Plot size: 30')			
1.			
2.			
3.			
4.			
	0 = Total Cover		

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 0 (A)

Total Number of Dominant Species Across All Strata: 2 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 0 (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1 =	0
FACW species	0	x 2 =	0
FAC species	0	x 3 =	0
FACU species	115	x 4 =	460
UPL species	0	x 5 =	0
Column Totals:	115 (A)		460 (B)

Prevalence Index = B/A = 4.0

Hydrophytic Vegetation Indicators:

___ 1 - Rapid Test for Hydrophytic Vegetation

___ 2 - Dominance Test is >50%

___ 3 - Prevalence Index is < 3.0[1]

___ 4 - Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)

___ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Definitions of Vegetation Strata:

Tree - Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft (1 m) tall.

Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vines - All woody vines greater than 3.28 ft in height.

Community Type: Successional old field

Hydrophytic Vegetation Present? Yes ____ No 0

Remarks: (Include photo numbers here or on a separate sheet.)

Photo # P16 **Direction of Photo** S

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1109d

SOIL

Sampling Point: D16

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-9	10YR4/2	100					SiL	
9-20	10YR5/4	70	10YR5/6	20	C	M	SiC	
			10YR5/1	10	D	M		

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Dark Surface (S7) (**LRR R, MLRA 149B**)
- ___ Polyvalue Below Surface (S8) (**LRR R, MLRA 149B**)
- ___ Thin Dark Surface (S9) (**LRR R, MLRA 149B**)
- ___ Loamy Mucky Mineral (F1) (**LRR K, L**)
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ___ 2 cm Muck (A10) (**LRR K, L, MLRA 149B**)
- ___ Coast Prairie Redox (A16) (**LRR K, L, R**)
- ___ 5 cm Mucky Peat or Peat (S3) (**LRR K, L, R**)
- ___ Dark Surface (S7) (**LRR K, L, M**)
- ___ Polyvalue Below Surface (S8) (**LRR K, L**)
- ___ Thin Dark Surface (S9) (**LRR K, L**)
- ___ Iron-Manganese Masses (F12) (**LRR K, L, R**)
- ___ Piedmont Floodplain Soils (F19) (**MLRA 149B**)
- ___ Mesic Spodic (TA6) (**MLRA 144A, 145, 149B**)
- ___ Red Parent Material (TF2)
- ___ Very Shallow Dark Surface (TF12)
- ___ Other (Explain in Remarks)

[3] Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: NONE

Depth (inches): N/A

Hydric Soil Present? Yes _____ No X

Remarks:

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1I09d

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: Amherst Central Park Town/County: Amherst/Erie County Sampling Date: 6-5-2023

Applicant/Owner: Town of Amherst State: New York Sampling Point: D17

Investigator(s): Scott Livingstone & Alex Molik Section, Township, Range: 68.01-1-1.2

Landform (hillslope, terrace, etc.): POND Local relief (concave, convex, none): CONCAVE Slope (%): 0

Subregion (LRR or MLRA) LRRL Lat: 42.986970°N Long: -78.77501°W Datum: NAD83

Soil Map Unit Name: SCHOHARIE SILT LOAM, 3-8% SLOPES NWI classification: POW

Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No ____ (If no, explain in Remarks.)

Are Vegetation ____, Soil ____, or Hydrology ____ significantly disturbed? Are "Normal Circumstances" present? Yes X No ____

Are Vegetation ____, Soil ____, or Hydrology ____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS : Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes X No ____	**Is the Sampled Area within a Wetland?**	Yes X No ____
Hydric Soil Present?	Yes X No ____	If yes, optional Wetland Site ID:	W6
Wetland Hydrology Present?	Yes X No ____		

Remarks: (Explain alternative procedures here or in a separate report.)

- W6-1-W6-17 (CLOSED)
- FORMER GOLF COURSE POND

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- X Surface Water (A1)
- X High Water Table (A2)
- X Saturation (A3)
- X Water Marks (B1)
- ___ Sediment Deposits (B2)
- ___ Drift Deposits (B3)
- ___ Algal Mat or Crust (B4)
- ___ Iron Deposits (B5)
- X Inundation Visible on Aerial Imagery (B7)
- ___ Sparsely Vegetated Concave Surface (B8)
- X Water-Stained Leaves (B9)
- ___ Aquatic Fauna (B13)
- ___ Marl Deposits (B15)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres on Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ___ Surface Soil Cracks (B6)
- ___ Drainage Patterns (B10)
- ___ Moss Trim Lines (B16)
- ___ Dry-Season Water Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Stunted or Stressed Plants (D1)
- ___ Geomorphic Position (D2)
- ___ Shallow Aquitard (D3)
- ___ Microtopographic Relief (D4)
- ___ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present?	Yes X	No ____	Depth (inches): 6-24"
Water Table Present?	Yes X	No ____	Depth (inches): INUNDATED
Saturation Present? (includes capillary fringe)	Yes X	No ____	Depth (inches): INUNDATED

Wetland Hydrology Present? Yes X No ____

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1l09d

VEGETATION : Use scientific names of plants.

Sampling Point: D17

Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status
1.			
2.			
3.			
4.			
5.			
6.			
7.			
	0 = Total Cover		

Sapling/Shrub Stratum (Plot size: 15')			
1.			
2.			
3.			
4.			
5.			
6.			
7.			
	0 = Total Cover		

Herb Stratum (Plot size: 5')			
1. Schoenoplectus tabernaemontani	30	Y	OBL
2. Agrostis Stolonifera	20	Y	FACW
3. Carex Vulpinoidea	15	N	OBL
4. Phalaris arundinacea	15	N	FACW
5.			
6.			
7.			
8.			
9.			
10.			
11.			
12.			
	80 = Total Cover		

Woody Vine Stratum (Plot size: 30')			
1.			
2.			
3.			
4.			
	0 = Total Cover		

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 2 (A)

Total Number of Dominant Species Across All Strata: 2 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 100 (A/B)

Prevalence Index worksheet:

Total % Cover of:	Multiply by:
OBL species	x 1 =
FACW species	x 2 =
FAC species	x 3 =
FACU species	x 4 =
UPL species	x 5 =
Column Totals: (A)	(B)

Prevalence Index = B/A =

Hydrophytic Vegetation Indicators:

- X 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: Golf Course Pond

Hydrophytic Vegetation Present? Yes X No ___

Remarks: (Include photo numbers here or on a separate sheet.)

Photo # P17 **Direction of Photo** SE

Pond 3

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1I09d

SOIL

Sampling Point: D17

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-9	7.5YR5/1	93	7.5YR5/6	7	C	M	SiC	
9-20	7.5YR5/4	85	7.5YR5/6	15	C	M	SiC	

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Dark Surface (S7) (**LRR R, MLRA 149B**)
- ___ Polyvalue Below Surface (S8) (**LRR R, MLRA 149B**)
- ___ Thin Dark Surface (S9) (**LRR R, MLRA 149B**)
- ___ Loamy Mucky Mineral (F1) (**LRR K, L**)
- X Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ___ 2 cm Muck (A10) (**LRR K, L, MLRA 149B**)
- ___ Coast Prairie Redox (A16) (**LRR K, L, R**)
- ___ 5 cm Mucky Peat or Peat (S3) (**LRR K, L, R**)
- ___ Dark Surface (S7) (**LRR K, L, M**)
- ___ Polyvalue Below Surface (S8) (**LRR K, L**)
- ___ Thin Dark Surface (S9) (**LRR K, L**)
- ___ Iron-Manganese Masses (F12) (**LRR K, L, R**)
- ___ Piedmont Floodplain Soils (F19) (**MLRA 149B**)
- ___ Mesic Spodic (TA6) (**MLRA 144A, 145, 149B**)
- ___ Red Parent Material (TF2)
- ___ Very Shallow Dark Surface (TF12)
- ___ Other (Explain in Remarks)

[3] Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: NONE

Depth (inches): N/A

Hydric Soil Present? Yes X No ____

Remarks:

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1I09d

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: Amherst Central Park Town/County: Amherst/Erie County Sampling Date: 6.5.2023

Applicant/Owner: Town of Amherst State: New York Sampling Point: D18

Investigator(s): Scott Livingstone & Alex Molik Section, Township, Range: 68.01-1-1.2

Landform (hillslope, terrace, etc.): LAKE Plain Local relief (concave, convex, none): NONE Slope (%): 2

Subregion (LRR or MLRA) LRRL Lat: 42.98687°N Long: -78.77508°W Datum: NAD83

Soil Map Unit Name: ODESSA SILT LOAM, 0-3% Slopes 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 SUCCESSIONAL FIELD

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ___ Surface Water (A1)
- ___ High Water Table (A2)
- ___ Saturation (A3)
- ___ Water Marks (B1)
- ___ Sediment Deposits (B2)
- ___ Drift Deposits (B3)
- ___ Algal Mat or Crust (B4)
- ___ Iron Deposits (B5)
- ___ Inundation Visible on Aerial Imagery (B7)
- ___ Sparsely Vegetated Concave Surface (B8)
- ___ Water-Stained Leaves (B9)
- ___ Aquatic Fauna (B13)
- ___ Marl Deposits (B15)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres on Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ___ Surface Soil Cracks (B6)
- ___ Drainage Patterns (B10)
- ___ Moss Trim Lines (B16)
- ___ Dry-Season 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: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1l09d

VEGETATION : Use scientific names of plants. Sampling Point: D18

Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status
1.			
2.			
3.			
4.			
5.			
6.			
7.			
	0 = Total Cover		

Sapling/Shrub Stratum (Plot size: 15')			
1.			
2.			
3.			
4.			
5.			
6.			
7.			
	0 = Total Cover		

Herb Stratum (Plot size: 5')			
1. Poa pratensis	75	Y	FACU
2. Lolium perenne	15	N	FACU
3. Daucus carota	15	N	FACU
4. Dipsacus fullonum	10	N	FACW
5. Centaurea stoebe	5	N	NL
6. Lotus corniculatus	5	N	FACU
7.			
8.			
9.			
10.			
11.			
12.			
	125 = Total Cover		

Woody Vine Stratum (Plot size: 30')			
1.			
2.			
3.			
4.			
	0 = Total Cover		

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 0 (A)

Total Number of Dominant Species Across All Strata: 1 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 0 (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1 =	0
FACW species	0	x 2 =	0
FAC species	0	x 3 =	0
FACU species	120	x 4 =	480
UPL species	0	x 5 =	0
Column Totals:	120 (A)		480 (B)

Prevalence Index = B/A = 4.0

Hydrophytic Vegetation Indicators:

___ 1 - Rapid Test for Hydrophytic Vegetation

___ 2 - Dominance Test is >50%

___ 3 - Prevalence Index is < 3.0[1]

___ 4 - Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)

___ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Definitions of Vegetation Strata:

Tree - Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft (1 m) tall.

Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vines - All woody vines greater than 3.28 ft in height.

Community Type: Successional old field

Hydrophytic Vegetation Present? Yes ___ No X

Remarks: (Include photo numbers here or on a separate sheet.)

Photo # P18 **Direction of Photo** SW

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1I09d

SOIL

Sampling Point: D18

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-20	10YR 4/2	100					L	

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Dark Surface (S7) (**LRR R, MLRA 149B**)
- ___ Polyvalue Below Surface (S8) (**LRR R, MLRA 149B**)
- ___ Thin Dark Surface (S9) (**LRR R, MLRA 149B**)
- ___ Loamy Mucky Mineral (F1) (**LRR K, L**)
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ___ 2 cm Muck (A10) (**LRR K, L, MLRA 149B**)
- ___ Coast Prairie Redox (A16) (**LRR K, L, R**)
- ___ 5 cm Mucky Peat or Peat (S3) (**LRR K, L, R**)
- ___ Dark Surface (S7) (**LRR K, L, M**)
- ___ Polyvalue Below Surface (S8) (**LRR K, L**)
- ___ Thin Dark Surface (S9) (**LRR K, L**)
- ___ Iron-Manganese Masses (F12) (**LRR K, L, R**)
- ___ Piedmont Floodplain Soils (F19) (**MLRA 149B**)
- ___ Mesic Spodic (TA6) (**MLRA 144A, 145, 149B**)
- ___ Red Parent Material (TF2)
- ___ Very Shallow Dark Surface (TF12)
- ___ Other (Explain in Remarks)

[3] Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: NONE

Depth (inches): N/A

Hydric Soil Present? Yes _____ No X

Remarks:

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1l09d

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: Amherst Central Park Town/County: Amherst/Erie County Sampling Date: 6.5.2023

Applicant/Owner: Town of Amherst State: New York Sampling Point: D19

Investigator(s): Scott Livingstone & Alex Molik Section, Township, Range: 68.01-1-1.2

Landform (hillslope, terrace, etc.): LAKE Plain Local relief (concave, convex, none): CONVEX Slope (%): 3

Subregion (LRR or MLRA) LRRL Lat: 42.98625°N Long: -78.77392°N Datum: NAD83

Soil Map Unit Name: ODESSA SILT LOAM, 0-3% Slopes NW I classification: N/A

Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No _____ (If no, explain in Remarks.)

Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes X No _____

Are Vegetation _____, Soil _____, or Hydrology _____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS : Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes _____	No X	**Is the Sampled Area within a Wetland?** Yes _____ No X
Hydric Soil Present?	Yes _____	No X	
Wetland Hydrology Present?	Yes _____	No X	If yes, optional Wetland Site ID: N/A

Remarks: (Explain alternative procedures here or in a separate report.)

UPLAND SUCCESSIONAL FIELD 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 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: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1l09d

VEGETATION : Use scientific names of plants.

Sampling Point: D19

Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status
1. Picea glauca	20	Y	FACU
2. Robinia pseudoacacia	15	Y	FACU
3.			
4.			
5.			
6.			
7.			
	35	= Total Cover	

Sapling/Shrub Stratum (Plot size: 15')			
1.			
2.			
3.			
4.			
5.			
6.			
7.			
	0	= Total Cover	

Herb Stratum (Plot size: 5')			
1. Poa pratensis	80	Y	FACU
2. Dactylis glomerata	25	Y	FACU
3. Lolium perenne	10	N	FACU
4.			
5.			
6.			
7.			
8.			
9.			
10.			
11.			
12.			
	115	= Total Cover	

Woody Vine Stratum (Plot size: 30')			
1.			
2.			
3.			
4.			
	0	= Total Cover	

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW , or FAC: 0 (A)

Total Number of Dominant Species Across All Strata: 4 (B)

Percent of Dominant Species That Are OBL, FACW , or FAC: 0 (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1 =	0
FACW species	0	x 2 =	0
FAC species	0	x 3 =	0
FACU species	150	x 4 =	600
UPL species	0	x 5 =	0
Column Totals:	150 (A)		600 (B)

Prevalence Index = B/A = 4.0

Hydrophytic Vegetation Indicators:

__ 1 - Rapid Test for Hydrophytic Vegetation

__ 2 - Dominance Test is >50%

__ 3 - Prevalence Index is < 3.0[1]

__ 4 - Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)

__ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Definitions of Vegetation Strata:

Tree - Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft (1 m) tall.

Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vines - All woody vines greater than 3.28 ft in height.

Community Type: Successional old field

Hydrophytic Vegetation Present? Yes _____ No X

Remarks: (Include photo numbers here or on a separate sheet.)

Photo # P19 **Direction of Photo** S

- Tree line through old field

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1l09d

SOIL

Sampling Point: D19

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-12	10YR4/2	100						
12-20	10YR5/4	70	10YR5/6	15	C	M		
			10YR5/2	15	D	M		

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Dark Surface (S7) (**LRR R, MLRA 149B**)
- ___ Polyvalue Below Surface (S8) (**LRR R, MLRA 149B**)
- ___ Thin Dark Surface (S9) (**LRR R, MLRA 149B**)
- ___ Loamy Mucky Mineral (F1) (**LRR K, L**)
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ___ 2 cm Muck (A10) (**LRR K, L, MLRA 149B**)
- ___ Coast Prairie Redox (A16) (**LRR K, L, R**)
- ___ 5 cm Mucky Peat or Peat (S3) (**LRR K, L, R**)
- ___ Dark Surface (S7) (**LRR K, L, M**)
- ___ Polyvalue Below Surface (S8) (**LRR K, L**)
- ___ Thin Dark Surface (S9) (**LRR K, L**)
- ___ Iron-Manganese Masses (F12) (**LRR K, L, R**)
- ___ Piedmont Floodplain Soils (F19) (**MLRA 149B**)
- ___ Mesic Spodic (TA6) (**MLRA 144A, 145, 149B**)
- ___ Red Parent Material (TF2)
- ___ Very Shallow Dark Surface (TF12)
- ___ Other (Explain in Remarks)

[3] Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: NONE

Depth (inches): N/A

Hydric Soil Present? Yes _____ No X

Remarks:

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1I09d

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: Amherst Central Park Town/County: Amherst/Erie County Sampling Date: 6.5.2023

Applicant/Owner: Town of Amherst State: New York Sampling Point: D20

Investigator(s): Scott Livingstone & Alex Molik Section, Township, Range: 68.01-1-1.2

Landform (hillslope, terrace, etc.): Depression Local relief (concave, convex, none): CONCAVE Slope (%): 0

Subregion (LRR or MLRA) LRRL Lat: 42.98583°N Long: -78.77296°W Datum: NAD83

Soil Map Unit Name: ODESSA SILT LOAM, 0-3% Slopes NWI classification: PSS

Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No ____ (If no, explain in Remarks.)

Are Vegetation ____, Soil ____, or Hydrology ____ significantly disturbed? Are "Normal Circumstances" present? Yes X No ____

Are Vegetation ____, Soil ____, or Hydrology ____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS : Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes X	No ____	**Is the Sampled Area within a Wetland?** Yes X No ____
Hydric Soil Present?	Yes X	No ____	
Wetland Hydrology Present?	Yes X	No ____	If yes, optional Wetland Site ID: W7

Remarks: (Explain alternative procedures here or in a separate report.)

• W7-1 → W7-4 (CLOSED)

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ___ Surface Water (A1)
- ___ High Water Table (A2)
- ___ Saturation (A3)
- ___ Water Marks (B1)
- ___ Sediment Deposits (B2)
- ___ Drift Deposits (B3)
- ___ Algal Mat or Crust (B4)
- ___ Iron Deposits (B5)
- ___ Inundation Visible on Aerial Imagery (B7)
- ___ Sparsely Vegetated Concave Surface (B8)
- X Water-Stained Leaves (B9)
- ___ Aquatic Fauna (B13)
- ___ Marl Deposits (B15)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres on Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ___ Surface Soil Cracks (B6)
- ___ Drainage Patterns (B10)
- ___ Moss Trim Lines (B16)
- ___ Dry-Season Water Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Stunted or Stressed Plants (D1)
- ___ Geomorphic Position (D2)
- ___ Shallow Aquitard (D3)
- ___ Microtopographic Relief (D4)
- ___ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present?	Yes ____	No X	Depth (inches): N/A
Water Table Present?	Yes ____	No X	Depth (inches): N/A
Saturation Present? (includes capillary fringe)	Yes ____	No X	Depth (inches): N/A

Wetland Hydrology Present? Yes X No ____

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1I09d

VEGETATION : Use scientific names of plants.

Sampling Point: D20

Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status
1. Quercus bicolor	10	Y	FACW
2. Quercus palustris	10	Y	FACW
3.			
4.			
5.			
6.			
7.			
	20	= Total Cover	

Sapling/Shrub Stratum (Plot size: 15')			
1. Rhamnus Cathartica	30	Y	FAC
2. Fraxinus pennsylvanica	10	N	FACW
3. Quercus palustris	10	N	FACW
4. Salix discolor	5	N	FACW
5.			
6.			
7.			
	55	= Total Cover	

Herb Stratum (Plot size: 5')			
1. Glyceria striata	15	Y	OBL
2. Rhamnus Cathartica	15	Y	FAC
3. Carex vulpinoidea	5	N	OBL
4.			
5.			
6.			
7.			
8.			
9.			
10.			
11.			
12.			
	35	= Total Cover	

Woody Vine Stratum (Plot size: 30')			
1.			
2.			
3.			
4.			
	0	= Total Cover	

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 5 (A)

Total Number of Dominant Species Across All Strata: 5 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 100 (A/B)

Prevalence Index worksheet:

Total % Cover of:	Multiply by:
OBL species	x 1 =
FACW species	x 2 =
FAC species	x 3 =
FACU species	x 4 =
UPL species	x 5 =
Column Totals: (A)	(B)

Prevalence Index = B/A =

Hydrophytic Vegetation Indicators:

- ___ 1 - Rapid Test for Hydrophytic Vegetation
- X 2 - Dominance Test is >50%
- ___ 3 - Prevalence Index is < 3.0[1]
- ___ 4 - Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)
- ___ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Definitions of Vegetation Strata:

Tree - Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft (1 m) tall.

Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vines - All woody vines greater than 3.28 ft in height.

Community Type: Scrub-shrub Swamp

Hydrophytic Vegetation Present? Yes X No ___

Remarks: (Include photo numbers here or on a separate sheet.)

Photo # P20 **Direction of Photo** W

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1l09d

SOIL

Sampling Point: D20

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-6	7.5YR3/1	85	7.5YR5/8	15	C	M	Sil+	
6-20	7.5YR5/4	90	7.5YR5/6	10	C	M	Sicl	

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Dark Surface (S7) (**LRR R, MLRA 149B**)
- ___ Polyvalue Below Surface (S8) (**LRR R, MLRA 149B**)
- ___ Thin Dark Surface (S9) (**LRR R, MLRA 149B**)
- ___ Loamy Mucky Mineral (F1) (**LRR K, L**)
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- X Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ___ 2 cm Muck (A10) (**LRR K, L, MLRA 149B**)
- ___ Coast Prairie Redox (A16) (**LRR K, L, R**)
- ___ 5 cm Mucky Peat or Peat (S3) (**LRR K, L, R**)
- ___ Dark Surface (S7) (**LRR K, L, M**)
- ___ Polyvalue Below Surface (S8) (**LRR K, L**)
- ___ Thin Dark Surface (S9) (**LRR K, L**)
- ___ Iron-Manganese Masses (F12) (**LRR K, L, R**)
- ___ Piedmont Floodplain Soils (F19) (**MLRA 149B**)
- ___ Mesic Spodic (TA6) (**MLRA 144A, 145, 149B**)
- ___ Red Parent Material (TF2)
- ___ Very Shallow Dark Surface (TF12)
- ___ Other (Explain in Remarks)

[3] Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: NONE

Depth (inches): N/A

Hydric Soil Present? Yes X No ___

Remarks:

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1I09d

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: Amherst Central Park Town/County: Amherst/Erie County Sampling Date: 6-5-2023

Applicant/Owner: Town of Amherst State: New York Sampling Point: D21

Investigator(s): Scott Livingstone & Alex Molik Section, Township, Range: 68.01-1-1.2

Landform (hillslope, terrace, etc.): LAKE Plain Local relief (concave, convex, none): NONE Slope (%): 2

Subregion (LRR or MLRA) LRRL Lat: 42.98574°N Long: -78.77299°W Datum: NAD83

Soil Map Unit Name: ODESSA SILT LOAM, 0-3% Slopes NW I classification: N/A

Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No ____ (If no, explain in Remarks.)

Are Vegetation ____, Soil ____, or Hydrology ____ significantly disturbed? Are "Normal Circumstances" present? Yes X No ____

Are Vegetation ____, Soil ____, or Hydrology ____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS : Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes ____	No X	**Is the Sampled Area within a Wetland?** Yes ____ No X
Hydric Soil Present?	Yes ____	No X	
Wetland Hydrology Present?	Yes ____	No X	If yes, optional Wetland Site ID: N/A

Remarks: (Explain alternative procedures here or in a separate report.)

UPLAND SUCCESSIONAL FIELD

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ___ Surface Water (A1)
- ___ High Water Table (A2)
- ___ Saturation (A3)
- ___ Water Marks (B1)
- ___ Sediment Deposits (B2)
- ___ Drift Deposits (B3)
- ___ Algal Mat or Crust (B4)
- ___ Iron Deposits (B5)
- ___ Inundation Visible on Aerial Imagery (B7)
- ___ Sparsely Vegetated Concave Surface (B8)
- ___ Water-Stained Leaves (B9)
- ___ Aquatic Fauna (B13)
- ___ Marl Deposits (B15)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres on Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ___ Surface Soil Cracks (B6)
- ___ Drainage Patterns (B10)
- ___ Moss Trim Lines (B16)
- ___ Dry-Season 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: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1I09d

VEGETATION : Use scientific names of plants.

Sampling Point: D21

Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status
1. Quercus alba	10	Y	FACU
2.			
3.			
4.			
5.			
6.			
7.			
	10 = Total Cover		

Sapling/Shrub Stratum (Plot size: 15')			
1.			
2.			
3.			
4.			
5.			
6.			
7.			
	0 = Total Cover		

Herb Stratum (Plot size: 5')			
1. Poa pratensis	75	Y	FACU
2. Dactylis glomerata	15	N	FACU
3. Lolium perenne	10	N	FACU
4. Taraxacum officinale	5	N	FACU
5.			
6.			
7.			
8.			
9.			
10.			
11.			
12.			
	105 = Total Cover		

Woody Vine Stratum (Plot size: 30')			
1.			
2.			
3.			
4.			
	0 = Total Cover		

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 0 (A)

Total Number of Dominant Species Across All Strata: 2 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 0 (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1 =	0
FACW species	0	x 2 =	0
FAC species	0	x 3 =	0
FACU species	115	x 4 =	460
UPL species	0	x 5 =	0
Column Totals:	115 (A)		460 (B)

Prevalence Index = B/A = 4.0

Hydrophytic Vegetation Indicators:

__ 1 - Rapid Test for Hydrophytic Vegetation

__ 2 - Dominance Test is >50%

__ 3 - Prevalence Index is < 3.0[1]

__ 4 - Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)

__ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Definitions of Vegetation Strata:

Tree - Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft (1 m) tall.

Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vines - All woody vines greater than 3.28 ft in height.

Community Type: Successional old Field

Hydrophytic Vegetation Present? Yes _____ No X

Remarks: (Include photo numbers here or on a separate sheet.)

Photo # P21 **Direction of Photo** SW

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: WH09d

SOIL

Sampling Point: D21

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-7	7.5YR4/2	100					sicl	
7-20	7.5YR5/4	90	7.5YR5/6	10	C	M	s.c	

[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: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1I09d

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: Amherst Central Park Town/County: Amherst/Erie County Sampling Date: 6.5.2023

Applicant/Owner: Town of Amherst State: New York Sampling Point: DZZ

Investigator(s): Scott Livingstone & Alex Molik Section, Township, Range: 68.01-1-1.2

Landform (hillslope, terrace, etc.): Depression Local relief (concave, convex, none): CONCAVE Slope (%): 0

Subregion (LRR or MLRA) LRRL Lat: 42.985660°N Long: -78.77250°W Datum: NAD83

Soil Map Unit Name: ODESSA SILT LOAM, 0-3% Slopes NWI classification: PFO

Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No ____ (If no, explain in Remarks.)

Are Vegetation ____, Soil ____, or Hydrology ____ significantly disturbed? Are "Normal Circumstances" present? Yes X No ____

Are Vegetation ____, Soil ____, or Hydrology ____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS : Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes X	No ____	**Is the Sampled Area within a Wetland?** Yes X No ____
Hydric Soil Present?	Yes X	No ____	
Wetland Hydrology Present?	Yes X	No ____	If yes, optional Wetland Site ID: WO

Remarks: (Explain alternative procedures here or in a separate report.)

* WB-1 -> WB-8 (CLOSED)

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ___ Surface Water (A1)
- ___ High Water Table (A2)
- ___ Saturation (A3)
- ___ Water Marks (B1)
- ___ Sediment Deposits (B2)
- ___ Drift Deposits (B3)
- ___ Algal Mat or Crust (B4)
- ___ Iron Deposits (B5)
- ___ Inundation Visible on Aerial Imagery (B7)
- ___ Sparsely Vegetated Concave Surface (B8)
- X Water-Stained Leaves (B9)
- ___ Aquatic Fauna (B13)
- ___ Marl Deposits (B15)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres on Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ___ Surface Soil Cracks (B6)
- ___ Drainage Patterns (B10)
- ___ Moss Trim Lines (B16)
- ___ Dry-Season Water Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Stunted or Stressed Plants (D1)
- ___ Geomorphic Position (D2)
- ___ Shallow Aquitard (D3)
- ___ Microtopographic Relief (D4)
- ___ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present?	Yes ____	No X	Depth (inches): N/A
Water Table Present?	Yes ____	No X	Depth (inches): N/A
Saturation Present? (includes capillary fringe)	Yes ____	No X	Depth (inches): N/A

Wetland Hydrology Present? Yes X No ____

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1l09d

VEGETATION : Use scientific names of plants.

Sampling Point: D92

Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status
1. Quercus palustris	7	Y	FACW
2. Acer rubrum	5	Y	FAC
3.			
4.			
5.			
6.			
7.			
	12	= Total Cover	

Sapling/Shrub Stratum (Plot size: 15')			
1. Quercus palustris	45	Y	FACW
2. Fraxinus pennsylvanica	20	Y	FACW
3. Rhamnus cathartica	5	N	FAC
4.			
5.			
6.			
7.			
	70	= Total Cover	

Herb Stratum (Plot size: 5')			
1. Agrostis gigantea	35	Y	FACW
2. Carex molesta	25	Y	FACW
3. Poa pratensis	15	N	FACU
4. Toxicodendron radicans	10	N	FAC
5.			
6.			
7.			
8.			
9.			
10.			
11.			
12.			
	85	= Total Cover	

Woody Vine Stratum (Plot size: 30')			
1.			
2.			
3.			
4.			
	0	= Total Cover	

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 6 (A)

Total Number of Dominant Species Across All Strata: 6 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 100 (A/B)

Prevalence Index worksheet:

Total % Cover of:	Multiply by:
OBL species	x 1 =
FACW species	x 2 =
FAC species	x 3 =
FACU species	x 4 =
UPL species	x 5 =
Column Totals: (A)	(B)

Prevalence Index = B/A =

Hydrophytic Vegetation Indicators:

- ___ 1 - Rapid Test for Hydrophytic Vegetation
- _x_ 2 - Dominance Test is >50%
- ___ 3 - Prevalence Index is < 3.0[1]
- ___ 4 - Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)
- ___ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Definitions of Vegetation Strata:

Tree - Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft (1 m) tall.

Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vines - All woody vines greater than 3.28 ft in height.

Community Type: Scrub-shrub Swamp

Hydrophytic Vegetation Present? Yes x No ___

Remarks: (Include photo numbers here or on a separate sheet.)

Photo # P02 **Direction of Photo** E

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1l09d

SOIL

Sampling Point: D22

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-6	10YR 4/2	85	10YR 5/8	15	C	M	Si L	
6-20	7.5YR 5/4	80	7.5YR 5/6	20	C	M	Si C	

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Dark Surface (S7) (**LRR R, MLRA 149B**)
- ___ Polyvalue Below Surface (S8) (**LRR R, MLRA 149B**)
- ___ Thin Dark Surface (S9) (**LRR R, MLRA 149B**)
- ___ Loamy Mucky Mineral (F1) (**LRR K, L**)
- ___ Loamy Gleyed Matrix (F2)
- X Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ___ 2 cm Muck (A10) (**LRR K, L, MLRA 149B**)
- ___ Coast Prairie Redox (A16) (**LRR K, L, R**)
- ___ 5 cm Mucky Peat or Peat (S3) (**LRR K, L, R**)
- ___ Dark Surface (S7) (**LRR K, L, M**)
- ___ Polyvalue Below Surface (S8) (**LRR K, L**)
- ___ Thin Dark Surface (S9) (**LRR K, L**)
- ___ Iron-Manganese Masses (F12) (**LRR K, L, R**)
- ___ Piedmont Floodplain Soils (F19) (**MLRA 149B**)
- ___ Mesic Spodic (TA6) (**MLRA 144A, 145, 149B**)
- ___ Red Parent Material (TF2)
- ___ Very Shallow Dark Surface (TF12)
- ___ Other (Explain in Remarks)

[3] Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: NONE

Depth (inches): N/A

Hydric Soil Present? Yes X No ___

Remarks:

MARGINAL HYDRIC SOIL

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1I09d

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: Amherst Central Park Town/County: Amherst/Erie County Sampling Date: 6.5.2023

Applicant/Owner: Town of Amherst State: New York Sampling Point: DZ3

Investigator(s): Scott Livingstone & Alex Molik Section, Township, Range: 68.01-1-1.2

Landform (hillslope, terrace, etc.): LAKE PLAIN Local relief (concave, convex, none): CONVEX Slope (%): 2

Subregion (LRR or MLRA) LRRL Lat: 42.98560°N Long: -78.77257°W Datum: NAD83

Soil Map Unit Name: ODESSA SILT LOAM, 0-3% SLOPES 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 SUCCESSIONAL FIELD

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ___ Surface Water (A1)
- ___ High Water Table (A2)
- ___ Saturation (A3)
- ___ Water Marks (B1)
- ___ Sediment Deposits (B2)
- ___ Drift Deposits (B3)
- ___ Algal Mat or Crust (B4)
- ___ Iron Deposits (B5)
- ___ Inundation Visible on Aerial Imagery (B7)
- ___ Sparsely Vegetated Concave Surface (B8)
- ___ Water-Stained Leaves (B9)
- ___ Aquatic Fauna (B13)
- ___ Marl Deposits (B15)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres on Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ___ Surface Soil Cracks (B6)
- ___ Drainage Patterns (B10)
- ___ Moss Trim Lines (B16)
- ___ Dry-Season W ater Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Stunted or Stressed Plants (D1)
- ___ Geomorphic Position (D2)
- ___ Shallow Aquitard (D3)
- ___ Microtopographic Relief (D4)
- ___ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present?	Yes ____	No X	Depth (inches): N/A
Water Table Present?	Yes ____	No X	Depth (inches): N/A
Saturation Present? (includes capillary fringe)	Yes ____	No X	Depth (inches): N/A

Wetland Hydrology Present? Yes ____ No X

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1I09d

VEGETATION : Use scientific names of plants.

Sampling Point: D23

Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status
1. Quercus palustris	5	Y	FACW
2.			
3.			
4.			
5.			
6.			
7.			
	5	= Total Cover	

Sapling/Shrub Stratum (Plot size: 15')			
1. Acer rubrum	12	Y	FAC
2. Robinia pseudoacacia	10	Y	FACU
3. Rhamnus cathartica	5	N	FAC
4.			
5.			
6.			
7.			
	27	= Total Cover	

Herb Stratum (Plot size: 5')			
1. Poa pratensis	40	Y	FACU
2. Glechoma hederacea	15	N	FACU
3. Lolium perenne	15	N	FACU
4. Centaurea stoebe	5	N	NI
5.			
6.			
7.			
8.			
9.			
10.			
11.			
12.			
	95	= Total Cover	

Woody Vine Stratum (Plot size: 30')			
1.			
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: 4 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 50 (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1 =	0
FACW species	5	x 2 =	10
FAC species	17	x 3 =	51
FACU species	100	x 4 =	400
UPL species	0	x 5 =	0
Column Totals:	122 (A)		461 (B)

Prevalence Index = B/A = 3.78

Hydrophytic Vegetation Indicators:

- ___ 1 - Rapid Test for Hydrophytic Vegetation
- ___ 2 - Dominance Test is >50%
- ___ 3 - Prevalence Index is < 3.0[1]
- ___ 4 - Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)
- ___ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Definitions of Vegetation Strata:

Tree - Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft (1 m) tall.

Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vines - All woody vines greater than 3.28 ft in height.

Community Type: Successional old field

Hydrophytic Vegetation Present? Yes ___ No X

Remarks: (Include photo numbers here or on a separate sheet.)

Photo # P23 **Direction of Photo** SW

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1I09d

SOIL

Sampling Point: D23

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-20	10YR4/3	90	10YR5/6	10	C	M	l	

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Dark Surface (S7) (**LRR R, MLRA 149B**)
- ___ Polyvalue Below Surface (S8) (**LRR R, MLRA 149B**)
- ___ Thin Dark Surface (S9) (**LRR R, MLRA 149B**)
- ___ Loamy Mucky Mineral (F1) (**LRR K, L**)
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ___ 2 cm Muck (A10) (**LRR K, L, MLRA 149B**)
- ___ Coast Prairie Redox (A16) (**LRR K, L, R**)
- ___ 5 cm Mucky Peat or Peat (S3) (**LRR K, L, R**)
- ___ Dark Surface (S7) (**LRR K, L, M**)
- ___ Polyvalue Below Surface (S8) (**LRR K, L**)
- ___ Thin Dark Surface (S9) (**LRR K, L**)
- ___ Iron-Manganese Masses (F12) (**LRR K, L, R**)
- ___ Piedmont Floodplain Soils (F19) (**MLRA 149B**)
- ___ Mesic Spodic (TA6) (**MLRA 144A, 145, 149B**)
- ___ Red Parent Material (TF2)
- ___ Very Shallow Dark Surface (TF12)
- ___ Other (Explain in Remarks)

[3] Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: NONE

Depth (inches): N/A

Hydric Soil Present? Yes ____ No X

Remarks:

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1l09d

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: Amherst Central Park Town/County: Amherst/Erie County Sampling Date: 6.5.2023

Applicant/Owner: Town of Amherst State: New York Sampling Point: DZ4

Investigator(s): Scott Livingstone & Alex Molik Section, Township, Range: 68.01-1-1.2

Landform (hillslope, terrace, etc.): LAKE Plain Local relief (concave, convex, none): NONE Slope (%): 1

Subregion (LRR or MLRA) LRRL Lat: 42.986180°N Long: -78.771441°W Datum: NAD83

Soil Map Unit Name: ODESSA SILT LOAM, 0-3% SLOPES 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 N/A
Hydric Soil Present?	Yes ____	No X	
Wetland Hydrology Present?	Yes ____	No X	If yes, optional Wetland Site ID: ____

Remarks: (Explain alternative procedures here or in a separate report.)

UPLAND SUCCESSIONAL FIELD

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ___ Surface Water (A1)
- ___ High Water Table (A2)
- ___ Saturation (A3)
- ___ Water Marks (B1)
- ___ Sediment Deposits (B2)
- ___ Drift Deposits (B3)
- ___ Algal Mat or Crust (B4)
- ___ Iron Deposits (B5)
- ___ Inundation Visible on Aerial Imagery (B7)
- ___ Sparsely Vegetated Concave Surface (B8)
- ___ Water-Stained Leaves (B9)
- ___ Aquatic Fauna (B13)
- ___ Marl Deposits (B15)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres on Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ___ Surface Soil Cracks (B6)
- ___ Drainage Patterns (B10)
- ___ Moss Trim Lines (B16)
- ___ Dry-Season W ater Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Stunted or Stressed Plants (D1)
- ___ Geomorphic Position (D2)
- ___ Shallow Aquitard (D3)
- ___ Microtopographic Relief (D4)
- ___ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present?	Yes ____	No X	Depth (inches): N/A
Water Table Present?	Yes ____	No X	Depth (inches): N/A
Saturation Present? (includes capillary fringe)	Yes ____	No X	Depth (inches): N/A

Wetland Hydrology Present? Yes ____ No X

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1109d

VEGETATION : Use scientific names of plants. Sampling Point: D24

Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status
1. Acer saccharum	15	Y	FACU
2. Aesculus hippocastanum	3	N	NI
3. Acer rubrum	3	N	FAC
4.			
5.			
6.			
7.			
	21	= Total Cover	

Sapling/Shrub Stratum (Plot size: 15')			
1.			
2.			
3.			
4.			
5.			
6.			
7.			
	0	= Total Cover	

Herb Stratum (Plot size: 5')			
1. Poa pratensis	55	Y	FACU
2. Dactylis glomerata	30	Y	FACU
3. Taraxacum officinale	15	N	FACU
4. Lolium perenne	10	N	FACU
5. Glechoma hederacea	5	N	FACU
6.			
7.			
8.			
9.			
10.			
11.			
12.			
	115	= Total Cover	

Woody Vine Stratum (Plot size: 30')			
1.			
2.			
3.			
4.			
	0	= Total Cover	

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: _____ (A)

Total Number of Dominant Species Across All Strata: _____ (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: _____ (A/B)

Prevalence Index worksheet:

Total % Cover of:	Multiply by:
OBL species _____	x 1 = _____
FACW species _____	x 2 = _____
FAC species _____	x 3 = _____
FACU species _____	x 4 = _____
UPL species _____	x 5 = _____
Column Totals: _____ (A)	_____ (B)

Prevalence Index = B/A = _____

Hydrophytic Vegetation Indicators:

__ 1 - Rapid Test for Hydrophytic Vegetation

__ 2 - Dominance Test is >50%

__ 3 - Prevalence Index is < 3.0[1]

__ 4 - Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)

__ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Definitions of Vegetation Strata:

Tree - Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft (1 m) tall.

Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vines - All woody vines greater than 3.28 ft in height.

Community Type: Successional old field

Hydrophytic Vegetation Present? Yes _____ No X

Remarks: (Include photo numbers here or on a separate sheet.)

Photo # P24 **Direction of Photo** S

- Tree line within old field

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1I09d

SOIL

Sampling Point: DZ4

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-6	10YR4/2	100					L	
6-20	10YR4/4	100					L	

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Dark Surface (S7) (**LRR R, MLRA 149B**)
- ___ Polyvalue Below Surface (S8) (**LRR R, MLRA 149B**)
- ___ Thin Dark Surface (S9) (**LRR R, MLRA 149B**)
- ___ Loamy Mucky Mineral (F1) (**LRR K, L**)
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ___ 2 cm Muck (A10) (**LRR K, L, MLRA 149B**)
- ___ Coast Prairie Redox (A16) (**LRR K, L, R**)
- ___ 5 cm Mucky Peat or Peat (S3) (**LRR K, L, R**)
- ___ Dark Surface (S7) (**LRR K, L, M**)
- ___ Polyvalue Below Surface (S8) (**LRR K, L**)
- ___ Thin Dark Surface (S9) (**LRR K, L**)
- ___ Iron-Manganese Masses (F12) (**LRR K, L, R**)
- ___ Piedmont Floodplain Soils (F19) (**MLRA 149B**)
- ___ Mesic Spodic (TA6) (**MLRA 144A, 145, 149B**)
- ___ Red Parent Material (TF2)
- ___ Very Shallow Dark Surface (TF12)
- ___ Other (Explain in Remarks)

[3] Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: NONE

Depth (inches): N/A

Hydric Soil Present? Yes _____ No X

Remarks:

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1I09d

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: Amherst Central Park Town/County: Amherst/Erie County Sampling Date: 6.5.2023

Applicant/Owner: Town of Amherst State: New York Sampling Point: D25

Investigator(s): Scott Livingstone & Alex Molik Section, Township, Range: 68.01-1-1.2

Landform (hillslope, terrace, etc.): LAKE Plain Local relief (concave, convex, none): NONE Slope (%): 2-1

Subregion (LRR or MLRA) LRRL Lat: 42.98424°N Long: -78.77828°N Datum: NAD83

Soil Map Unit Name: COSAD LOAMY FINE SAND NW I classification: PFO

Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No ____ (If no, explain in Remarks.)

Are Vegetation ____, Soil ____, or Hydrology ____ significantly disturbed? Are "Normal Circumstances" present? Yes X No ____

Are Vegetation ____, Soil ____, or Hydrology ____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS : Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes X	No ____	**Is the Sampled Area within a Wetland?** Yes X No ____
Hydric Soil Present?	Yes X	No ____	
Wetland Hydrology Present?	Yes X	No ____	If yes, optional Wetland Site ID: W9

Remarks: (Explain alternative procedures here or in a separate report.)

• W9-1 → W9-25 (CLOSED)

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ___ Surface Water (A1)
- ___ High Water Table (A2)
- ___ Saturation (A3)
- ___ Water Marks (B1)
- ___ Sediment Deposits (B2)
- ___ Drift Deposits (B3)
- ___ Algal Mat or Crust (B4)
- ___ Iron Deposits (B5)
- ___ Inundation Visible on Aerial Imagery (B7)
- ___ Sparsely Vegetated Concave Surface (B8)
- X Water-Stained Leaves (B9)
- ___ Aquatic Fauna (B13)
- ___ Marl Deposits (B15)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres on Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ___ Surface Soil Cracks (B6)
- ___ Drainage Patterns (B10)
- ___ Moss Trim Lines (B16)
- ___ Dry-Season W ater Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Stunted or Stressed Plants (D1)
- ___ Geomorphic Position (D2)
- ___ Shallow Aquitard (D3)
- ___ Microtopographic Relief (D4)
- ___ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present?	Yes ____	No X	Depth (inches): ____
Water Table Present?	Yes ____	No X	Depth (inches): ____
Saturation Present? (includes capillary fringe)	Yes ____	No X	Depth (inches): ____

Wetland Hydrology Present? Yes X No ____

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

VEGETATION : Use scientific names of plants.

Sampling Point: D25

Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status
1. Populus deltoides	20	Y	FAC
2.			
3.			
4.			
5.			
6.			
7.			
	20	= Total Cover	

Sapling/Shrub Stratum (Plot size: 15')			
1. Rhamnus cathartica	70	Y	FAC
2.			
3.			
4.			
5.			
6.			
7.			
	70	= Total Cover	

Herb Stratum (Plot size: 5')			
1. Rhamnus Cathartica	25	Y	FAC
2. Carex blanda	20	Y	FAC
3. Toxicodendron radicans	10	N	FAC
4.			
5.			
6.			
7.			
8.			
9.			
10.			
11.			
12.			
	55	= Total Cover	

Woody Vine Stratum (Plot size: 30')			
1. Vitis aestivalis	20	Y	FACU
2.			
3.			
4.			
	20	= Total Cover	

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 4 (A)

Total Number of Dominant Species Across All Strata: 5 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 80 (A/B)

Prevalence Index worksheet:

Total % Cover of:	Multiply by:
OBL species	x 1 =
FACW species	x 2 =
FAC species	x 3 =
FACU species	x 4 =
UPL species	x 5 =
Column Totals: (A)	(B)

Prevalence Index = B/A =

Hydrophytic Vegetation Indicators:

- ___ 1 - Rapid Test for Hydrophytic Vegetation
- X 2 - Dominance Test is >50%
- ___ 3 - Prevalence Index is < 3.0[1]
- ___ 4 - Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)
- ___ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Definitions of Vegetation Strata:

Tree - Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft (1 m) tall.

Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vines - All woody vines greater than 3.28 ft in height.

Community Type: Scrub-shrub swamp

Hydrophytic Vegetation Present? Yes X No ___

Remarks: (Include photo numbers here or on a separate sheet.)

Photo # P 25 **Direction of Photo** NW

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1I09d

SOIL

Sampling Point: DZ5

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-5	10YR4/1	90	10YR5/8	10	C	M	S.L	
5-20	10YR5/2	85	10YR5/8	15	C	M	S.L	

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Dark Surface (S7) (**LRR R, MLRA 149B**)
- ___ Polyvalue Below Surface (S8) (**LRR R, MLRA 149B**)
- ___ Thin Dark Surface (S9) (**LRR R, MLRA 149B**)
- ___ Loamy Mucky Mineral (F1) (**LRR K, L**)
- ___ Loamy Gleyed Matrix (F2)
- X Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ___ 2 cm Muck (A10) (**LRR K, L, MLRA 149B**)
- ___ Coast Prairie Redox (A16) (**LRR K, L, R**)
- ___ 5 cm Mucky Peat or Peat (S3) (**LRR K, L, R**)
- ___ Dark Surface (S7) (**LRR K, L, M**)
- ___ Polyvalue Below Surface (S8) (**LRR K, L**)
- ___ Thin Dark Surface (S9) (**LRR K, L**)
- ___ Iron-Manganese Masses (F12) (**LRR K, L, R**)
- ___ Piedmont Floodplain Soils (F19) (**MLRA 149B**)
- ___ Mesic Spodic (TA6) (**MLRA 144A, 145, 149B**)
- ___ Red Parent Material (TF2)
- ___ Very Shallow Dark Surface (TF12)
- ___ Other (Explain in Remarks)

[3] Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: NONE

Depth (inches): N/A

Hydric Soil Present? Yes X No ___

Remarks:

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1I09d

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: Amherst Central Park Town/County: Amherst/Erie County Sampling Date: 6.5.2023

Applicant/Owner: Town of Amherst State: New York Sampling Point: D26

Investigator(s): Scott Livingstone & Alex Molik Section, Township, Range: 68.01-1-1.2

Landform (hillslope, terrace, etc.): FILL PAD Local relief (concave, convex, none): CONVEX Slope (%): 5

Subregion (LRR or MLRA) LRRL Lat: 42.984240°N Long: -78.773240°W Datum: NAD83

Soil Map Unit Name: COSAD LOAMY FINE SAND NW I classification: N/D

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 FILL PAD

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ___ Surface Water (A1)
- ___ High Water Table (A2)
- ___ Saturation (A3)
- ___ Water Marks (B1)
- ___ Sediment Deposits (B2)
- ___ Drift Deposits (B3)
- ___ Algal Mat or Crust (B4)
- ___ Iron Deposits (B5)
- ___ Inundation Visible on Aerial Imagery (B7)
- ___ Sparsely Vegetated Concave Surface (B8)
- ___ Water-Stained Leaves (B9)
- ___ Aquatic Fauna (B13)
- ___ Marl Deposits (B15)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres on Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ___ Surface Soil Cracks (B6)
- ___ Drainage Patterns (B10)
- ___ Moss Trim Lines (B16)
- ___ Dry-Season W ater Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Stunted or Stressed Plants (D1)
- ___ Geomorphic Position (D2)
- ___ Shallow Aquitard (D3)
- ___ Microtopographic Relief (D4)
- ___ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present?	Yes ____	No X	Depth (inches): N/A
Water Table Present?	Yes ____	No X	Depth (inches): N/A
Saturation Present? (includes capillary fringe)	Yes ____	No X	Depth (inches): N/A

Wetland Hydrology Present? Yes ____ No X

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1I09d

VEGETATION : Use scientific names of plants.

Sampling Point: D26

Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status
1.			
2.			
3.			
4.			
5.			
6.			
7.			
	0 = Total Cover		
Sapling/Shrub Stratum (Plot size: 15')			
1. Rhamnus Cathartica	20	Y	FAC
2.			
3.			
4.			
5.			
6.			
7.			
	20 = Total Cover		
Herb Stratum (Plot size: 5')			
1. Urtica dioica	60	Y	FAC
2. Rhamnus cathartica	20	Y	FAC
3. Centaurea Stoebe	5	N	NI
4.			
5.			
6.			
7.			
8.			
9.			
10.			
11.			
12.			
	85 = Total Cover		
Woody Vine Stratum (Plot size: 30')			
1. Vitis aestivalis	40	Y	FACW
2.			
3.			
4.			
	40 = Total Cover		

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 3 (A)

Total Number of Dominant Species Across All Strata: 4 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 75 (A/B)

Prevalence Index worksheet:

Total % Cover of:	Multiply by:
OBL species 0	x 1 = 0
FACW species 0	x 2 = 0
FAC species 100	x 3 = 300
FACU species 40	x 4 = 160
UPL species 0	x 5 = 0
Column Totals: 140 (A)	460 (B)

Prevalence Index = B/A = 3.23

Hydrophytic Vegetation Indicators:

___ 1 - Rapid Test for Hydrophytic Vegetation

___ 2 - Dominance Test is >50%

___ 3 - Prevalence Index is < 3.0[1]

___ 4 - Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)

___ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Definitions of Vegetation Strata:

Tree - Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft (1 m) tall.

Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vines - All woody vines greater than 3.28 ft in height.

Community Type: Successional Shrubland

Hydrophytic Vegetation Present? Yes ___ No X

Remarks: (Include photo numbers here or on a separate sheet.)

Photo # D26 **Direction of Photo** S

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

SOIL

Sampling Point: D26

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-20	10YR 4/1	100					Sil	TOPSOIL Fill

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Dark Surface (S7) (**LRR R, MLRA 149B**)
- ___ Polyvalue Below Surface (S8) (**LRR R, MLRA 149B**)
- ___ Thin Dark Surface (S9) (**LRR R, MLRA 149B**)
- ___ Loamy Mucky Mineral (F1) (**LRR K, L**)
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ___ 2 cm Muck (A10) (**LRR K, L, MLRA 149B**)
- ___ Coast Prairie Redox (A16) (**LRR K, L, R**)
- ___ 5 cm Mucky Peat or Peat (S3) (**LRR K, L, R**)
- ___ Dark Surface (S7) (**LRR K, L, M**)
- ___ Polyvalue Below Surface (S8) (**LRR K, L**)
- ___ Thin Dark Surface (S9) (**LRR K, L**)
- ___ Iron-Manganese Masses (F12) (**LRR K, L, R**)
- ___ Piedmont Floodplain Soils (F19) (**MLRA 149B**)
- ___ Mesic Spodic (TA6) (**MLRA 144A, 145, 149B**)
- ___ Red Parent Material (TF2)
- ___ Very Shallow Dark Surface (TF12)
- ___ Other (Explain in Remarks)

[3] Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: NONE

Depth (inches): N/A

Hydric Soil Present? Yes _____ No X

Remarks:

OLD TOPSOIL PILE

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1I09d

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: Amherst Central Park Town/County: Amherst/Erie County Sampling Date: 6-5-2023

Applicant/Owner: Town of Amherst State: New York Sampling Point: D27

Investigator(s): Scott Livingstone & Alex Molik Section, Township, Range: 68.01-1-1.2

Landform (hillslope, terrace, etc.): LAKEPlain Local relief (concave, convex, none): CONVEX Slope (%): 2

Subregion (LRR or MLRA) LRRL Lat: 42.98491°N Long: -78.77495°W Datum: NAD83

Soil Map Unit Name: COSAD LOAMY FINE SAND 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 SUCCESSIONAL FIELD

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ___ Surface Water (A1)
- ___ High Water Table (A2)
- ___ Saturation (A3)
- ___ Water Marks (B1)
- ___ Sediment Deposits (B2)
- ___ Drift Deposits (B3)
- ___ Algal Mat or Crust (B4)
- ___ Iron Deposits (B5)
- ___ Inundation Visible on Aerial Imagery (B7)
- ___ Sparsely Vegetated Concave Surface (B8)
- ___ Water-Stained Leaves (B9)
- ___ Aquatic Fauna (B13)
- ___ Marl Deposits (B15)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres on Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ___ Surface Soil Cracks (B6)
- ___ Drainage Patterns (B10)
- ___ Moss Trim Lines (B16)
- ___ Dry-Season 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: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

VEGETATION : Use scientific names of plants. Sampling Point: D27

Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status
1. Quercus palustris	15	Y	FACW
2. Robinia pseudoacacia	15	Y	FACU
3.			
4.			
5.			
6.			
7.			
	30	= Total Cover	

Sapling/Shrub Stratum (Plot size: 15')			
1.			
2.			
3.			
4.			
5.			
6.			
7.			
	0	= Total Cover	

Herb Stratum (Plot size: 5')			
1. Poa pratensis	65	Y	FACU
2. Dactylis glomerata	20	N	FACU
3. Trifolium repens	10	N	FACU
4. Taraxacum officinale	10	N	FACU
5. Lolium perenne	5	N	FACU
6.			
7.			
8.			
9.			
10.			
11.			
12.			
	110	= Total Cover	

Woody Vine Stratum (Plot size: 30')			
1.			
2.			
3.			
4.			
	0	= Total Cover	

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 1 (A)

Total Number of Dominant Species Across All Strata: 3 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 33 (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1 =	0
FACW species	15	x 2 =	30
FAC species	0	x 3 =	0
FACU species	125	x 4 =	500
UPL species	0	x 5 =	0
Column Totals:	140 (A)		530 (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 old field

Hydrophytic Vegetation Present? Yes ____ No X

Remarks: (Include photo numbers here or on a separate sheet.)

Photo # P27 **Direction of Photo** S

- Tree line within old field

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1l09d

SOIL

Sampling Point: D27

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-6	10YR4/3	100					l	
6-20	10YR5/4	100					l	

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Dark Surface (S7) (**LRR R, MLRA 149B**)
- ___ Polyvalue Below Surface (S8) (**LRR R, MLRA 149B**)
- ___ Thin Dark Surface (S9) (**LRR R, MLRA 149B**)
- ___ Loamy Mucky Mineral (F1) (**LRR K, L**)
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ___ 2 cm Muck (A10) (**LRR K, L, MLRA 149B**)
- ___ Coast Prairie Redox (A16) (**LRR K, L, R**)
- ___ 5 cm Mucky Peat or Peat (S3) (**LRR K, L, R**)
- ___ Dark Surface (S7) (**LRR K, L, M**)
- ___ Polyvalue Below Surface (S8) (**LRR K, L**)
- ___ Thin Dark Surface (S9) (**LRR K, L**)
- ___ Iron-Manganese Masses (F12) (**LRR K, L, R**)
- ___ Piedmont Floodplain Soils (F19) (**MLRA 149B**)
- ___ Mesic Spodic (TA6) (**MLRA 144A, 145, 149B**)
- ___ Red Parent Material (TF2)
- ___ Very Shallow Dark Surface (TF12)
- ___ Other (Explain in Remarks)

[3] Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: NONE

Depth (inches): N/A

Hydric Soil Present? Yes _____ No X

Remarks:

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1I09d

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: Amherst Central Park Town/County: Amherst/Erie County Sampling Date: 6.5.2023

Applicant/Owner: Town of Amherst State: New York Sampling Point: D28

Investigator(s): Scott Livingstone & Alex Molik Section, Township, Range: 68.01-1-1.2

Landform (hillslope, terrace, etc.): LAKE PLAIN Local relief (concave, convex, none): NONE Slope (%): 1

Subregion (LRR or MLRA) LRRL Lat: 42.98542°N Long: -78.77529°W Datum: NAD83

Soil Map Unit Name: ODESSA SILT LOAM, 0-3% SLOPES NW I classification: N/A

Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No ____ (If no, explain in Remarks.)

Are Vegetation ____, Soil ____, or Hydrology ____ significantly disturbed? Are "Normal Circumstances" present? Yes X No ____

Are Vegetation ____, Soil ____, or Hydrology ____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS : Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes ____	No X	**Is the Sampled Area within a Wetland?** Yes ____ No X
Hydric Soil Present?	Yes ____	No X	
Wetland Hydrology Present?	Yes ____	No X	If yes, optional Wetland Site ID: N/A

Remarks: (Explain alternative procedures here or in a separate report.)

UPLAND SUCCESSIONAL FIELD

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ___ Surface Water (A1)
- ___ High Water Table (A2)
- ___ Saturation (A3)
- ___ Water Marks (B1)
- ___ Sediment Deposits (B2)
- ___ Drift Deposits (B3)
- ___ Algal Mat or Crust (B4)
- ___ Iron Deposits (B5)
- ___ Inundation Visible on Aerial Imagery (B7)
- ___ Sparsely Vegetated Concave Surface (B8)
- ___ Water-Stained Leaves (B9)
- ___ Aquatic Fauna (B13)
- ___ Marl Deposits (B15)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres on Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ___ Surface Soil Cracks (B6)
- ___ Drainage Patterns (B10)
- ___ Moss Trim Lines (B16)
- ___ Dry-Season W ater Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Stunted or Stressed Plants (D1)
- ___ Geomorphic Position (D2)
- ___ Shallow Aquitard (D3)
- ___ Microtopographic Relief (D4)
- ___ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present?	Yes ____	No X	Depth (inches): N/A
Water Table Present?	Yes ____	No X	Depth (inches): N/A
Saturation Present? (includes capillary fringe)	Yes ____	No X	Depth (inches): N/A

Wetland Hydrology Present? Yes ____ No X

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

VEGETATION : Use scientific names of plants. Sampling Point: D28

Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status
1. Acer Saccharinum	15	Y	FACW
2.			
3.			
4.			
5.			
6.			
7.			
	15 = Total Cover		

Sapling/Shrub Stratum (Plot size: 15')			
1.			
2.			
3.			
4.			
5.			
6.			
7.			
	0 = Total Cover		

Herb Stratum (Plot size: 5')			
1. Poa pratensis	70	Y	FACU
2. Dactylis glomerata	25	Y	FACU
3. Lolium perenne	15	N	FACU
4. Taraxacum officinale	5	N	FACU
5.			
6.			
7.			
8.			
9.			
10.			
11.			
12.			
	115 = Total Cover		

Woody Vine Stratum (Plot size: 30')			
1.			
2.			
3.			
4.			
	0 = Total Cover		

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 1 (A)

Total Number of Dominant Species Across All Strata: 3 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 33 (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1 =	0
FACW species	15	x 2 =	30
FAC species	0	x 3 =	0
FACU species	115	x 4 =	460
UPL species	0	x 5 =	0
Column Totals:	130 (A)		490 (B)

Prevalence Index = B/A = 3.77

Hydrophytic Vegetation Indicators:

___ 1 - Rapid Test for Hydrophytic Vegetation

___ 2 - Dominance Test is >50%

___ 3 - Prevalence Index is < 3.0[1]

___ 4 - Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)

___ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Definitions of Vegetation Strata:

Tree - Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft (1 m) tall.

Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vines - All woody vines greater than 3.28 ft in height.

Community Type: Successional old field

Hydrophytic Vegetation Present? Yes ___ No X

Remarks: (Include photo numbers here or on a separate sheet.)

Photo # P28 **Direction of Photo** N

- Tree line within old field

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1I09d

SOIL

Sampling Point: D28

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-5	7.5YR4/3	100					Sil	
5-20	7.5YR5/4	100					SiC	

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Dark Surface (S7) (**LRR R, MLRA 149B**)
- ___ Polyvalue Below Surface (S8) (**LRR R, MLRA 149B**)
- ___ Thin Dark Surface (S9) (**LRR R, MLRA 149B**)
- ___ Loamy Mucky Mineral (F1) (**LRR K, L**)
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ___ 2 cm Muck (A10) (**LRR K, L, MLRA 149B**)
- ___ Coast Prairie Redox (A16) (**LRR K, L, R**)
- ___ 5 cm Mucky Peat or Peat (S3) (**LRR K, L, R**)
- ___ Dark Surface (S7) (**LRR K, L, M**)
- ___ Polyvalue Below Surface (S8) (**LRR K, L**)
- ___ Thin Dark Surface (S9) (**LRR K, L**)
- ___ Iron-Manganese Masses (F12) (**LRR K, L, R**)
- ___ Piedmont Floodplain Soils (F19) (**MLRA 149B**)
- ___ Mesic Spodic (TA6) (**MLRA 144A, 145, 149B**)
- ___ Red Parent Material (TF2)
- ___ Very Shallow Dark Surface (TF12)
- ___ Other (Explain in Remarks)

[3] Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: NONE

Depth (inches): N/A

Hydric Soil Present? Yes ____ No X

Remarks:

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1I09d

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: Amherst Central Park Town/County: Amherst/Erie County Sampling Date: 6.6.2023

Applicant/Owner: Town of Amherst State: New York Sampling Point: D29

Investigator(s): Scott Livingstone & Alex Molik Section, Township, Range: 68.01-1-1.2

Landform (hillslope, terrace, etc.): LAKE PLAIN Local relief (concave, convex, none): CONVEX Slope (%): 3

Subregion (LRR or MLRA) LRRL Lat: 42.981430°N Long: -78.769210°W Datum: NAD83

Soil Map Unit Name: SCHOHARIE SILT LOAM, 3-8% 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	If yes, optional Wetland Site ID: N/A
Wetland Hydrology Present?	Yes ____	No X	

Remarks: (Explain alternative procedures here or in a separate report.)

UPLAND SUCCESSIONAL FIELD

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ___ Surface Water (A1)
- ___ High Water Table (A2)
- ___ Saturation (A3)
- ___ Water Marks (B1)
- ___ Sediment Deposits (B2)
- ___ Drift Deposits (B3)
- ___ Algal Mat or Crust (B4)
- ___ Iron Deposits (B5)
- ___ Inundation Visible on Aerial Imagery (B7)
- ___ Sparsely Vegetated Concave Surface (B8)
- ___ Water-Stained Leaves (B9)
- ___ Aquatic Fauna (B13)
- ___ Marl Deposits (B15)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres on Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ___ Surface Soil Cracks (B6)
- ___ Drainage Patterns (B10)
- ___ Moss Trim Lines (B16)
- ___ Dry-Season 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: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1I09d

VEGETATION : Use scientific names of plants. Sampling Point: D29

Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status
1.			
2.			
3.			
4.			
5.			
6.			
7.			
	0 = Total Cover		

Sapling/Shrub Stratum (Plot size: 15')			
1.			
2.			
3.			
4.			
5.			
6.			
7.			
	0 = Total Cover		

Herb Stratum (Plot size: 5')			
1. Poa pratensis	60	Y	FACW
2. Dactylis glomerata	40	Y	FACU
3. Trifolium repens	15	N	FACU
4. Taraxacum officinale	10	N	FACU
5. Lotus corniculatus	5	N	FACU
6.			
7.			
8.			
9.			
10.			
11.			
12.			
	130 = Total Cover		

Woody Vine Stratum (Plot size: 30')			
1.			
2.			
3.			
4.			
	0 = Total Cover		

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 0 (A)

Total Number of Dominant Species Across All Strata: 2 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 0 (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1 =	0
FACW species	0	x 2 =	0
FAC species	0	x 3 =	0
FACU species	130	x 4 =	520
UPL species	0	x 5 =	0
Column Totals:	130 (A)		520 (B)

Prevalence Index = B/A = 4.0

Hydrophytic Vegetation Indicators:

___ 1 - Rapid Test for Hydrophytic Vegetation

___ 2 - Dominance Test is >50%

___ 3 - Prevalence Index is < 3.0[1]

___ 4 - Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)

___ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Definitions of Vegetation Strata:

Tree - Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft (1 m) tall.

Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vines - All woody vines greater than 3.28 ft in height.

Community Type: Successional old field

Hydrophytic Vegetation Present? Yes ____ No X

Remarks: (Include photo numbers here or on a separate sheet.)

Photo # 229 **Direction of Photo** W

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1I09d

SOIL

Sampling Point: D29

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-6	7.5YR4/2	100					SiL+	
6-20	7.5YR5/6	100					SiC	

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Dark Surface (S7) (**LRR R, MLRA 149B**)
- ___ Polyvalue Below Surface (S8) (**LRR R, MLRA 149B**)
- ___ Thin Dark Surface (S9) (**LRR R, MLRA 149B**)
- ___ Loamy Mucky Mineral (F1) (**LRR K, L**)
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ___ 2 cm Muck (A10) (**LRR K, L, MLRA 149B**)
- ___ Coast Prairie Redox (A16) (**LRR K, L, R**)
- ___ 5 cm Mucky Peat or Peat (S3) (**LRR K, L, R**)
- ___ Dark Surface (S7) (**LRR K, L, M**)
- ___ Polyvalue Below Surface (S8) (**LRR K, L**)
- ___ Thin Dark Surface (S9) (**LRR K, L**)
- ___ Iron-Manganese Masses (F12) (**LRR K, L, R**)
- ___ Piedmont Floodplain Soils (F19) (**MLRA 149B**)
- ___ Mesic Spodic (TA6) (**MLRA 144A, 145, 149B**)
- ___ Red Parent Material (TF2)
- ___ Very Shallow Dark Surface (TF12)
- ___ Other (Explain in Remarks)

[3] Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: NONE

Depth (inches): N/A

Hydric Soil Present? Yes _____ No X

Remarks:

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1l09d

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: Amherst Central Park Town/County: Amherst/Erie County Sampling Date: 6.6.2023

Applicant/Owner: Town of Amherst State: New York Sampling Point: D30

Investigator(s): Scott Livingstone & Alex Molik Section, Township, Range: 68.01-1-1.2

Landform (hillslope, terrace, etc.): Floodplain Local relief (concave, convex, none): CONCAVE Slope (%): <1

Subregion (LRR or MLRA) LRRL Lat: 42.98381°N Long: -78.77026°W Datum: NAD83

Soil Map Unit Name: WATER NWI classification: PEM

Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No _____ (If no, explain in Remarks.)

Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes X No _____

Are Vegetation _____, Soil _____, or Hydrology _____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS : Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes X	No _____	**Is the Sampled Area within a Wetland?** Yes X No _____
Hydric Soil Present?	Yes X	No _____	
Wetland Hydrology Present?	Yes X	No _____	If yes, optional Wetland Site ID: W55

Remarks: (Explain alternative procedures here or in a separate report.)

- W1-1 → W1-55 (OPEN)
- ELLICOTT CREEK OVERFLOW CHANNEL

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ___ Surface Water (A1)
- ___ High Water Table (A2)
- X Saturation (A3)
- ___ Water Marks (B1)
- ___ Sediment Deposits (B2)
- ___ Drift Deposits (B3)
- ___ Algal Mat or Crust (B4)
- ___ Iron Deposits (B5)
- X Inundation Visible on Aerial Imagery (B7)
- ___ Sparsely Vegetated Concave Surface (B8)
- X Water-Stained Leaves (B9)
- ___ Aquatic Fauna (B13)
- ___ Marl Deposits (B15)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres on Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ___ Surface Soil Cracks (B6)
- ___ Drainage Patterns (B10)
- ___ Moss Trim Lines (B16)
- ___ Dry-Season 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 X	No _____	Depth (inches): SURFACE

Wetland Hydrology Present? Yes _____ No _____

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1l09d

VEGETATION : Use scientific names of plants.

Sampling Point: D30

Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status
1. Salix nigra	30	Y	OBL
2.			
3.			
4.			
5.			
6.			
7.			
	30	= Total Cover	

Sapling/Shrub Stratum (Plot size: 15')			
1. Rhamnus Cathartica	15	Y	FAC
2. Salix discolor	5	Y	FACW
3.			
4.			
5.			
6.			
7.			
	20	= Total Cover	

Herb Stratum (Plot size: 5')			
1. Sagittaria latifolia	35	Y	OBL
2. Lysimachia nummularia	20	Y	FACW
3. Lythrum salicaria	15	N	OBL
4. Typha x glauca	10	N	OBL
5. Glyceria striata	5	N	OBL
6.			
7.			
8.			
9.			
10.			
11.			
12.			
	85	= Total Cover	

Woody Vine Stratum (Plot size: 30')			
1.			
2.			
3.			
4.			
	0	= Total Cover	

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 5 (A)

Total Number of Dominant Species Across All Strata: 5 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 100 (A/B)

Prevalence Index worksheet:

Total % Cover of:	Multiply by:
OBL species	x 1 =
FACW species	x 2 =
FAC species	x 3 =
FACU species	x 4 =
UPL species	x 5 =
Column Totals: (A)	(B)

Prevalence Index = B/A =

Hydrophytic Vegetation Indicators:

- ___ 1 - Rapid Test for Hydrophytic Vegetation
- X 2 - Dominance Test is >50%
- ___ 3 - Prevalence Index is < 3.0[1]
- ___ 4 - Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)
- ___ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Definitions of Vegetation Strata:

Tree - Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft (1 m) tall.

Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vines - All woody vines greater than 3.28 ft in height.

Community Type: Shallow Emergent Marsh

Hydrophytic Vegetation Present? Yes X No ___

Remarks: (Include photo numbers here or on a separate sheet.)

Photo # P30 **Direction of Photo** E

- Stream bank

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: WH09d

SOIL

Sampling Point: D30

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-20	10YR 2/1	98	10YR 5/8	2	C	M	mucky	

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Dark Surface (S7) (**LRR R, MLRA 149B**)
- ___ Polyvalue Below Surface (S8) (**LRR R, MLRA 149B**)
- ___ Thin Dark Surface (S9) (**LRR R, MLRA 149B**)
- ___ Loamy Mucky Mineral (F1) (**LRR K, L**)
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- X Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ___ 2 cm Muck (A10) (**LRR K, L, MLRA 149B**)
- ___ Coast Prairie Redox (A16) (**LRR K, L, R**)
- ___ 5 cm Mucky Peat or Peat (S3) (**LRR K, L, R**)
- ___ Dark Surface (S7) (**LRR K, L, M**)
- ___ Polyvalue Below Surface (S8) (**LRR K, L**)
- ___ Thin Dark Surface (S9) (**LRR K, L**)
- ___ Iron-Manganese Masses (F12) (**LRR K, L, R**)
- ___ Piedmont Floodplain Soils (F19) (**MLRA 149B**)
- ___ Mesic Spodic (TA6) (**MLRA 144A, 145, 149B**)
- ___ Red Parent Material (TF2)
- ___ Very Shallow Dark Surface (TF12)
- ___ Other (Explain in Remarks)

[3] Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: NONE

Depth (inches): N/A

Hydric Soil Present? Yes X No ___

Remarks:

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1l09d

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: Amherst Central Park Town/County: Amherst/Erie County Sampling Date: 6.6.2023

Applicant/Owner: Town of Amherst State: New York Sampling Point: D31

Investigator(s): Scott Livingstone & Alex Molik Section, Township, Range: 68.01-1-1.2

Landform (hillslope, terrace, etc.): Hillslope Local relief (concave, convex, none): CONVEX Slope (%): 20

Subregion (LRR or MLRA) LRRL Lat: 42.98373°N Long: -78.77043°W Datum: NAD83

Soil Map Unit Name: SCHOHARIE SILT LOAM, 3-8% NW I classification: N/A

Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No ____ (If no, explain in Remarks.)

Are Vegetation ____, Soil ____, or Hydrology ____ significantly disturbed? Are "Normal Circumstances" present? Yes X No ____

Are Vegetation ____, Soil ____, or Hydrology ____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS : Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes ____	No X	**Is the Sampled Area within a Wetland?** Yes ____ No X
Hydric Soil Present?	Yes ____	No X	
Wetland Hydrology Present?	Yes ____	No X	If yes, optional Wetland Site ID: N/A

Remarks: (Explain alternative procedures here or in a separate report.)

UPLAND SUCCESSIONAL FIELD

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ___ Surface Water (A1)
- ___ High Water Table (A2)
- ___ Saturation (A3)
- ___ Water Marks (B1)
- ___ Sediment Deposits (B2)
- ___ Drift Deposits (B3)
- ___ Algal Mat or Crust (B4)
- ___ Iron Deposits (B5)
- ___ Inundation Visible on Aerial Imagery (B7)
- ___ Sparsely Vegetated Concave Surface (B8)
- ___ Water-Stained Leaves (B9)
- ___ Aquatic Fauna (B13)
- ___ Marl Deposits (B15)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres on Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ___ Surface Soil Cracks (B6)
- ___ Drainage Patterns (B10)
- ___ Moss Trim Lines (B16)
- ___ Dry-Season W ater Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Stunted or Stressed Plants (D1)
- ___ Geomorphic Position (D2)
- ___ Shallow Aquitard (D3)
- ___ Microtopographic Relief (D4)
- ___ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present?	Yes ____	No X	Depth (inches): N/A
Water Table Present?	Yes ____	No X	Depth (inches): N/A
Saturation Present? (includes capillary fringe)	Yes ____	No X	Depth (inches): N/A

Wetland Hydrology Present? Yes ____ No X

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

VEGETATION : Use scientific names of plants.

Sampling Point: D31

Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status
1.			
2.			
3.			
4.			
5.			
6.			
7.			
	0 = Total Cover		

Sapling/Shrub Stratum (Plot size: 15')			
1.			
2.			
3.			
4.			
5.			
6.			
7.			
	0 = Total Cover		

Herb Stratum (Plot size: 5')			
1. Dactylis glomerata	55	Y	FACU
2. Poa pratensis	40	Y	FACU
3. Lolium perenne	15	N	FACU
4. Phalaris arundinacea	10	N	FACW
5.			
6.			
7.			
8.			
9.			
10.			
11.			
12.			
	120 = Total Cover		

Woody Vine Stratum (Plot size: 30')			
1.			
2.			
3.			
4.			
	0 = Total Cover		

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 0 (A)

Total Number of Dominant Species Across All Strata: 2 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 0 (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1 =	0
FACW species	10	x 2 =	20
FAC species	0	x 3 =	0
FACU species	110	x 4 =	440
UPL species	0	x 5 =	0
Column Totals:	120 (A)		460 (B)

Prevalence Index = B/A = 3.83

Hydrophytic Vegetation Indicators:

___ 1 - Rapid Test for Hydrophytic Vegetation

___ 2 - Dominance Test is >50%

___ 3 - Prevalence Index is < 3.0[1]

___ 4 - Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)

___ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Definitions of Vegetation Strata:

Tree - Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft (1 m) tall.

Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vines - All woody vines greater than 3.28 ft in height.

Community Type: Successional old field

Hydrophytic Vegetation Present? Yes ___ No X

Remarks: (Include photo numbers here or on a separate sheet.)

Photo # P31 **Direction of Photo** SW

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1I09d

SOIL

Sampling Point: D31

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-20	10YR4/3	100					L	

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Dark Surface (S7) (**LRR R, MLRA 149B**)
- ___ Polyvalue Below Surface (S8) (**LRR R, MLRA 149B**)
- ___ Thin Dark Surface (S9) (**LRR R, MLRA 149B**)
- ___ Loamy Mucky Mineral (F1) (**LRR K, L**)
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ___ 2 cm Muck (A10) (**LRR K, L, MLRA 149B**)
- ___ Coast Prairie Redox (A16) (**LRR K, L, R**)
- ___ 5 cm Mucky Peat or Peat (S3) (**LRR K, L, R**)
- ___ Dark Surface (S7) (**LRR K, L, M**)
- ___ Polyvalue Below Surface (S8) (**LRR K, L**)
- ___ Thin Dark Surface (S9) (**LRR K, L**)
- ___ Iron-Manganese Masses (F12) (**LRR K, L, R**)
- ___ Piedmont Floodplain Soils (F19) (**MLRA 149B**)
- ___ Mesic Spodic (TA6) (**MLRA 144A, 145, 149B**)
- ___ Red Parent Material (TF2)
- ___ Very Shallow Dark Surface (TF12)
- ___ Other (Explain in Remarks)

[3] Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: NONE

Depth (inches): N/A

Hydric Soil Present? Yes _____ No X

Remarks:

APPEARS TO BE FILL MATERIAL

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1I09d

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: Amherst Central Park Town/County: Amherst/Erie County Sampling Date: 6.6.2023

Applicant/Owner: Town of Amherst State: New York Sampling Point: D32

Investigator(s): Scott Livingstone & Alex Molik Section, Township, Range: 68.01-1-1.2

Landform (hillslope, terrace, etc.): Floodplain Local relief (concave, convex, none): CONVEX Slope (%): 5

Subregion (LRR or MLRA) LRRL Lat: 42.984928 N Long: -78.769480 W Datum: NAD83

Soil Map Unit Name: SCHOHARIE SILT LOAM, 3-8% NW I classification: N/A

Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No ____ (If no, explain in Remarks.)

Are Vegetation ____, Soil ____, or Hydrology ____ significantly disturbed? Are "Normal Circumstances" present? Yes X No ____

Are Vegetation ____, Soil ____, or Hydrology ____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS : Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes ____	No X	**Is the Sampled Area within a Wetland?** Yes ____ No X
Hydric Soil Present?	Yes ____	No X	
Wetland Hydrology Present?	Yes ____	No X	If yes, optional Wetland Site ID: N/A

Remarks: (Explain alternative procedures here or in a separate report.)

UPLAND WOODS

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ___ Surface Water (A1)
- ___ High Water Table (A2)
- ___ Saturation (A3)
- ___ Water Marks (B1)
- ___ Sediment Deposits (B2)
- ___ Drift Deposits (B3)
- ___ Algal Mat or Crust (B4)
- ___ Iron Deposits (B5)
- ___ Inundation Visible on Aerial Imagery (B7)
- ___ Sparsely Vegetated Concave Surface (B8)
- ___ Water-Stained Leaves (B9)
- ___ Aquatic Fauna (B13)
- ___ Marl Deposits (B15)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres on Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ___ Surface Soil Cracks (B6)
- ___ Drainage Patterns (B10)
- ___ Moss Trim Lines (B16)
- ___ Dry-Season W ater Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Stunted or Stressed Plants (D1)
- ___ Geomorphic Position (D2)
- ___ Shallow Aquitard (D3)
- ___ Microtopographic Relief (D4)
- ___ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present?	Yes ____	No X	Depth (inches): N/A
Water Table Present?	Yes ____	No X	Depth (inches): N/A
Saturation Present? (includes capillary fringe)	Yes ____	No X	Depth (inches): N/A

Wetland Hydrology Present? Yes ____ No X

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1109d

VEGETATION : Use scientific names of plants. Sampling Point: D32

Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status
1. Salix fragilis	15	Y	FAC
2. Fraxinus americana	10	Y	FACW
3.			
4.			
5.			
6.			
7.			
	25	= Total Cover	

Sapling/Shrub Stratum (Plot size: 15')			
1. Rhamnus cathartica	35	Y	FAC
2. Fraxinus americana	20	Y	FACW
3.			
4.			
5.			
6.			
7.			
	55	= Total Cover	

Herb Stratum (Plot size: 5')			
1. Ranunculus ficaria	50	Y	FACW
2. Parthenocissus quinquefolia	20	Y	FACU
3. Rhamnus cathartica	10	N	FAC
4. Ageratina altissima	10	N	FACU
5.			
6.			
7.			
8.			
9.			
10.			
11.			
12.			
	90	= Total Cover	

Woody Vine Stratum (Plot size: 30')			
1. Vitis aestivalis	10	Y	FACU
2.			
3.			
4.			
	10	= Total Cover	

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 3 (A)

Total Number of Dominant Species Across All Strata: 7 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 42.9 (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1 =	0
FACW species	50	x 2 =	100
FAC species	60	x 3 =	180
FACU species	70	x 4 =	280
UPL species	0	x 5 =	0
Column Totals:	180 (A)		560 (B)

Prevalence Index = B/A = 3.11

Hydrophytic Vegetation Indicators:

___ 1 - Rapid Test for Hydrophytic Vegetation

___ 2 - Dominance Test is >50%

___ 3 - Prevalence Index is < 3.0[1]

___ 4 - Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)

___ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Definitions of Vegetation Strata:

Tree - Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft (1 m) tall.

Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vines - All woody vines greater than 3.28 ft in height.

Community Type: Successional shrubland

Hydrophytic Vegetation Present? Yes ___ No X

Remarks: (Include photo numbers here or on a separate sheet.)

Photo # P33 **Direction of Photo** NW

- shrubland alongside Creek

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1109d

SOIL

Sampling Point: D32

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-5	10YR4/2	100					SiL	
5-20	10YR4/4	100					SiL	

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Dark Surface (S7) **(LRR R, MLRA 149B)**
- ___ Polyvalue Below Surface (S8) **(LRR R, MLRA 149B)**
- ___ Thin Dark Surface (S9) **(LRR R, MLRA 149B)**
- ___ Loamy Mucky Mineral (F1) **(LRR K, L)**
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ___ 2 cm Muck (A10) **(LRR K, L, MLRA 149B)**
- ___ Coast Prairie Redox (A16) **(LRR K, L, R)**
- ___ 5 cm Mucky Peat or Peat (S3) **(LRR K, L, R)**
- ___ Dark Surface (S7) **(LRR K, L, M)**
- ___ Polyvalue Below Surface (S8) **(LRR K, L)**
- ___ Thin Dark Surface (S9) **(LRR K, L)**
- ___ Iron-Manganese Masses (F12) **(LRR K, L, R)**
- ___ Piedmont Floodplain Soils (F19) **(MLRA 149B)**
- ___ Mesic Spodic (TA6) **(MLRA 144A, 145, 149B)**
- ___ Red Parent Material (TF2)
- ___ Very Shallow Dark Surface (TF12)
- ___ Other (Explain in Remarks)

[3] Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: NONE

Depth (inches): N/A

Hydric Soil Present? Yes ____ No X

Remarks:

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1l09d

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: Amherst Central Park Town/County: Amherst/Erie County Sampling Date: 6.6.2023

Applicant/Owner: Town of Amherst State: New York Sampling Point: D33

Investigator(s): Scott Livingstone & Alex Molik Section, Township, Range: 68.01-1-1.2

Landform (hillslope, terrace, etc.): Fill PAD Local relief (concave, convex, none): CONVEX Slope (%): 2

Subregion (LRR or MLRA) LRRL Lat: 42.985460°N Long: -78.769780°W Datum: NAD83

Soil Map Unit Name: SCHOHARIE SILT LOAM, 3-8% NWI classification: N/A

Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No ____ (If no, explain in Remarks.)

Are Vegetation ____, Soil X, or Hydrology ____ significantly disturbed? Are "Normal Circumstances" present? Yes X No ____

Are Vegetation ____, Soil ____, or Hydrology ____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS : Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes ____	No X	**Is the Sampled Area within a Wetland?** Yes ____ No X
Hydric Soil Present?	Yes ____	No X	
Wetland Hydrology Present?	Yes ____	No X	If yes, optional Wetland Site ID: N/A

Remarks: (Explain alternative procedures here or in a separate report.)

UPLAND FILL PAD / SUCCESSIONAL FIELD

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ___ Surface Water (A1)
- ___ High Water Table (A2)
- ___ Saturation (A3)
- ___ Water Marks (B1)
- ___ Sediment Deposits (B2)
- ___ Drift Deposits (B3)
- ___ Algal Mat or Crust (B4)
- ___ Iron Deposits (B5)
- ___ Inundation Visible on Aerial Imagery (B7)
- ___ Sparsely Vegetated Concave Surface (B8)
- ___ Water-Stained Leaves (B9)
- ___ Aquatic Fauna (B13)
- ___ Marl Deposits (B15)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres on Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ___ Surface Soil Cracks (B6)
- ___ Drainage Patterns (B10)
- ___ Moss Trim Lines (B16)
- ___ Dry-Season 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: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1I09d

VEGETATION : Use scientific names of plants.

Sampling Point: D33

Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status
1.			
2.			
3.			
4.			
5.			
6.			
7.			
	0 = Total Cover		

Sapling/Shrub Stratum (Plot size: 15')			
1.			
2.			
3.			
4.			
5.			
6.			
7.			
	0 = Total Cover		

Herb Stratum (Plot size: 5')			
1. Poa pratensis	45	Y	FACU
2. Dactylis glomerata	25	Y	FACU
3. Lolium perenne	20	Y	FACU
4. Vicia cracca	10	N	NI
5. Phalaris arundinacea	5	N	FACW
6.			
7.			
8.			
9.			
10.			
11.			
12.			
	95 = Total Cover		

Woody Vine Stratum (Plot size: 30')			
1.			
2.			
3.			
4.			
	0 = Total Cover		

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 0 (A)

Total Number of Dominant Species Across All Strata: 2 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 0 (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1 =	0
FACW species	5	x 2 =	10
FAC species	0	x 3 =	0
FACU species	90	x 4 =	360
UPL species	0	x 5 =	0
Column Totals:	95 (A)		370 (B)

Prevalence Index = B/A = 3.89

Hydrophytic Vegetation Indicators:

___ 1 - Rapid Test for Hydrophytic Vegetation

___ 2 - Dominance Test is >50%

___ 3 - Prevalence Index is < 3.0[1]

___ 4 - Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)

___ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Definitions of Vegetation Strata:

Tree - Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft (1 m) tall.

Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vines - All woody vines greater than 3.28 ft in height.

Community Type: Successional old field

Hydrophytic Vegetation Present? Yes ___ No X

Remarks: (Include photo numbers here or on a separate sheet.)

Photo # P34 **Direction of Photo** N

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1l09d

SOIL

Sampling Point: D33

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-5	7.5YR 4/3	100					Sicl	Fill

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Dark Surface (S7) (**LRR R, MLRA 149B**)
- ___ Polyvalue Below Surface (S8) (**LRR R, MLRA 149B**)
- ___ Thin Dark Surface (S9) (**LRR R, MLRA 149B**)
- ___ Loamy Mucky Mineral (F1) (**LRR K, L**)
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ___ 2 cm Muck (A10) (**LRR K, L, MLRA 149B**)
- ___ Coast Prairie Redox (A16) (**LRR K, L, R**)
- ___ 5 cm Mucky Peat or Peat (S3) (**LRR K, L, R**)
- ___ Dark Surface (S7) (**LRR K, L, M**)
- ___ Polyvalue Below Surface (S8) (**LRR K, L**)
- ___ Thin Dark Surface (S9) (**LRR K, L**)
- ___ Iron-Manganese Masses (F12) (**LRR K, L, R**)
- ___ Piedmont Floodplain Soils (F19) (**MLRA 149B**)
- ___ Mesic Spodic (TA6) (**MLRA 144A, 145, 149B**)
- ___ Red Parent Material (TF2)
- ___ Very Shallow Dark Surface (TF12)
- ___ Other (Explain in Remarks)

[3] Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: HARD Fill

Depth (inches): 5"

Hydric Soil Present? Yes _____ No X

Remarks:

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1109d

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: Amherst Central Park Town/County: Amherst/Erie County Sampling Date: 6.6.2023

Applicant/Owner: Town of Amherst State: New York Sampling Point: A34

Investigator(s): Scott Livingstone & Alex Molik Section, Township, Range: 68.01-1-1.2

Landform (hillslope, terrace, etc.): Fill PAD Local relief (concave, convex, none): CONVEX Slope (%): 10

Subregion (LRR or MLRA) LRRL Lat: 42.98411°N Long: -78.76981°W Datum: NAD83

Soil Map Unit Name: SCHOHARIE SILT LOAM, 3-8% NWI classification: N/A

Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No ____ (If no, explain in Remarks.)

Are Vegetation ____, Soil X, or Hydrology ____ significantly disturbed? Are "Normal Circumstances" present? Yes X No ____

Are Vegetation ____, Soil ____, or Hydrology ____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS : Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present? Yes ____ No X

Hydric Soil Present? Yes ____ No X

Wetland Hydrology Present? Yes ____ No X

Is the Sampled Area within a Wetland? Yes ____ No X

If yes, optional Wetland Site ID: ____

Remarks: (Explain alternative procedures here or in a separate report.)

- UPLAND FILL PAD
- FORMER ISLAND GOLF GREEN

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: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1I09d

VEGETATION : Use scientific names of plants. Sampling Point: D34

Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status
1. Platanus occidentalis	15	Y	FACW
2.			
3.			
4.			
5.			
6.			
7.			
	15 = Total Cover		

Sapling/Shrub Stratum (Plot size: 15')			
1.			
2.			
3.			
4.			
5.			
6.			
7.			
	0 = Total Cover		

Herb Stratum (Plot size: 5')			
1. Dipsacus fullonum	70	Y	FACW
2. Dactylis glomerata	35	Y	FACU
3. Poa pratensis	15	N	FACU
4. Ranunculus ficaria	10	N	FACW
5.			
6.			
7.			
8.			
9.			
10.			
11.			
12.			
	120 = Total Cover		

Woody Vine Stratum (Plot size: 30')			
1.			
2.			
3.			
4.			
	0 = Total Cover		

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 1 (A)

Total Number of Dominant Species Across All Strata: 3 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 33 (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1 =	0
FACW species	25	x 2 =	50
FAC species	0	x 3 =	0
FACU species	110	x 4 =	440
UPL species	0	x 5 =	0
Column Totals:	135 (A)		490 (B)

Prevalence Index = B/A = 3.63

Hydrophytic Vegetation Indicators:

__ 1 - Rapid Test for Hydrophytic Vegetation

__ 2 - Dominance Test is >50%

__ 3 - Prevalence Index is < 3.0[1]

__ 4 - Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)

__ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Definitions of Vegetation Strata:

Tree - Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft (1 m) tall.

Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vines - All woody vines greater than 3.28 ft in height.

Community Type: Successional old field

Hydrophytic Vegetation Present? Yes ____ No X

Remarks: (Include photo numbers here or on a separate sheet.)

Photo # P35 **Direction of Photo** W

- old Island green from golf course

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: WH09d

SOIL

Sampling Point: D34

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-20	10YR 4/3	100					SiL	F:11

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Dark Surface (S7) (**LRR R, MLRA 149B**)
- ___ Polyvalue Below Surface (S8) (**LRR R, MLRA 149B**)
- ___ Thin Dark Surface (S9) (**LRR R, MLRA 149B**)
- ___ Loamy Mucky Mineral (F1) (**LRR K, L**)
- ___ Loamy Gleyed Matrix (F2)
- ___ 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: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1I09d

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: Amherst Central Park Town/County: Amherst/Erie County Sampling Date: 6·6·2023

Applicant/Owner: Town of Amherst State: New York Sampling Point: D35

Investigator(s): Scott Livingstone & Alex Molik Section, Township, Range: 68.01-1-1.2

Landform (hillslope, terrace, etc.): LAKE PLAIN Local relief (concave, convex, none): CONVEX Slope (%): 3

Subregion (LRR or MLRA) LRRL Lat: 42.96315°N Long: -78.77090°W Datum: NAD83

Soil Map Unit Name: Teel Silt Loam NWI classification: N/A

Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No ____ (If no, explain in Remarks.)

Are Vegetation ____, Soil ____, or Hydrology ____ significantly disturbed? Are "Normal Circumstances" present? Yes X No ____

Are Vegetation ____, Soil ____, or Hydrology ____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS : Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes ____	No X	**Is the Sampled Area within a Wetland?** Yes ____ No X
Hydric Soil Present?	Yes ____	No X	
Wetland Hydrology Present?	Yes ____	No X	If yes, optional Wetland Site ID: N/A

Remarks: (Explain alternative procedures here or in a separate report.)

UPLAND SUCCESSIONAL FIELD 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 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: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1I09d

VEGETATION : Use scientific names of plants.

Sampling Point: D35

Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status
1. Salix fragilis	15	Y	FACW
2. Acer Saccharum	10	Y	FACU
3.			
4.			
5.			
6.			
7.			
	25	= Total Cover	

Sapling/Shrub Stratum (Plot size: 15')			
1.			
2.			
3.			
4.			
5.			
6.			
7.			
	0	= Total Cover	

Herb Stratum (Plot size: 5')			
1. Dactylis glomerata	60	Y	FACU
2. Poa pratensis	40	Y	FACU
3. Trifolium repens	15	N	FACU
4. Toxicodendron radicans	5	N	FAC
5. Dipsacus fullonum	5	N	FACU
6.			
7.			
8.			
9.			
10.			
11.			
12.			
	125	= Total Cover	

Woody Vine Stratum (Plot size: 30')			
1.			
2.			
3.			
4.			
	0	= Total Cover	

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 1 (A)

Total Number of Dominant Species Across All Strata: 4 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 25 (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1 =	0
FACW species	0	x 2 =	0
FAC species	20	x 3 =	60
FACU species	130	x 4 =	520
UPL species	0	x 5 =	0
Column Totals:	150 (A)		580 (B)

Prevalence Index = B/A = 3.87

Hydrophytic Vegetation Indicators:

__ 1 - Rapid Test for Hydrophytic Vegetation

__ 2 - Dominance Test is >50%

__ 3 - Prevalence Index is < 3.0[1]

__ 4 - Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)

__ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Definitions of Vegetation Strata:

Tree - Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft (1 m) tall.

Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vines - All woody vines greater than 3.28 ft in height.

Community Type: Successional old field

Hydrophytic Vegetation Present? Yes ____ No X

Remarks: (Include photo numbers here or on a separate sheet.)

Photo # P37 **Direction of Photo** S

- Tree line within old field

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1109d

SOIL

Sampling Point: D35

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-7	10YR4/3	100					SiL	
7-20	10YR4/4	95	10YR5/6	5	C	M	SiL	

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Dark Surface (S7) (**LRR R, MLRA 149B**)
- ___ Polyvalue Below Surface (S8) (**LRR R, MLRA 149B**)
- ___ Thin Dark Surface (S9) (**LRR R, MLRA 149B**)
- ___ Loamy Mucky Mineral (F1) (**LRR K, L**)
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ 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: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1I09d

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: Amherst Central Park Town/County: Amherst/Erie County Sampling Date: 6.6.2023

Applicant/Owner: Town of Amherst State: New York Sampling Point: D36

Investigator(s): Scott Livingstone & Alex Molik Section, Township, Range: 68.01-1-1.2

Landform (hillslope, terrace, etc.): LAKE Plain Local relief (concave, convex, none): CONVEX Slope (%): 3

Subregion (LRR or MLRA) LRRL Lat: 42.98166°N Long: -78.77019°W Datum: NAD83

Soil Map Unit Name: Teel Silt loam NWI classification: N/A

Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No ____ (If no, explain in Remarks.)

Are Vegetation ____, Soil ____, or Hydrology ____ significantly disturbed? Are "Normal Circumstances" present? Yes X No ____

Are Vegetation ____, Soil ____, or Hydrology ____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS : Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes ____	No X	**Is the Sampled Area within a Wetland?** Yes ____ No X
Hydric Soil Present?	Yes ____	No X	
Wetland Hydrology Present?	Yes ____	No X	If yes, optional Wetland Site ID: N/A

Remarks: (Explain alternative procedures here or in a separate report.)

UPLAND SUCCESSIONAL FIELD 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 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: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1I09d

VEGETATION : Use scientific names of plants.

Sampling Point: D36

Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status
1. Pinus resinosa	15	Y	FACU
2. Acer Saccharum	5	Y	FACU
3.			
4.			
5.			
6.			
7.			
	20	= Total Cover	

Sapling/Shrub Stratum (Plot size: 15')			
1.			
2.			
3.			
4.			
5.			
6.			
7.			
	0	= Total Cover	

Herb Stratum (Plot size: 5')			
1. Dactylis glomerata	70	Y	FACU
2. Poa pratensis	35	Y	FACU
3. Dipsacus fullonum	15	N	FACU
4. Taraxacum officinale	5	N	FACU
5.			
6.			
7.			
8.			
9.			
10.			
11.			
12.			
	125	= Total Cover	

Woody Vine Stratum (Plot size: 30')			
1.			
2.			
3.			
4.			
	0	= Total Cover	

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 0 (A)

Total Number of Dominant Species Across All Strata: 4 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 0 (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1 =	0
FACW species	0	x 2 =	0
FAC species	0	x 3 =	0
FACU species	145	x 4 =	580
UPL species	0	x 5 =	0
Column Totals:	145 (A)		580 (B)

Prevalence Index = B/A = 4.0

Hydrophytic Vegetation Indicators:

___ 1 - Rapid Test for Hydrophytic Vegetation

___ 2 - Dominance Test is >50%

___ 3 - Prevalence Index is < 3.0[1]

___ 4 - Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)

___ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Definitions of Vegetation Strata:

Tree - Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft (1 m) tall.

Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vines - All woody vines greater than 3.28 ft in height.

Community Type: Successional old field

Hydrophytic Vegetation Present? Yes ___ No X

Remarks: (Include photo numbers here or on a separate sheet.)

Photo # P38 **Direction of Photo** S

- Tree line within old field

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1109d

SOIL

Sampling Point: D36

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-20	7.5YR 4/2	100					L	

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Dark Surface (S7) (**LRR R, MLRA 149B**)
- ___ Polyvalue Below Surface (S8) (**LRR R, MLRA 149B**)
- ___ Thin Dark Surface (S9) (**LRR R, MLRA 149B**)
- ___ Loamy Mucky Mineral (F1) (**LRR K, L**)
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ___ 2 cm Muck (A10) (**LRR K, L, MLRA 149B**)
- ___ Coast Prairie Redox (A16) (**LRR K, L, R**)
- ___ 5 cm Mucky Peat or Peat (S3) (**LRR K, L, R**)
- ___ Dark Surface (S7) (**LRR K, L, M**)
- ___ Polyvalue Below Surface (S8) (**LRR K, L**)
- ___ Thin Dark Surface (S9) (**LRR K, L**)
- ___ Iron-Manganese Masses (F12) (**LRR K, L, R**)
- ___ Piedmont Floodplain Soils (F19) (**MLRA 149B**)
- ___ Mesic Spodic (TA6) (**MLRA 144A, 145, 149B**)
- ___ Red Parent Material (TF2)
- ___ Very Shallow Dark Surface (TF12)
- ___ Other (Explain in Remarks)

[3] Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: NONE

Depth (inches): N/A

Hydric Soil Present? Yes _____ No X

Remarks:

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1I09d

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: Amherst Central Park Town/County: Amherst/Erie County Sampling Date: 6-6-2023

Applicant/Owner: Town of Amherst State: New York Sampling Point: D37

Investigator(s): Scott Livingstone & Alex Molik Section, Township, Range: 68.01-1-1.2

Landform (hillslope, terrace, etc.): FILL PAD Local relief (concave, convex, none): CONVEX Slope (%): 2

Subregion (LRR or MLRA) LRRL Lat: 42.981490°N Long: -78.779165°W Datum: NAD83

Soil Map Unit Name: CLAVERACK LOAMY FINE SAND, 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 X, or Hydrology ____ significantly disturbed? Are "Normal Circumstances" present? Yes X No ____

Are Vegetation ____, Soil ____, or Hydrology ____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS : Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes ____	No X	**Is the Sampled Area within a Wetland?** Yes ____ No X
Hydric Soil Present?	Yes ____	No X	
Wetland Hydrology Present?	Yes ____	No X	If yes, optional Wetland Site ID: N/A

Remarks: (Explain alternative procedures here or in a separate report.)

- UPLAND SUCCESSIONAL FIELD WITH TREES
- OLD FILL

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: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

VEGETATION : Use scientific names of plants.

Sampling Point: D37

Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status
1. Pinus resinosa	25	Y	FACU
2. Acer Saccharum	15	Y	FACU
3. Acer Saccharinum	5	N	FACW
4.			
5.			
6.			
7.			
	45	= Total Cover	

Sapling/Shrub Stratum (Plot size: 15')			
1.			
2.			
3.			
4.			
5.			
6.			
7.			
	0	= Total Cover	

Herb Stratum (Plot size: 5')			
1. Poa pratensis	55	Y	FACU
2. Dactylis glomerata	35	Y	FACU
3. Taraxacum officinale	15	N	FACU
4. Rhamnus cathartica	5	N	FAC
5.			
6.			
7.			
8.			
9.			
10.			
11.			
12.			
	110	= Total Cover	

Woody Vine Stratum (Plot size: 30')			
1.			
2.			
3.			
4.			
	0	= Total Cover	

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 0 (A)

Total Number of Dominant Species Across All Strata: 4 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 0 (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1 =	0
FACW species	5	x 2 =	10
FAC species	5	x 3 =	15
FACU species	145	x 4 =	580
UPL species	0	x 5 =	0
Column Totals:	155 (A)		605 (B)

Prevalence Index = B/A = 3.90

Hydrophytic Vegetation Indicators:

___ 1 - Rapid Test for Hydrophytic Vegetation

___ 2 - Dominance Test is >50%

___ 3 - Prevalence Index is < 3.0[1]

___ 4 - Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)

___ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Definitions of Vegetation Strata:

Tree - Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft (1 m) tall.

Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vines - All woody vines greater than 3.28 ft in height.

Community Type: Successional old field

Hydrophytic Vegetation Present? Yes ___ No X

Remarks: (Include photo numbers here or on a separate sheet.)

Photo # P39 **Direction of Photo** NW

- Tree line within old field

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1109d

SOIL

Sampling Point: D37

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-4	10YR 4/1	100					grl	Fill

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Dark Surface (S7) (**LRR R, MLRA 149B**)
- ___ Polyvalue Below Surface (S8) (**LRR R, MLRA 149B**)
- ___ Thin Dark Surface (S9) (**LRR R, MLRA 149B**)
- ___ Loamy Mucky Mineral (F1) (**LRR K, L**)
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ___ 2 cm Muck (A10) (**LRR K, L, MLRA 149B**)
- ___ Coast Prairie Redox (A16) (**LRR K, L, R**)
- ___ 5 cm Mucky Peat or Peat (S3) (**LRR K, L, R**)
- ___ Dark Surface (S7) (**LRR K, L, M**)
- ___ Polyvalue Below Surface (S8) (**LRR K, L**)
- ___ Thin Dark Surface (S9) (**LRR K, L**)
- ___ Iron-Manganese Masses (F12) (**LRR K, L, R**)
- ___ Piedmont Floodplain Soils (F19) (**MLRA 149B**)
- ___ Mesic Spodic (TA6) (**MLRA 144A, 145, 149B**)
- ___ Red Parent Material (TF2)
- ___ Very Shallow Dark Surface (TF12)
- ___ Other (Explain in Remarks)

[3] Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: HARD FILL

Depth (inches): 4"

Hydric Soil Present? Yes _____ No X

Remarks:

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1109d

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: Amherst Central Park Town/County: Amherst/Erie County Sampling Date: 6.6.2023

Applicant/Owner: Town of Amherst State: New York Sampling Point: D38

Investigator(s): Scott Livingstone & Alex Molik Section, Township, Range: 68.01-1-1.2

Landform (hillslope, terrace, etc.): LAKE PLAIN Local relief (concave, convex, none): CONVEX Slope (%): 3

Subregion (LRR or MLRA) LRRL Lat: 42.979882° N Long: -78.776000° W Datum: NAD83

Soil Map Unit Name: LAKEMONT SILT LOAM, 0-3% NW I classification: N/A

Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No _____ (If no, explain in Remarks.)

Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes X No _____

Are Vegetation _____, Soil _____, or Hydrology _____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS : Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes _____	No X	**Is the Sampled Area within a Wetland?** Yes _____ No X
Hydric Soil Present?	Yes _____	No X	
Wetland Hydrology Present?	Yes _____	No X	If yes, optional Wetland Site ID: N/A

Remarks: (Explain alternative procedures here or in a separate report.)

UPLAND SUCCESSIONAL FIELD 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 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: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1I09d

VEGETATION : Use scientific names of plants.

Sampling Point: D38

Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status
1. Fraxinus americana	15	Y	FACU
2.			
3.			
4.			
5.			
6.			
7.			
	15 = Total Cover		

Sapling/Shrub Stratum (Plot size: 15')			
1.			
2.			
3.			
4.			
5.			
6.			
7.			
	0 = Total Cover		

Herb Stratum (Plot size: 5')			
1. Poa pratensis	65	Y	FACU
2. Dactylis glomerata	25	Y	FACU
3. Lolium perenne	10	N	FACU
4. Taraxacum officinale	5	N	FACU
5.			
6.			
7.			
8.			
9.			
10.			
11.			
12.			
	105 = Total Cover		

Woody Vine Stratum (Plot size: 30')			
1.			
2.			
3.			
4.			
	0 = Total Cover		

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 0 (A)

Total Number of Dominant Species Across All Strata: 3 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 0 (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1 =	0
FACW species	0	x 2 =	0
FAC species	0	x 3 =	0
FACU species	120	x 4 =	480
UPL species	0	x 5 =	0
Column Totals:	120 (A)		480 (B)

Prevalence Index = B/A = 4.0

Hydrophytic Vegetation Indicators:

- ___ 1 - Rapid Test for Hydrophytic Vegetation
- ___ 2 - Dominance Test is >50%
- ___ 3 - Prevalence Index is < 3.0[1]
- ___ 4 - Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)
- ___ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Definitions of Vegetation Strata:

Tree - Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft (1 m) tall.

Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vines - All woody vines greater than 3.28 ft in height.

Community Type: Successional old field

Hydrophytic Vegetation Present? Yes ___ No b

Remarks: (Include photo numbers here or on a separate sheet.)

Photo # PH 0 **Direction of Photo** N

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1109d

SOIL

Sampling Point: A38

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-20	7.5YR 4/2	100					grl	

[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: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1I09d

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: Amherst Central Park Town/County: Amherst/Erie County Sampling Date: 6-6-2023

Applicant/Owner: Town of Amherst State: New York Sampling Point: D39

Investigator(s): Scott Livingstone & Alex Molik Section, Township, Range: 68.01-1-1.2

Landform (hillslope, terrace, etc.): POND Local relief (concave, convex, none): CONCAVE Slope (%): Ø

Subregion (LRR or MLRA) LRRL Lat: 42.97881°N Long: -78.77185°W Datum: NAD83

Soil Map Unit Name: CLAVERACK LOAMY FINE SAND, 0-3 NWI classification: POW

Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No ____ (If no, explain in Remarks.)

Are Vegetation ____, Soil ____, or Hydrology ____ significantly disturbed? Are "Normal Circumstances" present? Yes X No ____

Are Vegetation ____, Soil ____, or Hydrology ____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS : Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes X No ____	Is the Sampled Area within a Wetland?	Yes X No ____
Hydric Soil Present?	Yes X No ____		
Wetland Hydrology Present?	Yes X No ____	If yes, optional Wetland Site ID:	W12

Remarks: (Explain alternative procedures here or in a separate report.)

- W12-1 → W12-11 (CLOSED)
- FORMER GOLF COURSE POND

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- X Surface Water (A1)
- X High Water Table (A2)
- X Saturation (A3)
- ___ Water Marks (B1)
- ___ Sediment Deposits (B2)
- ___ Drift Deposits (B3)
- ___ Algal Mat or Crust (B4)
- ___ Iron Deposits (B5)
- X Inundation Visible on Aerial Imagery (B7)
- ___ Sparsely Vegetated Concave Surface (B8)
- X Water-Stained Leaves (B9)
- ___ Aquatic Fauna (B13)
- ___ Marl Deposits (B15)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres on Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ___ Surface Soil Cracks (B6)
- ___ Drainage Patterns (B10)
- ___ Moss Trim Lines (B16)
- ___ Dry-Season W ater Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Stunted or Stressed Plants (D1)
- ___ Geomorphic Position (D2)
- ___ Shallow Aquitard (D3)
- ___ Microtopographic Relief (D4)
- ___ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present?	Yes X No ____	Depth (inches):	4-24"
Water Table Present?	Yes X No ____	Depth (inches):	Inundated
Saturation Present? (includes capillary fringe)	Yes X No ____	Depth (inches):	Inundated

Wetland Hydrology Present? Yes X No ____

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1l09d

VEGETATION : Use scientific names of plants.

Sampling Point: D39

Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status
1.			
2.			
3.			
4.			
5.			
6.			
7.			
	0 = Total Cover		

Sapling/Shrub Stratum (Plot size: 15')			
1.			
2.			
3.			
4.			
5.			
6.			
7.			
	0 = Total Cover		

Herb Stratum (Plot size: 5')			
1. Sparganium americanum	30	Y	OBL
2. Schoenoplectus fluviatilis	25	Y	OBL
3. Lythrum salicaria	15	N	OBL
4. Carex tribuloides	10	N	FACW
5. Poa pratensis	10	N	FACU
6.			
7.			
8.			
9.			
10.			
11.			
12.			
	90 = Total Cover		

Woody Vine Stratum (Plot size: 30')			
1.			
2.			
3.			
4.			
	0 = Total Cover		

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 2 (A)

Total Number of Dominant Species Across All Strata: 2 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 100 (A/B)

Prevalence Index worksheet:

Total % Cover of:	Multiply by:
OBL species	x 1 =
FACW species	x 2 =
FAC species	x 3 =
FACU species	x 4 =
UPL species	x 5 =
Column Totals: (A)	(B)

Prevalence Index = B/A =

Hydrophytic Vegetation Indicators:

- ✓ 1 - Rapid Test for Hydrophytic Vegetation
- ___ 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: Golf Course Pond

Hydrophytic Vegetation Present? Yes ✓ No ___

Remarks: (Include photo numbers here or on a separate sheet.)

Photo # P41 **Direction of Photo** W

- Pond 4

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1109d

SOIL

Sampling Point: D39

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-1	10YR2/1	100					muck	
1-20	10YR2/1	97	10YR5/8	3	C	M	sicl	

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Dark Surface (S7) (**LRR R, MLRA 149B**)
- ___ Polyvalue Below Surface (S8) (**LRR R, MLRA 149B**)
- ___ Thin Dark Surface (S9) (**LRR R, MLRA 149B**)
- ___ Loamy Mucky Mineral (F1) (**LRR K, L**)
- ___ Loamy Gleyed Matrix (F2)
- X Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ___ 2 cm Muck (A10) (**LRR K, L, MLRA 149B**)
- ___ Coast Prairie Redox (A16) (**LRR K, L, R**)
- ___ 5 cm Mucky Peat or Peat (S3) (**LRR K, L, R**)
- ___ Dark Surface (S7) (**LRR K, L, M**)
- ___ Polyvalue Below Surface (S8) (**LRR K, L**)
- ___ Thin Dark Surface (S9) (**LRR K, L**)
- ___ Iron-Manganese Masses (F12) (**LRR K, L, R**)
- ___ Piedmont Floodplain Soils (F19) (**MLRA 149B**)
- ___ Mesic Spodic (TA6) (**MLRA 144A, 145, 149B**)
- ___ Red Parent Material (TF2)
- ___ Very Shallow Dark Surface (TF12)
- ___ Other (Explain in Remarks)

[3] Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: NONE

Depth (inches): N/A

Hydric Soil Present? Yes X No ___

Remarks:

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1109d

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: Amherst Central Park Town/County: Amherst/Erie County Sampling Date: 6.6.2023

Applicant/Owner: Town of Amherst State: New York Sampling Point: D40

Investigator(s): Scott Livingstone & Alex Molik Section, Township, Range: 68.01-1-1.2

Landform (hillslope, terrace, etc.): Hillslope Local relief (concave, convex, none): CONVEX Slope (%): 15

Subregion (LRR or MLRA) LRRL Lat: 42.973879°N Long: -78.791809W Datum: NAD83

Soil Map Unit Name: CLAVERACK LOAMY FINE SAND, 0-3 NW I classification: N/A

Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No ____ (If no, explain in Remarks.)

Are Vegetation ____, Soil X, or Hydrology ____ significantly disturbed? Are "Normal Circumstances" present? Yes X No ____

Are Vegetation ____, Soil ____, or Hydrology ____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS : Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes ____	No X	**Is the Sampled Area within a Wetland?** Yes ____ No X
Hydric Soil Present?	Yes ____	No X	
Wetland Hydrology Present?	Yes ____	No X	If yes, optional Wetland Site ID: N/A

Remarks: (Explain alternative procedures here or in a separate report.)

UPLAND SUCCESSIONAL FIELD OVER FILL

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: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

1.a

VEGETATION : Use scientific names of plants.

Sampling Point: D40

Tree Stratum (Plot size: 30')		Absolute % Cover	Dominant Species?	Indicator Status
1.				
2.				
3.				
4.				
5.				
6.				
7.				
		0	= Total Cover	

Sapling/Shrub Stratum (Plot size: 15')				
1.				
2.				
3.				
4.				
5.				
6.				
7.				
		0	= Total Cover	

Herb Stratum (Plot size: 5')				
1.	Poa pratensis	75	Y	FACW
2.	Lolium perenne	20	N	FACU
3.	Dactylis glomerata	15	N	FACU
4.	Taraxacum officinale	5	N	FACU
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
		115	= Total Cover	

Woody Vine Stratum (Plot size: 30')				
1.				
2.				
3.				
4.				
		0	= Total Cover	

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 0 (A)

Total Number of Dominant Species Across All Strata: 1 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 0 (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1 =	0
FACW species	0	x 2 =	0
FAC species	0	x 3 =	0
FACU species	115	x 4 =	460
UPL species	0	x 5 =	0
Column Totals:	115 (A)		460 (B)

Prevalence Index = B/A = 4.0

Hydrophytic Vegetation Indicators:

___ 1 - Rapid Test for Hydrophytic Vegetation

___ 2 - Dominance Test is >50%

___ 3 - Prevalence Index is < 3.0[1]

___ 4 - Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)

___ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Definitions of Vegetation Strata:

Tree - Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft (1 m) tall.

Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vines - All woody vines greater than 3.28 ft in height.

Community Type: Successional old field

Hydrophytic Vegetation Present? Yes ___ No X

Remarks: (Include photo numbers here or on a separate sheet.)

Photo # PH2 **Direction of Photo** N

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1109d

SOIL

Sampling Point: D40

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-9	10YR4/2	100					S,L	FILL

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Dark Surface (S7) (**LRR R, MLRA 149B**)
- ___ Polyvalue Below Surface (S8) (**LRR R, MLRA 149B**)
- ___ Thin Dark Surface (S9) (**LRR R, MLRA 149B**)
- ___ Loamy Mucky Mineral (F1) (**LRR K, L**)
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ___ 2 cm Muck (A10) (**LRR K, L, MLRA 149B**)
- ___ Coast Prairie Redox (A16) (**LRR K, L, R**)
- ___ 5 cm Mucky Peat or Peat (S3) (**LRR K, L, R**)
- ___ Dark Surface (S7) (**LRR K, L, M**)
- ___ Polyvalue Below Surface (S8) (**LRR K, L**)
- ___ Thin Dark Surface (S9) (**LRR K, L**)
- ___ Iron-Manganese Masses (F12) (**LRR K, L, R**)
- ___ Piedmont Floodplain Soils (F19) (**MLRA 149B**)
- ___ Mesic Spodic (TA6) (**MLRA 144A, 145, 149B**)
- ___ Red Parent Material (TF2)
- ___ Very Shallow Dark Surface (TF12)
- ___ Other (Explain in Remarks)

[3] Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: HARD FILL

Depth (inches): 9"

Hydric Soil Present? Yes _____ No X

Remarks:

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1I09d

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: Amherst Central Park Town/County: Amherst/Erie County Sampling Date: 6.6.2023

Applicant/Owner: Town of Amherst State: New York Sampling Point: D41

Investigator(s): Scott Livingstone & Alex Molik Section, Township, Range: 68.01-1-1.2

Landform (hillslope, terrace, etc.): Ditch Local relief (concave, convex, none): CONCAVE Slope (%): 1

Subregion (LRR or MLRA) LRRL Lat: 42.97863°N Long: -78.77340°W Datum: NAD83

Soil Map Unit Name: ODESSA SILT LOAM, 0-3% SLOPES NWI classification: PEM

Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No ____ (If no, explain in Remarks.)

Are Vegetation ____, Soil ____, or Hydrology ____ significantly disturbed? Are "Normal Circumstances" present? Yes X No ____

Are Vegetation ____, Soil ____, or Hydrology ____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS : Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes X No ____	**Is the Sampled Area within a Wetland?**	Yes X No ____
Hydric Soil Present?	Yes X No ____		
Wetland Hydrology Present?	Yes X No ____	If yes, optional Wetland Site ID:	W11

Remarks: (Explain alternative procedures here or in a separate report.)

* W11-1 → W11-24 (CLOSED)

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ___ Surface Water (A1)
- ___ High Water Table (A2)
- ___ Saturation (A3)
- X Water Marks (B1)
- ___ Sediment Deposits (B2)
- ___ Drift Deposits (B3)
- ___ Algal Mat or Crust (B4)
- ___ Iron Deposits (B5)
- ___ Inundation Visible on Aerial Imagery (B7)
- ___ Sparsely Vegetated Concave Surface (B8)
- X Water-Stained Leaves (B9)
- ___ Aquatic Fauna (B13)
- ___ Marl Deposits (B15)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres on Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ___ Surface Soil Cracks (B6)
- ___ Drainage Patterns (B10)
- ___ Moss Trim Lines (B16)
- ___ Dry-Season W ater Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Stunted or Stressed Plants (D1)
- ___ Geomorphic Position (D2)
- ___ Shallow Aquitard (D3)
- ___ Microtopographic Relief (D4)
- ___ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present?	Yes ____ No X	Depth (inches):	N/A
Water Table Present?	Yes ____ No X	Depth (inches):	N/A
Saturation Present? (includes capillary fringe)	Yes ____ No X	Depth (inches):	N/A

Wetland Hydrology Present? Yes X No ____

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1109d

VEGETATION : Use scientific names of plants.

Sampling Point: D41

Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status
1.			
2.			
3.			
4.			
5.			
6.			
7.			
	0 = Total Cover		

Sapling/Shrub Stratum (Plot size: 15')			
1.			
2.			
3.			
4.			
5.			
6.			
7.			
	0 = Total Cover		

Herb Stratum (Plot size: 5')			
1. Typha x glauca	70	Y	OBL
2. Poa pratensis	20	N	FACU
3. Juncus effusus	10	N	OBL
4. Carex tribuloides	5	N	FACW
5.			
6.			
7.			
8.			
9.			
10.			
11.			
12.			
	105 = Total Cover		

Woody Vine Stratum (Plot size: 30')			
1.			
2.			
3.			
4.			
	= Total Cover		

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW , or FAC: 1 (A)

Total Number of Dominant Species Across All Strata: 1 (B)

Percent of Dominant Species That Are OBL, FACW , or FAC: 100 (A/B)

Prevalence Index worksheet:

Total % Cover of:	Multiply by:
OBL species	x 1 =
FACW species	x 2 =
FAC species	x 3 =
FACU species	x 4 =
UPL species	x 5 =
Column Totals: (A)	(B)

Prevalence Index = B/A =

Hydrophytic Vegetation Indicators:

- X 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: Shallow Emergent Marsh

Hydrophytic Vegetation Present? Yes X No ___

Remarks: (Include photo numbers here or on a separate sheet.)

Photo # P43 **Direction of Photo** E

- Ditch channel

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1l09d

SOIL

Sampling Point: D41

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-8	7.5YR3/1	93	7.5YR5/6	7	C	PL	S.L	
8-20	7.5YR5/4	95	7.5YR5/6	5	C	M	SiC	

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Dark Surface (S7) (**LRR R, MLRA 149B**)
- ___ Polyvalue Below Surface (S8) (**LRR R, MLRA 149B**)
- ___ Thin Dark Surface (S9) (**LRR R, MLRA 149B**)
- ___ Loamy Mucky Mineral (F1) (**LRR K, L**)
- ___ Loamy Gleyed Matrix (F2)
- X Depleted Matrix (F3)
- X Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ___ 2 cm Muck (A10) (**LRR K, L, MLRA 149B**)
- ___ Coast Prairie Redox (A16) (**LRR K, L, R**)
- ___ 5 cm Mucky Peat or Peat (S3) (**LRR K, L, R**)
- ___ Dark Surface (S7) (**LRR K, L, M**)
- ___ Polyvalue Below Surface (S8) (**LRR K, L**)
- ___ Thin Dark Surface (S9) (**LRR K, L**)
- ___ Iron-Manganese Masses (F12) (**LRR K, L, R**)
- ___ Piedmont Floodplain Soils (F19) (**MLRA 149B**)
- ___ Mesic Spodic (TA6) (**MLRA 144A, 145, 149B**)
- ___ Red Parent Material (TF2)
- ___ Very Shallow Dark Surface (TF12)
- ___ Other (Explain in Remarks)

[3] Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: NONE

Depth (inches): N/A

Hydric Soil Present? Yes X No ___

Remarks:

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1I09d

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: Amherst Central Park Town/County: Amherst/Erie County Sampling Date: 6.6.2023

Applicant/Owner: Town of Amherst State: New York Sampling Point: D42

Investigator(s): Scott Livingstone & Alex Molik Section, Township, Range: 68.01-1-1.2

Landform (hillslope, terrace, etc.): LAKE Plain Local relief (concave, convex, none): CONVEX Slope (%): 3

Subregion (LRR or MLRA) LRRL Lat: 42.97874 Long: -78.77333°W Datum: NAD83

Soil Map Unit Name: ODESSA SILT LOAM, 0-3% SLOPES 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 SUCCESSIONAL FIELD 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 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: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: WTL09d

VEGETATION : Use scientific names of plants. Sampling Point: D42

Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status
1. Fraxinus americana	5	Y	FACW
2.			
3.			
4.			
5.			
6.			
7.			
	5	= Total Cover	

Sapling/Shrub Stratum (Plot size: 15')			
1.			
2.			
3.			
4.			
5.			
6.			
7.			
	0	= Total Cover	

Herb Stratum (Plot size: 5')			
1. Poa pratensis	50	Y	FACW
2. Dactylis glomerata	35	Y	FACU
3. Lolium perenne	10	N	FACU
4. Taraxacum officinale	5	N	FACU
5.			
6.			
7.			
8.			
9.			
10.			
11.			
12.			
	100	= Total Cover	

Woody Vine Stratum (Plot size: 30')			
1.			
2.			
3.			
4.			
	0	= Total Cover	

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 0 (A)

Total Number of Dominant Species Across All Strata: 2 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 0 (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1 =	0
FACW species	5	x 2 =	10
FAC species	0	x 3 =	0
FACU species	100	x 4 =	400
UPL species	0	x 5 =	0
Column Totals:	100 (A)		410 (B)

Prevalence Index = B/A = 4.10

Hydrophytic Vegetation Indicators:

___ 1 - Rapid Test for Hydrophytic Vegetation

___ 2 - Dominance Test is >50%

___ 3 - Prevalence Index is < 3.0[1]

___ 4 - Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)

___ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Definitions of Vegetation Strata:

Tree - Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft (1 m) tall.

Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vines - All woody vines greater than 3.28 ft in height.

Community Type: Successional old field

Hydrophytic Vegetation Present? Yes ___ No X

Remarks: (Include photo numbers here or on a separate sheet.)

Photo # P44 **Direction of Photo** N

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1109d

SOIL

Sampling Point: D42

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-6	7.5YR4/2	100					SiCl	
6-20	7.5YR3/4	100					SiC	

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Dark Surface (S7) (**LRR R, MLRA 149B**)
- ___ Polyvalue Below Surface (S8) (**LRR R, MLRA 149B**)
- ___ Thin Dark Surface (S9) (**LRR R, MLRA 149B**)
- ___ Loamy Mucky Mineral (F1) (**LRR K, L**)
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ___ 2 cm Muck (A10) (**LRR K, L, MLRA 149B**)
- ___ Coast Prairie Redox (A16) (**LRR K, L, R**)
- ___ 5 cm Mucky Peat or Peat (S3) (**LRR K, L, R**)
- ___ Dark Surface (S7) (**LRR K, L, M**)
- ___ Polyvalue Below Surface (S8) (**LRR K, L**)
- ___ Thin Dark Surface (S9) (**LRR K, L**)
- ___ Iron-Manganese Masses (F12) (**LRR K, L, R**)
- ___ Piedmont Floodplain Soils (F19) (**MLRA 149B**)
- ___ Mesic Spodic (TA6) (**MLRA 144A, 145, 149B**)
- ___ Red Parent Material (TF2)
- ___ Very Shallow Dark Surface (TF12)
- ___ Other (Explain in Remarks)

[3] Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: NONE

Depth (inches): N/A

Hydric Soil Present? Yes _____ No X

Remarks:

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1I09d

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: Amherst Central Park Town/County: Amherst/Erie County Sampling Date: 6·6·2023

Applicant/Owner: Town of Amherst State: New York Sampling Point: D43

Investigator(s): Scott Livingstone & Alex Molik Section, Township, Range: 68.01-1-1.2

Landform (hillslope, terrace, etc.): LAKE Plain Local relief (concave, convex, none): CONVEX Slope (%): 2

Subregion (LRR or MLRA) LRRL Lat: 42.98119°N Long: -78.77512°W Datum: NAD83

Soil Map Unit Name: COSAD LOAMY FINE SAND 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 SUCCESSIONAL FIELD 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: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1109d

SOIL

Sampling Point: D43

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-8	10YR 4/3	100					Sil	
8-20	10YR 5/4	80	10YR 5/6	10	C	M	Sic	
			10YR 5/1	10	D	M		

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Dark Surface (S7) (**LRR R, MLRA 149B**)
- ___ Polyvalue Below Surface (S8) (**LRR R, MLRA 149B**)
- ___ Thin Dark Surface (S9) (**LRR R, MLRA 149B**)
- ___ Loamy Mucky Mineral (F1) (**LRR K, L**)
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ___ 2 cm Muck (A10) (**LRR K, L, MLRA 149B**)
- ___ Coast Prairie Redox (A16) (**LRR K, L, R**)
- ___ 5 cm Mucky Peat or Peat (S3) (**LRR K, L, R**)
- ___ Dark Surface (S7) (**LRR K, L, M**)
- ___ Polyvalue Below Surface (S8) (**LRR K, L**)
- ___ Thin Dark Surface (S9) (**LRR K, L**)
- ___ Iron-Manganese Masses (F12) (**LRR K, L, R**)
- ___ Piedmont Floodplain Soils (F19) (**MLRA 149B**)
- ___ Mesic Spodic (TA6) (**MLRA 144A, 145, 149B**)
- ___ Red Parent Material (TF2)
- ___ Very Shallow Dark Surface (TF12)
- ___ Other (Explain in Remarks)

[3] Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: NONE

Depth (inches): N/A

Hydric Soil Present? Yes ____ No X

Remarks:

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1109d

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: Amherst Central Park Town/County: Amherst/Erie County Sampling Date: 6.6.2023

Applicant/Owner: Town of Amherst State: New York Sampling Point: D44

Investigator(s): Scott Livingstone & Alex Molik Section, Township, Range: 68.01-1-1.2

Landform (hillslope, terrace, etc.): LAKE Plain Local relief (concave, convex, none): NONE Slope (%): 1

Subregion (LRR or MLRA) LRRL Lat: 42.98246°N Long: -78.77528°W Datum: NAD83

Soil Map Unit Name: COSAD LOAMY FINE SAND 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 SUCCESSIONAL FIELD 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: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: Wilcox

VEGETATION : Use scientific names of plants. Sampling Point: D44

Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status
1. Acer Saccharinum	20	Y	FACW
2. Pinus resinosa	10	Y	FACU
3. Fraxinus americanum	5	N	FACU
4.			
5.			
6.			
7.			
	35	= Total Cover	

Sapling/Shrub Stratum (Plot size: 15')			
1.			
2.			
3.			
4.			
5.			
6.			
7.			
	0	= Total Cover	

Herb Stratum (Plot size: 5')			
1. Poa pratensis	75	Y	FACU
2. Dactylis glomerata	20	N	FACU
3. Lolium perenne	20	N	FACU
4. Cirsium arvense	15	N	FACU
5.			
6.			
7.			
8.			
9.			
10.			
11.			
12.			
	130	= Total Cover	

Woody Vine Stratum (Plot size: 30')			
1.			
2.			
3.			
4.			
	0	= Total Cover	

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 1 (A)

Total Number of Dominant Species Across All Strata: 3 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 33 (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1 =	0
FACW species	20	x 2 =	40
FAC species	0	x 3 =	0
FACU species	145	x 4 =	580
UPL species	0	x 5 =	0
Column Totals:	165 (A)		620 (B)

Prevalence Index = B/A = 3.76

Hydrophytic Vegetation Indicators:

___ 1 - Rapid Test for Hydrophytic Vegetation

___ 2 - Dominance Test is >50%

___ 3 - Prevalence Index is < 3.0[1]

___ 4 - Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)

___ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Definitions of Vegetation Strata:

Tree - Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft (1 m) tall.

Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vines - All woody vines greater than 3.28 ft in height.

Community Type: Successional old field

Hydrophytic Vegetation Present? Yes _____ No No

Remarks: (Include photo numbers here or on a separate sheet.)

Photo # P46 **Direction of Photo** N

Tree line within old field

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1109d

SOIL

Sampling Point: D44

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-6	7.5YR 4/2	100					S:cl	
6-20	7.5YR 5/4	100					S:c	

[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: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1I09d

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: Amherst Central Park Town/County: Amherst/Erie County Sampling Date: 6.6.2023

Applicant/Owner: Town of Amherst State: New York Sampling Point: D45

Investigator(s): Scott Livingstone & Alex Molik Section, Township, Range: 68.01-1-1.2

Landform (hillslope, terrace, etc.): LAKE Plain Local relief (concave, convex, none): CONVEX Slope (%): 2

Subregion (LRR or MLRA) LRRL Lat: 42.98111°N Long: -78.773690°N Datum: NAD83

Soil Map Unit Name: CLAVERACK LOAMY FINE SAND, 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 X	**Is the Sampled Area within a Wetland?** Yes _____ No X
Hydric Soil Present?	Yes _____	No X	
Wetland Hydrology Present?	Yes _____	No X	If yes, optional Wetland Site ID: N/A

Remarks: (Explain alternative procedures here or in a separate report.)

UPLAND SUCCESSIONAL FIELD 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: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: WI09d

VEGETATION : Use scientific names of plants. Sampling Point: D45

Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status
1. Acer saccharum	15	Y	FACU
2. Salix fragilis	10	Y	FAC
3. Acer rubrum	5	N	FAC
4.			
5.			
6.			
7.			
	30	= Total Cover	

Sapling/Shrub Stratum (Plot size: 15')			
1.			
2.			
3.			
4.			
5.			
6.			
7.			
	0	= Total Cover	

Herb Stratum (Plot size: 5')			
1. Poa pratensis	80	Y	FACU
2. Dactylis glomerata	15	N	FACU
3. Lolium petenne	10	N	FACU
4. Taraxacum officinale	10	N	FACU
5.			
6.			
7.			
8.			
9.			
10.			
11.			
12.			
	115	= Total Cover	

Woody Vine Stratum (Plot size: 30')			
1.			
2.			
3.			
4.			
	0	= Total Cover	

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 1 (A)

Total Number of Dominant Species Across All Strata: 3 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 33 (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1 =	0
FACW species	0	x 2 =	0
FAC species	15	x 3 =	45
FACU species	130	x 4 =	520
UPL species	0	x 5 =	0
Column Totals:	145 (A)		565 (B)

Prevalence Index = B/A = 3.90

Hydrophytic Vegetation Indicators:

- ___ 1 - Rapid Test for Hydrophytic Vegetation
- ___ 2 - Dominance Test is >50%
- ___ 3 - Prevalence Index is < 3.0[1]
- ___ 4 - Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)
- ___ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Definitions of Vegetation Strata:

Tree - Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft (1 m) tall.

Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vines - All woody vines greater than 3.28 ft in height.

Community Type: Successional - old field

Hydrophytic Vegetation Present? Yes ____ No ____

Remarks: (Include photo numbers here or on a separate sheet.)

Photo # PH7 **Direction of Photo** E

- Tree line within old field

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: WH09d

SOIL

Sampling Point: D45

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	10YR4/4	100					Sil	
7-20	10YR5/4	100					Sicl	

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Dark Surface (S7) (**LRR R, MLRA 149B**)
- ___ Polyvalue Below Surface (S8) (**LRR R, MLRA 149B**)
- ___ Thin Dark Surface (S9) (**LRR R, MLRA 149B**)
- ___ Loamy Mucky Mineral (F1) (**LRR K, L**)
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ___ 2 cm Muck (A10) (**LRR K, L, MLRA 149B**)
- ___ Coast Prairie Redox (A16) (**LRR K, L, R**)
- ___ 5 cm Mucky Peat or Peat (S3) (**LRR K, L, R**)
- ___ Dark Surface (S7) (**LRR K, L, M**)
- ___ Polyvalue Below Surface (S8) (**LRR K, L**)
- ___ Thin Dark Surface (S9) (**LRR K, L**)
- ___ Iron-Manganese Masses (F12) (**LRR K, L, R**)
- ___ Piedmont Floodplain Soils (F19) (**MLRA 149B**)
- ___ Mesic Spodic (TA6) (**MLRA 144A, 145, 149B**)
- ___ Red Parent Material (TF2)
- ___ Very Shallow Dark Surface (TF12)
- ___ Other (Explain in Remarks)

[3] Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: NONE

Depth (inches): N/A

Hydric Soil Present? Yes _____ No X

Remarks:

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1I09d

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: Amherst Central Park Town/County: Amherst/Erie County Sampling Date: 6.6.2023

Applicant/Owner: Town of Amherst State: New York Sampling Point: D46

Investigator(s): Scott Livingstone & Alex Molik Section, Township, Range: 68.01-1-1.2

Landform (hillslope, terrace, etc.): LAKE PLAIN Local relief (concave, convex, none): CONVEX Slope (%): 3

Subregion (LRR or MLRA) LRRL Lat: 42.982180°N Long: -78.773940°W Datum: NAD83

Soil Map Unit Name: COSAD LOAMY FINE SAND NW I classification: N/A

Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No ____ (If no, explain in Remarks.)

Are Vegetation ____, Soil ____, or Hydrology ____ significantly disturbed? Are "Normal Circumstances" present? Yes X No ____

Are Vegetation ____, Soil ____, or Hydrology ____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS : Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes ____	No X	**Is the Sampled Area within a Wetland?** Yes ____ No X
Hydric Soil Present?	Yes ____	No X	
Wetland Hydrology Present?	Yes ____	No X	If yes, optional Wetland Site ID: N/A

Remarks: (Explain alternative procedures here or in a separate report.)

UPLAND SUCCESSIONAL FIELD 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: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: WH09d

VEGETATION : Use scientific names of plants. Sampling Point: D46

Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status
1. Quercus palustris	30	Y	FACW
2.			
3.			
4.			
5.			
6.			
7.			
	30 = Total Cover		

Sapling/Shrub Stratum (Plot size: 15')			
1.			
2.			
3.			
4.			
5.			
6.			
7.			
	0 = Total Cover		

Herb Stratum (Plot size: 5')			
1. Poa pratensis	45	Y	FACU
2. Dactylis glomerata	20	N	FACU
3. Taraxacum officinale	20	N	FACU
4. Lotus corniculatus	15	N	FACU
5. Lolium perenne	10	N	FACU
6. Centaurea stoebe	10	N	NI
7.			
8.			
9.			
10.			
11.			
12.			
	120 = Total Cover		

Woody Vine Stratum (Plot size: 30')			
1.			
2.			
3.			
4.			
	0 = Total Cover		

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 1 (A)

Total Number of Dominant Species Across All Strata: 2 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 50 (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1 =	0
FACW species	30	x 2 =	60
FAC species	0	x 3 =	0
FACU species	110	x 4 =	440
UPL species	0	x 5 =	0
Column Totals:	140 (A)		500 (B)

Prevalence Index = B/A = 3.57

Hydrophytic Vegetation Indicators:

__ 1 - Rapid Test for Hydrophytic Vegetation

__ 2 - Dominance Test is >50%

__ 3 - Prevalence Index is < 3.0[1]

__ 4 - Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)

__ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Definitions of Vegetation Strata:

Tree - Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft (1 m) tall.

Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vines - All woody vines greater than 3.28 ft in height.

Community Type: Successional old field

Hydrophytic Vegetation Present? Yes ____ No X

Remarks: (Include photo numbers here or on a separate sheet.)

Photo # PH 8 **Direction of Photo** N

- Tree line within old field

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

SOIL

Sampling Point: D46

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-4	7.5YR 4/4	100					S-l	
4-20	7.5YR 5/6	100					S-cl	

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Dark Surface (S7) (**LRR R, MLRA 149B**)
- ___ Polyvalue Below Surface (S8) (**LRR R, MLRA 149B**)
- ___ Thin Dark Surface (S9) (**LRR R, MLRA 149B**)
- ___ Loamy Mucky Mineral (F1) (**LRR K, L**)
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ___ 2 cm Muck (A10) (**LRR K, L, MLRA 149B**)
- ___ Coast Prairie Redox (A16) (**LRR K, L, R**)
- ___ 5 cm Mucky Peat or Peat (S3) (**LRR K, L, R**)
- ___ Dark Surface (S7) (**LRR K, L, M**)
- ___ Polyvalue Below Surface (S8) (**LRR K, L**)
- ___ Thin Dark Surface (S9) (**LRR K, L**)
- ___ Iron-Manganese Masses (F12) (**LRR K, L, R**)
- ___ Piedmont Floodplain Soils (F19) (**MLRA 149B**)
- ___ Mesic Spodic (TA6) (**MLRA 144A, 145, 149B**)
- ___ Red Parent Material (TF2)
- ___ Very Shallow Dark Surface (TF12)
- ___ Other (Explain in Remarks)

[3] Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: NONE

Depth (inches): N/A

Hydric Soil Present? Yes _____ No X

Remarks:

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

AMHERST CENTRAL PARK - 772 NORTH FOREST ROAD

APPENDIX C - SITE PHOTOGRAPHS

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)



Photo 1 (6/5/23): Facing north. Depicts the scrub-shrub swamp community of W1at data point D1.



Photo 2 (6/5/23): Facing south. Depicts the successional old field community at data point D2.



Photo 3 (6/5/23): Facing south. Depicts the golf course pond of W2/Pond 1 at data point D3.



Photo 4 (6/5/23): Facing north. Depicts the successional old field community at data point D4.



Photo 5 (6/5/23): Facing south. Depicts the scrub-shrub swamp community of W3 at data point D5.



Photo 6 (6/5/23): Facing south. Depicts the successional old field community at data point D6.

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)



Photo 7 (6/5/23): Facing north. Depicts the mown lawn community of data point D7.



Photo 8 (6/5/23): Facing southeast. Depicts the successional old field community at data point D8.



Photo 9 (6/5/23): Facing north. Depicts the golf course pond community of W4/Pond 2 at data point D9.



Photo 10 (6/5/23): Facing southwest. Depicts the successional old field community at data point D10.



Photo 11 (6/5/23): Facing south. Depicts the successional old field community at data point D11.



Photo 12 (6/5/23): Facing east. Depicts the successional old field community at data point D12.

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)



Photo 13 (6/5/23): Facing south. Depicts the hardwood swamo community of W5 at data point D13.



Photo 14 (6/5/23): Facing north. Depicts the successional northern hardwood community at data point D14.



Photo 15 (6/5/23): Facing southeast. Depicts the hardwood swamp community of W5 at data point D15.



Photo 16 (6/5/23): Facing south. Depicts the successional old field community at data point D16.



Photo 17 (6/5/23): Facing southeast. Depicts the golf course pond community of W6/Pond 3 at data point D17.



Photo 18 (6/5/23): Facing southwest. Depicts the successional old field community at data point D18.

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)



Photo 19 (6/5/23): Facing south. Depicts the successional old field community of data point D19.



Photo 20 (6/5/23): Facing west. Depicts the scrub-shrub swamp community of W7 at data point D20.



Photo 21 (6/5/23): Facing southwest. Depicts the successional old field community at data point D21.



Photo 22 (6/5/23): Facing east. Depicts the scrub-shrub swamp community of W8 at data point D22.



Photo 23 (6/5/23): Facing southwest. Depicts the successional old field community at data point D23.



Photo 24 (6/5/23): Facing south. Depicts the successional old field community at data point D24.

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)



Photo 25 (6/5/23): Facing northwest. Depicts the scrub-shrub swamp community of data point D25.



Photo 26 (6/5/23): Facing south. Depicts the successional shrubland community at data point D26



Photo 27 (6/5/23): Facing south. Depicts the successional old field community at data point D27.



Photo 28 (6/5/23): Facing north. Depicts the successional old field community at data point D28.



Photo 29 (6/6/23): Facing west. Depicts the successional old field community at data point D29.



Photo 30 (6/6/23): Facing east. Depicts the shallow emergent marsh community of W10 at data point D30.

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)



Photo 31 (6/6/23): Facing southwest. Depicts the successional old field community at data point D31.



Photo 32 (6/6/23): Facing south. Depicts stream 1.



Photo 33 (6/6/23): Facing northwest. Depicts the successional shrubland community at data point D32.



Photo 34 (6/6/23): Facing north. Depicts the successional old field community at data point D33.



Photo 35 (6/6/23): Facing west. Depicts the successional old field community at data point D34.



Photo 36 (6/6/23): Facing south. Depicts stream 2.

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Photo 37 (6/6/23): Facing south. Depicts the sucessional old field community at data point D35.

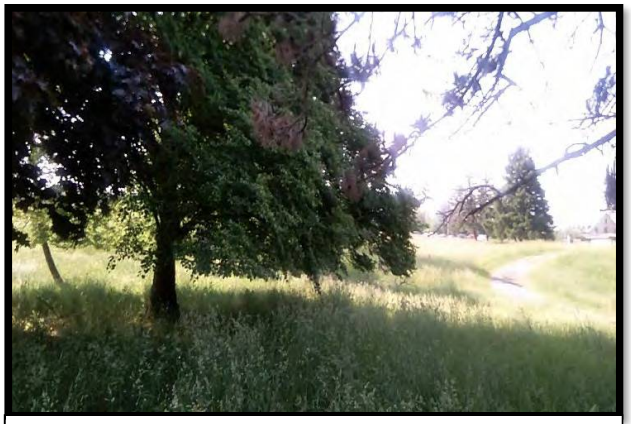

Photo 38 (6/6/23): Facing south. Depicts the successional old field community at data point D36.



Photo 39 (6/6/23): Facing northwest. Depicts the successional old field community at data point D37.



Photo 40 (6/6/23): Facing north. Depicts the successional old field community at data point D38.



Photo 41 (6/6/23): Facing west. Depicts the golf course pond community of W12/Pond 4 at data point D39.



Photo 42 (6/6/23): Facing north. Depicts the successional old field community at data point D40.

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Photo 43 (6/6/23): Facing east. Depicts the shallow emergent marsh community of W11/Stream 3 at data point D41.

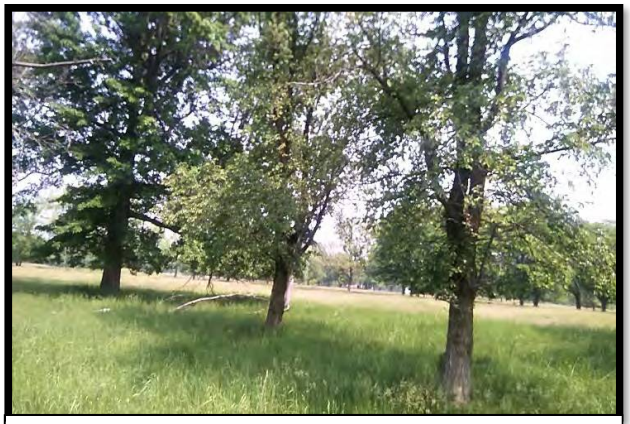

Photo 44 (6/6/23): Facing north. Depicts the successional old field community at data point D42.



Photo 45 (6/6/23): Facing south. Depicts the successional old field community at data point D43.



Photo 46 (6/6/23): Facing north. Depicts the successional old field community at data point D44.



Photo 47 (6/6/23): Facing southeast. Depicts the successional old field community at data point D45.



Photo 48 (6/6/23): Facing north. Depicts the successional old field community at data point D46.

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AMHERST CENTRAL PARK - 772 NORTH FOREST ROAD

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

APPENDIX D - REFERENCES

INFORMATIONAL REFERENCES USED BY EARTH DIMENSIONS INC.

Andrus, R.E. 1980. Sphagnaceae (Peat Moss Family) of New York State. Contributions to a Flora of New York State III, R.S. Mitchell (Ed.), Bulletin No. 442, New York State Museum, Albany, New York. 89 pp.

Benyus, J.M. 1989. The Field Guide to Wildlife Habitats of the Eastern United States. Fireside, Simon & Shuster, Inc., New York. 335 pp.

Britton, N.L., and H.A. Brown. 1970. An Illustrated Flora of the Northern United States and Canada, Volumes 1, 2, and 3. Dover Publications, Inc., New York. 2052 pp.

Brockman, C.F., R. Merrilees, and H.S. Zim. 1968. Trees of North America: A Field Guide to the Major Native and Introduced Species North of Mexico. Western Publishing, Inc. New York, New York. 280 pp.

Brown, L. 1979. Grasses: An Identification Guide. Peterson Nature Library. Houghton Mifflin Co., Boston. 240 pp.

Cobb, B. 1963. A Field Guide to the Ferns and Related Families. Houghton Mifflin Co., Boston. 281 pp.

Cowardin, L.M., V. Carter, F.C. Golet, and E.T. Laroe. 1979. Classification of Wetlands and Deep Water Habitats of the United States. U.S. Fish and Wildlife Service, Washington, D.C. FWS/OBS-79-31. 103 pp.

Eggers, S.D., and D.M. Reed. 1997. Wetland Plants and Plant Communities of Minnesota and Wisconsin. Second Edition. U.S. Army Corps of Engineers, St. Paul District, Minnesota. 263 pp.

Environmental Laboratory. 1987. Corps of Engineers Wetlands Delineation Manual. Technical Report Y-87-1, U.S. Army Corps of Engineers Waterways Experiment Station, Vicksburg, Mass. 100 pp. plus appendices.

Hotchkiss, N. 1970. Common Marsh Plants of the United States and Canada. U.S. Department of the Interior, Bureau of Sport Fisheries and Wildlife, Washington, D.C., Resource Publication 93.

Hurley, L.M. 1990. Field Guide to the Submerged Aquatic Vegetation of Chesapeake Bay. U.S. Fish and Wildlife Service, Chesapeake Bay Estuary Program, Annapolis, Maryland. 51 pp.

Knobel, E. 1977. Field Guide to the Grasses, Sedges, and Rushes of the United States. Dover publications, Inc., New York. 83 pp.

Little, E.L. 1980. The Audubon Society Field Guide to North American Trees (Eastern Region). Alfred A. Knopf, New York. 714 pp.

Magee, D.W. 1981. Freshwater Wetlands. University of Massachusetts Press, Clarence. 245 pp.

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Mitchell, R.S., and G.C. Tucker. 1997. Revised Checklist of New York State Plants. Contributions to a Flora of New York State IV, R.S. Mitchell (Ed.). Bulletin No. 490, New York State Museum, Albany, New York. 400 pp.

Munsell Color Chart. (Munsell Color 1975).

National Wetland Inventory Maps. U.S. Department of the Interior, Fish and Wildlife Service, National Wetland Inventory, St. Petersburg, Florida. http://wetlandsfws.er.usgs.gov

Niering, W.C., and N.C. Olmstead. 1979. The Audubon Society Field Guide to North American Wildflowers (Eastern Region). Alfred A. Knopf, New York. 887 pp.

New York State Code of Rules and Regulations (NYCRR). 1989. Protected Native Plants. NYCRR Part 193.3, June, 1989. New York State Department of Environmental Conservation.

New York Natural Heritage Program. 2002. New York Rare Plant Status List, February, 1989. S.M. Young, (Ed.), New York State Department of Environmental Conservation and The Nature Conservancy publication. 26 pp.

New York State Department of Environmental Conservation Freshwater Wetlands Maps, NYSDEC Environmental Resource Mapper, http://www.dec.ny.gov/imsmaps/ERM/viewer.htm

Newcomb, L. 1977. Newcomb's Wildflower Guide. Little, Brown and Co., Boston. 490 pp.

Ogden, E.C. 1981. Field Guide to Northeastern Ferns. Contributions to a Flora of New York State III, R.S. Mitchell (Ed.), Bulletin No. 444, New York State Museum, Albany, New York. 122 pp.

Peattie, D.C. 1991. A Natural History of Trees of Eastern and North America. Houghton Mifflin Co., Boston. 606 pp.

Peterson, RT., and M. McKenny. 1968. A Field Guide to Wildflowers of Northeastern and Northcentral North America. Houghton Mifflin Co., Boston. 420 pp.

Petrides, G.A. 1972. A Field Guide to Trees and Shrubs. Houghton Mifflin Co., Boston. 428 pp.

Prescott, G.W. 1969. How to Know the Aquatic Plants. Second Edition. William C. Brown Co., Dubuque, Iowa. 171 pp.

Raynal, D.J., and D. J. Leopold. 1999. Landowner's Guide to State-Protected Plants of Forests in New York State. New York Center for Forestry Research and Development, SUNY-ESF, Syracuse, New York. 92pp.

Reed, Porter B. Jr. 1988. National List of Plant Species that Occur in Wetlands: Northeast (Region 1). U.S. Fish and Wildlife Service, Washington, D.C. Biol. Rept. 88 (26.1). 112 pp.

Reschke, C. 2002. Ecological Communities of New York State. New York Natural Heritage Program. NYSDEC, Latham, N.Y. (2nd Ed.) 136 pp.

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Soil Conservation Service. 1975. Soil Taxonomy: A Basic System of Soil Classification for Making and Interpreting Soil Surveys. U.S.D.A., Soil Conservation Service, U.S. Handbook 436.

Soil Conservation Service. 1988. New York Hydric Soils and Soils with Hydric Inclusions, revised July, 1988, Soil Conservation Service, Syracuse, New York, Technical Guide, Section II. 23 pp.

Simonds,R.L., and H.H. Tweedie. 1978. Wildflowers of the Great Lakes Region. Chicago Review Press, Chicago. 96 pp.

Symonds, G.W.D. 1958. The Tree Identification Book. Quill, New York. 272 pp.

Symonds, G.W.D. 1963. The Shrub Identification Book. William Morrow & Co., New York. 379 pp.

Tiner, R. W. Jr. 1988. A Field Guide to Nontidal Wetland Identification. Maryland Department of Natural Resources and U.S. Fish and Wildlife Service Cooperative Publication. Maryland Department of Natural Resources, Annapolis, Maryland. 283 pp. + 198 color plates.

United States Department and Agriculture & the Natural Resources Conservation Service (USDA, NRCS).Soil Conservation Service Soil Survey of Erie County, New York. U.S.D.A., Soil Conservation Service. 1986 http://websoilsurvey.nrcs.usda.gov/app/WebSoilSurvey.aspx

USDA, NRCS. 2009. The PLANTS Database (http://plants.usda.gov, 12/14/09). National Plant Data Center, Baton Rouge, LA 70874-4490 USA.

United States Geological Survey maps, Denver, Colorado. Buffalo NE Quadrangle.

U.S. Army Corps of Engineers. 2009. Interim Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Northcentral and Northeast Region, ed. J. S. Wakeley, R. W. Lichvar, and C. V. Noble. ERDC/EL TR-09-19. Vicksburg, MS: U.S. Army Engineer Research and Development Center.

U.S. Fish and Wildlife Service, A Wetlands and Deepwater Habitats Classification. May 3, 2002, http: //www.nwi.fws.gov/. June 16, 2002.

Zander, R.H., and G.J. Pierce. 1979. Flora of the Niagara Frontier Region. Bulletin of the Buffalo Society of Natural Sciences, Vol. 16 (Suppl. 2), Buffalo, New York. 110 pp

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AMHERST CENTRAL PARK - 772 NORTH FOREST ROAD

APPENDIX E – PROJECT CONTACT DETAILS

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

PROJECT CONTACT DETAILS

Wetland Personnel:

Soils and Hydrology Sampling
Scott Livingstone, Senior Soil Scientist
Earth Dimensions, Inc.
1091 Jamison Road
Elma, New York 14059
(716) 655-1717
slivingstone@earthdimensions.com

Vegetation Sampling
Alex Molik, Ecologist
Earth Dimensions, Inc.
1091 Jamison Road
Elma, New York 14059
(716) 655-1717
alex@earthdimensions.com

Report Preparation
Alex Molik, Ecologist
Earth Dimensions, Inc.
1091 Jamison Road
Elma, New York 14059
(716) 655-1717
alex@earthdimensions.com

Client Contact:

JEFFREY SZATKOWSKI
TOWN OF AMHERST PLANNING DEPARTMENT
5583 MAIN STREET
WILLIAMSVILLE, NEW YORK 14221
JSZATKOWSKI@AMHERST.NY.US
(716) 631-7051

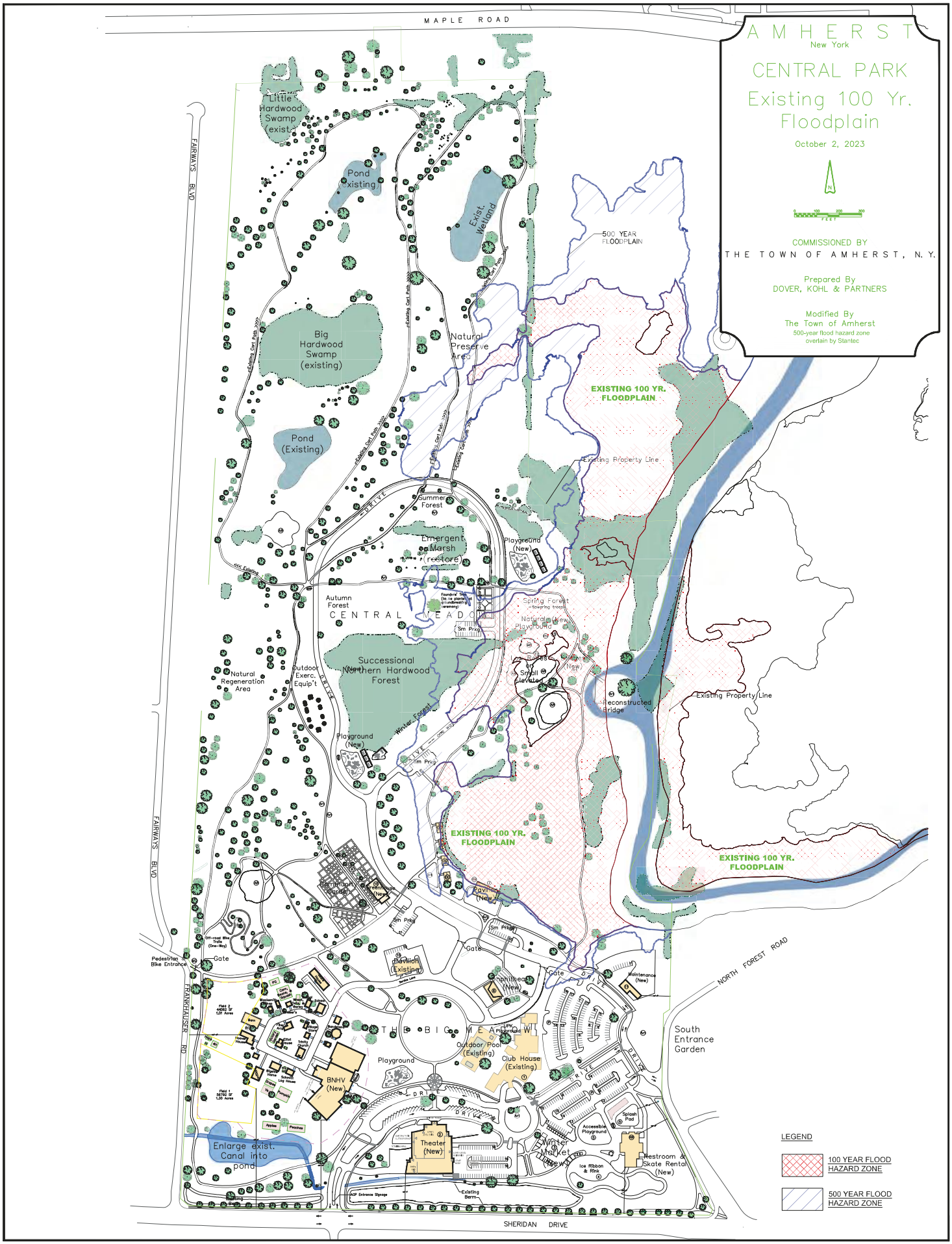
Landowner Contact (If different from Client):

Town of Amherst
5583 Main Street
Williamsville, New York 14221
(716) 631-7000

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Appendix D ACP Plan - Flood Hazard Zones

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)



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Appendix E Traffic Impact Study, October 2023

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

C&S Engineers, Inc.
141 Elm Street, Suite 100
Buffalo, New York 14203

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Traffic Impact Study

Amherst Central Park
Town of Amherst, Erie County, New York

Prepared for:
Town of Amherst
Municipal Building
5583 Main Road
Williamsville, New York 14221

October 2023

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Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Executive Summary

The existing location of the Westwood Country Club in the Town of Amherst has been proposed to be redeveloped into a 171-acre Town park. The proposed Amherst Central Park will have a variety of amenities for the community, some of which include trails, a community building, pavilions, playgrounds, theaters, an ice skating rink, a winter market, a museum, and more. The proposed site is in the Town of Amherst, Erie County, New York, between Sheridan Drive and Maple Road and Frankhauser Road and N. Forest Road. There are two proposed site driveways at the southern end on Sheridan Drive and N. Forest Road. This Traffic Impact Study is part of a larger Environmental Impact Study for the proposed park.

Through an existing conditions inventory, collision analysis, and level of service analysis, the study area intersections were evaluated for potential improvements and mitigation. The analysis considered existing and build conditions during the afternoon weekday peak and the midday Saturday peak. The selected peak hours were chosen for analysis due to the expected recreational use of the site. The site generated trips were calculated using the ITE Trip Generation Manual and assumptions made based on seating capacity and expected attendance to events. Proposed site generated traffic volumes were distributed using existing traffic patterns.

The existing LOS at the study intersections is acceptable for a congested roadway network with the worst level of service at a LOS D. The proposed park-related generated traffic minimally impacts the LOS at the study intersections. A traffic signal is not warranted at the proposed site driveway on Sheridan Drive; however, a signal should be considered due to the long delays and queue expected at the site driveway.

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1.0 Introduction

Study Purpose

The Town of Amherst has requested a Traffic Impact Study for the proposed Amherst Central Park. This park is proposed to contain a variety of amenities for public use, some of which include pedestrian and bike trails, a community building, pavilions, playgrounds, theaters, an ice skating rink, a winter market, and more. This Traffic Impact Study is part of a larger Environmental Impact Study for the proposed park. The primary purposes of this study are to identify and assess traffic generated by the proposed park, compare existing conditions of the nearby roadways to the expected fully built conditions and recommend mitigation measures required due to the traffic generated by the park development.

Study Area

The proposed site location is in the Town of Amherst, Erie County, New York, at the old Westwood Country Club site. The northern and southern site limits are Sheridan Drive and Maple Road. The eastern limit of the proposed park is a combination of N. Forest Road, Ellicott Creek, and the existing Audubon Par 3 Golf Course. The western site limits are along Frankhauser Road and Fairways Boulevard homes. There are two proposed site driveways to access Amherst Central Park. The main entrance to the proposed park is planned to be off of Sheridan Drive, across from Fenwick Road. The other proposed site driveway is located on N. Forest Road at the existing Westwood Country Club entrance driveway. The study area includes intersections between Harlem Road and N. Forest Road along Sheridan Drive. See Figure 1 for the Study Area Map.

Study Roadways:

1) Sheridan Drive (NYS Route 324)
2) N. Forest Road

Study Intersections:

1) Sheridan Drive (NYS Route 324) at Harlem Road (NYS Route 240)
2) Sheridan Drive (NYS Route 324) at I-290 Ramps
3) Sheridan Drive (NYS Route 324) at Frankhauser Road
4) Sheridan Drive (NYS Route 324) at Fenwick Road
5) Sheridan Drive (NYS Route 324) at N. Forest Road

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Figure 1: Study Area Map

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Methodology

Intersections

The study intersections were analyzed using SYNCHRO 11[1], which is a computer program that implements the methods presented in the 6th Edition Highway Capacity Manual[2]. SYNCHRO determines the **Level of Service (LOS)**, which is defined in terms of **Delay**.

> **Delay** is a measure of driver discomfort, frustration, fuel consumption and lost travel time. **Level of Service** criteria are stated in terms of the control delay per vehicle for a 15-minute analysis period and range from "A" to "F". Level of Service A is representative of a movement that is free flowing with minimal delay, while LOS F generally represents long delays. LOS D is generally considered acceptable in urban environments.

The ranges of delay for each level of service, as contained in the 6th Edition Highway Capacity Manual, are shown in Table 1.

Table 1: Intersection Level of Service Criteria

Level of Service (LOS)	Unsignalized Intersections	Signalized Intersections	
	Delay (sec)	Delay (sec)	v/c ratio*
A	0-10	0-10	<1.0
B	> 10-15	> 10-20	<1.0
C	> 15-25	> 20-35	<1.0
D	> 25-35	> 35-55	<1.0
E	> 35-50	> 55-80	<1.0
F	over 50	over 80	≥1.0

* If the volume to capacity ratio is 1.0 or greater, the LOS is an F

2.0 Existing Conditions

Roadway Network

The study area is along Sheridan Drive (NYS Route 324), which is an east/west roadway mainly with 2 travel lanes in each direction and a shared left turning lane with dedicated left turn lanes at intersections. Harlem Road (NYS Route 240) forms a T-junction with Sheridan Drive at the western end of the study area and N. Forest Road intersects Sheridan Drive at the eastern end of the study area. Interstate 290 contains an exit and entrance ramp onto Sheridan Drive. Additionally, there are

[1] Synchro Studio 11, Traffic Signal Optimization and Simulation Modeling Software, Version 10, Trafficware Corporation, Albany, California, 2020.
[2] Highway Capacity Manual, Transportation Research Board, National Research Council, Washington D.C., 2016.

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several minor intersections with Sheridan Drive such as: Sunrise Boulevard, Cranburne Lane, Frankhauser Road, and Fenwick Road. Apart from Frankhauser Road, these are all unsignalized intersections and primarily serve residential areas. Sheridan Drive primarily contains three travel lanes in each direction with a center turn lane from the western end of the study area to the area of the I-290 ramps. From the ramps, it runs with two travel lanes and a center turn lane to the eastern end of the study area. There are no existing bicycle accommodations along any road in the study area. Both Sheridan Drive and N. Forest Road have sidewalks along both sides of the street near the proposed site.

Table 2: Street Network Information

Street	Jurisdiction	Functional Classification	AADT	Speed Limit
Sheridan Drive (NYS Route 324)	NYSDOT	Urban Principal Arterial	36,681	45 mph
Harlem Road (NYS Route 240)	NYSDOT	Urban Minor Arterial	11,530	35 mph
Interstate 290 (WB entrance ramp)	NYSDOT	Urban Principal Arterial Interstate	8,301	-
Interstate 290 (WB exit ramp)	NYSDOT	Urban Principal Arterial Interstate	6,985	-
Sunrise Boulevard	Town of Amherst	Urban Local	-	30 mph
Cranburne Lane	Town of Amherst	Urban Local	-	30 mph
Frankhauser Road	Town of Amherst	Urban Local	-	30 mph
Fenwick Road	Town of Amherst	Urban Local	-	30 mph
North Forest Road	Erie County	Urban Principal Arterial & Urban Minor Arterial	9,583	35 mph

Capacity Analysis

Intersection Analysis

Turning movement counts (TMCs) were collected at the study area intersections through Tri-State Traffic Data. Data was collected on Thursday, September 21, 2023 from 3:00 PM to 6:00 PM and Saturday, September 23, 2023 from 11:00 AM to 2:00 PM. The study area weekday afternoon peak hour is 4:30 PM to 5:30 PM and the Saturday midday peak hour is 12:00 PM to 1:00 PM. Refer to Appendix A, Figure 4 for existing turning movement volumes. Table 3 below highlights the results of the level of service analysis for existing conditions.

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Table 3: Intersection LOS Analysis - Existing Conditions

Approach		Weekday PM			Saturday Midday		
		LOS[a] (Delay)[b]	V/C[c]	Queue[d]	LOS (Delay)	V/C	Queue
Sheridan Drive (NYS Route 324) at Harlem Road (NYS Route 240)							
Eastbound	*Thru*	D (37.9)	0.54	515	C (26.6)	0.35	314
	Right	A (2.7)	0.29	51	A (2.1)	0.31	46
Westbound	*Left*	D (40.0)	0.32	76	C (32.8)	0.39	85
	Thru	A (3.8)	0.34	169	B (10.7)	0.25	267
Northbound	*Left*	**E (69.1)**	**0.48**	**131**	**E (75.0)**	**0.54**	**129**
	Right	A (7.7)	0.67	96	A (4.6)	0.46	46
	Intersection	C (20.7)	-	-	B (19.7)	-	-
Sheridan Drive (NYS Route 324) at I-290 Ramps							
Eastbound	*Left*	**E (63.1)**	**0.87**	**343**	C (26.6)	0.49	213
	Thru	C (26.1)	0.46	525	B (15.2)	0.26	305
Westbound	*Thru/Right*	C (21.0)	0.91	637	B (10.5)	0.37	176
Northbound	*Left*	D (42.3)	0.25	173	D (52.6)	0.40	197
	Left/Right	C (29.1)	0.34	174	B (10.3)	0.35	74
	Right	C (28.5)	0.33	162	A (7.7)	0.33	58
	Intersection	C (27.3)	-	-	B (15.5)	-	-
Sheridan Drive (NYS Route 324) at Frankhauser Road							
Eastbound	*Left*	A (1.6)	0.09	m3	A (1.0)	0.04	3
	Thru	A (6.6)	0.55	217	A (2.7)	0.36	101
Westbound	*Thru/Right*	A (2.2)	0.54	116	A (1.7)	0.34	66
Southbound	*Left*	**F (85.3)**	**0.49**	**106**	**F (84.1)**	**0.42**	**89**
	Right	C (25.5)	0.21	34	C (28.8)	0.17	29
	Intersection	A (5.9)	-	-	A (4.0)	-	-
Sheridan Drive (NYS Route 324) at Fenwick Road							
Westbound	*Left*	c (15.7)	0.04	0.1	b (11.3)	0.03	0.1
Northbound	*Left/Right*	**e (35.7)**	**0.23**	**0.9**	c (21.0)	0.16	0.6
	Intersection	n/a			n/a		

*lowercase letters signify the HCM 6th edition Stop Control methodology was used

a: level-of-service

b: delay is measured in seconds

c: volume to capacity ratio

d: 95th queue length, measured in feet (queue length of stop controlled intersections measured in number of vehicles)

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Table 3 continued

Approach		Weekday PM			Saturday Midday		
		LOS[a] (Delay)[b]	V/C[c]	Queue[d]	LOS (Delay)	V/C	Queue
Sheridan Drive (NYS Route 324) at N. Forest Road							
Eastbound	*Left*	**E (64.8)**	**0.87**	**#404**	A (9.7)	0.40	115
	Thru	D (36.1)	0.75	727	B (19.6)	0.43	419
	Right	B (17.5)	0.35	208	A (5.4)	0.11	75
Westbound	*Left*	D (39.6)	0.69	168	B (13.0)	0.32	84
	Thru/Right	D (50.1)	0.86	755	C (22.4)	0.40	352
Northbound	*Left*	D (52.3)	0.65	209	D (51.9)	0.38	131
	Thru	**E (73.7)**	**0.81**	**#485**	**E (74.9)**	**0.64**	**270**
	Right	A (8.1)	0.35	64	A (7.8)	0.31	40
Southbound	*Left*	D (40.1)	0.24	61	D (48.2)	0.22	70
	Thru	**E (68.8)**	**0.69**	**262**	**E (71.1)**	**0.51**	**147**
	Right	C (26.9)	0.54	148	B (14.1)	0.53	75
Intersection		D (45.6)	-	-	C (27.0)	-	-

Based on the level of service analysis, the study intersections are operating at an acceptable LOS (LOS D or better). There are some intersection movements that are experiencing poor levels of service (LOS E or F), these movements are on the minor streets and at left turn movements with high opposing volumes. It is common for minor streets and left turns to have poor levels of service to benefit the level of service on the mainline in high traffic volume areas.

Pedestrian Conditions

Sidewalks exist along both sides of Sheridan Drive for the entire length that is contained within the study area. Sidewalks are non-continuous along N. Forest Road. There are signalized crosswalks at the intersections of Sheridan Drive and Harlem Road, Sheridan Drive and Interstate 290 ramps, Sheridan Drive and Frankhauser Road, and Sheridan Drive and N. Forest Road. Marked crosswalks exist along Sheridan Drive at the intersections of Sunrise Boulevard, Cranburne Lane, and Fenwick Road. See **Figure 3** in **Appendix A** for the Pedestrian, Bicycle and Transit Map.

Bicycle Conditions

There is no existing infrastructure for bicycling in the study area.

Transit Conditions

There is an existing operating bus line of the Niagara Frontier Transportation Authority (NFTA) present along Sheridan Drive, the 49 East Amherst line. There are 4 Bus stops in the study area. They are located at the intersections of Frankhauser Road and N. Forest Road.

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Collision Analysis

A collision analysis was completed for the study area at signalized intersections along Sheridan Drive at Frankhauser Road and at N. Forest Road. There was a total of 79 collisions over a five-year period from January 2018 through December 2022 with 17 collisions at the Frankhauser Road intersection and 62 collisions at the N. Forest Road intersection. The most common type of collision was a rear end type, representing roughly half of all collisions. The listed cause for most of these collisions was following too closely. 39% of all collisions resulted in injuries. Detailed collision analyses are provided in Appendix B. Table 4 contains a summary of the predominant collision types at each intersection.

Table 4: Collision Analysis

Type of Collision	Number	Percentage
Sheridan Drive at Frankhauser Road		
Rear End	12	70%
Overtaking	0	0%
Right Angle	2	12%
Left Turn	2	12%
Other	1 (fixed object)	6%
Sheridan Drive at Fenwick Road		
Rear End	3	33%
Right Angle	4	44%
Other	2 (fixed object)	22%
Sheridan Drive at North Forest Road		
Rear End	29	47%
Overtaking	4	6%
Right Angle	10	16%
Left Turn	13	21%
Sideswipe	3	5%
Other	3 (fixed object)	5%

3.0 No Build Condition

Historical traffic data was reviewed within the study area; there was an overall decrease in traffic volumes from 2011 to 2019. Based on the GBNRTC's regional Travel Demand Model (TDM), projections of future trip production and attraction for the no build condition anticipates a status quo condition with a small reduction in traffic of 1% - 2% in the future. Any growth in the area is due to other proposed developments; no background growth rate is proposed to analyze the future no build condition.

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

4.0 Build Condition

Site Information

The site is proposed to contain a variety of amenities for public use, some of which include pedestrian and bike trails, a community building, pavilions, playgrounds, theaters, an ice skating rink, a winter market, a historic village, and more. The project site is bounded by Maple Road to the north, Sheridan Drive to the south and residential neighborhoods to the east and west. There are two proposed access points to the park, one at the existing Westwood Country Club driveway from N. Forest Road, and the other on Sheridan Drive at the intersection with Fenwick Road. Appendix A, Figure 2 contains the Amherst Central Park Planned Unit Development Conceptual Plan . The construction of this site is estimated to be a phased buildout with a phase one completion within the next 5 years and a phase 2 completion in the next 10 years.

Trip Generation

The proposed Amherst Central Park will consist of:

- 171-acre Park
- 44,500 SF Community Building
- 3,300 SF Amphitheater
- 31,600 SF Music Theater
- 25,000 SF Ice Skating Rink/Ribbon
- 5,000 SF Winter Market
- 52,200 SF Buffalo Niagara Heritage Village and Museum (relocated from northern Amherst)

A combination of the ITE's Trip Generation Manual, seating capacity assumptions based on architectural standards, and historic attendance data were used to determine trips for Amherst Central Park. It is unlikely that all facilities will be peaking and running events that coincide with one another. To not overestimate the trip generation, but also use a conservative approach, the major generators of the park were used to estimate the trip generation. Assumptions for the trip generation are as follows:

- Not all facilities will be at capacity or running programs and events at the same time on the same day
- The facilities that are expected to be the major generators were used for the trip generation (community building and music theater)
- The community building is expected to have a Universal Pre-Kindergarten (UPK) program. This program is expected to peak slightly earlier in the day from the PM peak of the street network, along with the music theater. Some trips were accounted for during the PM peak, to account for other community activities in the center, and late pick up/teacher departure for the UPK program.

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- It is assumed that the music theater will offer evening performances. Seat capacity for the music theater was estimated using architecture standards based on the square footage of the facility. Vehicle occupancy rate was assumed 2.3 attendees/vehicle based on ITE Standards.
- It is assumed that there will still be some background trips using other facilities in the park such as the playground, splashpad, trails, etc. These background trips are accounted for in the trip generation.
- It is assumed that the park will create the most trips during the PM Peak (4:30-5:30pm) and Saturday Midday Peak (12:00-1:00pm).

Trip generation for the PM Peak and Saturday Peak was calculated, and is outlined in Table 5 below.

Table 5: Trip Generation

Park Facility	ITE Land Use Code	PM Peak Trips			Saturday Midday/Peak Trips		
		Entering	Exiting	Total	Entering	Exiting	Total
Park	411 Public Park	18	15	33	33	34	61
Community Building	495 Recreational Community Center	31	35	66	26	22	48
Theater	N/A	70	17	87	70	17	87
Ice Rink/Ribbon	465 Ice Skating Rink	18	15	33	35	31	66
Peak Hour Trips		**137**	**82**	**219**	**165**	**97**	**262**

Trip Distribution

Trip distribution was based on existing traffic patterns in the study area. The main entrance of the park is proposed to be off of Sheridan Drive, across from Fenwick Road. It was assumed the majority of the trips (70%) will be entering and exiting from the main entrance, and 30% will use the entrance on N. Forest Road.

Sheridan Drive has an approximate 50% split of traffic distributed between eastbound and westbound for both peak hours. Therefore, the overall study area distribution is 50% coming to and from the east, and 50% coming to and from the west. The more localized distribution is traffic distributed between the I-290 ramps, Harlem Road, and N. Forest Road. See Appendix A, Figure 5 for the trip distribution in the study area.

Westwood Mix-Use Neighborhood TIS

The Westwood Mix-Use Neighborhood TIS was completed in 2017 by SRF Associates. The proposed site for this traffic study is the same site as Amherst Central Park. The proposed site development in the Westwood Mixed-Use Neighborhood included a variety of residential (single-family and multi-family) homes, office spaces, mixed-use commercial and residential buildings, a hotel, a senior living facility, a community center, and a public park. Trip generation competed for this study used ITE Trip Generation Manual, 9th Edition and the generation trips are shown in the following table.

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

The estimated trips generated by the proposed Amherst Central Park is less than the estimated trips generated by the previously proposed Westwood Mixed-Use Neighborhood. The impact to the nearby neighborhood and roadways by Amherst Central Park will be less than a proposed mixed-use development.

Table 6: Westwood Mixed-Use Neighborhood TIS Trip Generation

PARCEL	DESCRIPTION	SIZE	AM PEAK		PM PEAK	
			ENTER	EXIT	ENTER	EXIT
VII	Senior Housing	104 Units	7	14	14	12
VII	Assisted Living	200 Beds	18	10	19	25
I	Smaller Patio Homes	57 Units	6	13	12	12
IV	Multifamily Community Apartments	180 Units	18	74	76	41
II & III	Large Patio Homes (26) and Single Family Detached Housing (41)	67 Units	14	43	46	27
VI	Multi-family Building Apartments	89 Units	9	38	44	23
VI	Condominium Townhomes along Frankhauser Road	40 Units	4	21	19	9
VI	Hotel	130 Rooms	41	28	40	38
VI	Apartments	221 Units	22	90	90	49
VI	Commercial/Retail	166,000 SF	131	81	404	437
VI	Professional Office	264,800 SF	367	50	64	311
V	City Park	33 Acres of Land (6 Acres pond)	83	66	66	50
	Sub-total		***720***	***528***	***894***	***1034***
	Internal Trips		*-113*	*-101*	*-206*	*-238*
	Pass-by Trips		*0*	*0*	*-102*	*-98*
	Total New Trips		**607**	**427**	**586**	**698**

Capacity Analysis

Intersection Analysis

Refer to Appendix A Figure 7 for build turning movement volumes. Table 7 below highlights the results of the level of service analysis for build conditions compared to the existing conditions.

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Table 7: Intersection LOS Analysis Existing versus Build Condition

Approach		Weekday PM						Saturday Midday					
		Existing			Build			Existing			Build		
		LOS[a] (Delay)[b]	V/C[c]	Queue[d]	LOS[a] (Delay)[b]	V/C[c]	Queue[d]	LOS (Delay)	V/C	Queue	LOS[a] (Delay)[b]	V/C[c]	Queue[d]
Sheridan Drive (NYS Route 324) at Harlem Road (NYS Route 240)													
Eastbound	*Thru*	D (37.9)	0.54	515	D (37.8)	0.55	532	C (26.6)	0.35	314	C (28.2)	0.38	342
	Right	A (2.7)	0.29	51	A (2.6)	0.29	50	A (2.1)	0.31	46	A (2.4)	0.31	50
Westbound	*Left*	D (40.0)	0.32	76	D (39.8)	0.33	m77	C (32.8)	0.39	85	C (30.7)	0.38	89
	Thru	A (3.8)	0.34	169	A (3.9)	0.34	169	B (10.7)	0.25	267	A (7.6)	0.26	214
Northbound	*Left*	**E (69.1)**	**0.48**	**131**	**E (68.9)**	**0.48**	**131**	**E (75.0)**	**0.54**	**129**	**E (74.4)**	**0.54**	**129**
	Right	A (7.7)	0.67	96	A (7.9)	0.68	100	A (4.6)	0.46	46	A (4.5)	0.48	46
	Intersection	C (20.7)	-	-	C (20.7)	-	-	B (19.7)	-	-	B (19.0)	-	-
Sheridan Drive (NYS Route 324) at I-290 Ramps													
Eastbound	*Left*	**E (63.1)**	**0.87**	**343**	**E (62.9)**	**0.87**	**343**	C (26.6)	0.49	213	C (31.1)	0.54	210
	Thru	C (26.1)	0.46	525	C (26.6)	0.48	547	B (15.2)	0.26	305	B (20.0)	0.29	360
Westbound	*Thru/Right*	C (21.0)	0.91	637	C (21.8)	0.93	654	B (10.5)	0.37	176	B (12.2)	0.42	129
Northbound	*Left*	D (42.3)	0.25	173	D (42.3)	0.25	173	D (52.6)	0.40	197	D (47.0)	0.34	197
	Left/Right	C (29.1)	0.34	174	C (29.8)	0.35	182	B (10.3)	0.35	74	B (12.1)	0.33	93
	Right	C (28.5)	0.33	162	C (29.5)	0.34	172	A (7.7)	0.33	58	B (11.4)	0.32	83
	Intersection	C (27.3)	-	-	C (27.8)	-	-	B (15.5)	-	-	B (18.0)	-	-
Sheridan Drive (NYS Route 324) at Frankhauser Road													
Eastbound	*Left*	A (1.6)	0.09	m3	A (1.7)	0.09	m2	A (1.0)	0.04	3	A (1.0)	0.04	3
	Thru	A (6.6)	0.55	217	A (7.4)	0.58	232	A (2.7)	0.36	101	A (3.0)	0.38	123
Westbound	*Thru/Right*	A (2.2)	0.54	116	A (2.0)	0.55	124	A (1.7)	0.34	66	A (1.7)	0.35	73
Southbound	*Left*	**F (85.3)**	**0.49**	**106**	**F (85.3)**	**0.49**	**106**	**F (84.1)**	**0.42**	**89**	**F (84.1)**	**0.42**	**89**
	Right	C (25.5)	0.21	34	C (25.5)	0.21	34	C (28.8)	0.17	29	C (28.8)	0.17	29
	Intersection	A (5.9)	-	-	A (6.2)	-	-	A (4.0)	-	-	A (4.1)	-	-

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Table 7 continued

Approach		Weekday PM						Saturday Midday					
		Existing			Build			Existing			Build		
		LOS[a] (Delay)[b]	V/C[c]	Queue[d]	LOS[a] (Delay)[b]	V/C[c]	Queue[d]	LOS (Delay)	V/C	Queue	LOS[a] (Delay)[b]	V/C[c]	Queue[d]
Sheridan Drive (NYS Route 324) at Fenwick Road and Site Driveway 1													
Eastbound	*Left*	n/a			c (16.7)	0.20	0.7	n/a			B (11.5)	0.14	0.5
Westbound	*Left*	c (15.7)	0.04	0.1	c (15.7)	0.04	0.1	b (11.3)	0.03	0.1	B (11.3)	0.03	0.1
Northbound	*Left/Right*	**e (35.7)**	**0.23**	**0.9**	**f (1247.6)**	**2.53**	**5.2**	c (21.0)	0.16	0.6	**f (148.7)**	**0.70**	**3**
Southbound	*Left/Right*	n/a			**f (901.4)**	**2.30**	**7.5**	n/a			**f (86.2)**	**0.66**	**3.4**
	Intersection	n/a			n/a			n/a			n/a		
Sheridan Drive (NYS Route 324) at N. Forest Road													
Eastbound	*Left*	**E (64.8)**	**0.87**	**#404**	**E (68.2)**	**0.89**	**#402**	A (9.7)	0.40	115	A (9.8)	0.43	123
	Thru	D (36.1)	0.75	727	D (36.3)	0.77	733	B (19.6)	0.43	419	C (20.4)	0.45	454
	Right	B (17.5)	0.35	208	B (17.1)	0.36	201	A (5.4)	0.11	75	A (6.2)	0.12	83
Westbound	*Left*	D (39.6)	0.69	168	D (44.1)	0.71	177	B (13.0)	0.32	84	B (14.1)	0.34	88
	Thru/Right	D (50.1)	0.86	755	D (53.1)	0.89	#825	C (22.4)	0.40	352	C (24.3)	0.43	385
Northbound	*Left*	D (52.3)	0.65	209	D (52.9)	0.68	219	D (51.9)	0.38	131	D (50.5)	0.39	137
	Thru	**E (73.7)**	**0.81**	**#485**	**E (75.3)**	**0.84**	**#539**	**E (74.9)**	**0.64**	**270**	**E (74.7)**	**0.67**	**288**
	Right	A (8.1)	0.35	64	A (8.1)	0.35	65	A (7.8)	0.31	40	A (7.5)	0.30	40
Southbound	*Left*	D (40.1)	0.24	61	D (40.9)	0.28	69	D (48.2)	0.22	70	D (47.6)	0.26	80
	Thru	**E (68.8)**	**0.69**	**262**	**E (67.8)**	**0.68**	**267**	**E (71.1)**	**0.51**	**147**	**E (69.1)**	**0.50**	**151**
	Right	C (26.9)	0.54	148	C (26.4)	0.53	148	B (14.1)	0.53	75	B (15.6)	0.52	83
	Intersection	D (45.6)	-	-	D (47.0)	-	-	C (27.0)	-	-	C (28.1)	-	-

*lowercase letters signify the HCM 6th edition Stop Control methodology was used

a: level-of-service

b: delay is measured in seconds

c: volume to capacity ratio

d: 95th queue length, measured in feet (queue length of stop controlled intersections measured in number of vehicles)

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Based on the capacity analysis for the build condition, the proposed site has minor impacts on the level of service experienced at the study area intersections. Levels of service have remained the same at all the signalized intersections (LOS D or better). The intersection of Sheridan Drive and Fenwick Road is the location of a proposed site driveway. The addition of the site driveway and the added volume from the site have impacted the level of service for the movements at the intersection. The minor approaches at this intersection are operating at a LOS F for both the PM peak hour and the Saturday midday peak hour with long delays and queues.

5.0 Mitigation

Mitigation is not necessary for the existing signalized intersections in the study area; the proposed site has little impact on the levels of service at those intersections. Mitigation at the proposed site driveway on Sheridan Drive is recommended. A signal warrant analysis was conducted at the site driveway. Based on the analysis, the expected volumes at the intersection did not warrant a new traffic signal. It is recommended that a traffic signal still be considered at the Amherst Central Park driveway on Sheridan Drive due to the long delays and vehicle queues expected at the site driveway and at Fenwick Road located across from the driveway. Refer to **Appendix E** for the signal warrant analysis.

Providing multi-modal access to Amherst Central Park should also be considered given the residential nature of the area and proposed amenities at the park. Of particular concern is providing a safe crossing of Sheridan Drive from the neighborhood immediately south of the park. If the traffic signal is installed at the Amherst Central Park driveway on Sheridan Drive, pedestrian signals should be included across all four legs. If the signal is not installed, consideration should be given to a High Intensity Activated CrossWalK (HAWK) signal or Rectangular Rapid Flashing Beacon (RRFB) with a center refuge median.

Transit access can be improved to Amherst Central Park as well. Working with NFTA, a dedicated bus stop could be provided along Sheridan Drive at the (proposed) signalized intersection with the site driveway. If the traffic signal is not installed, a dedicated bus stop could be added within the Park.

6.0 Conclusion

The following are findings from this traffic impact study:

<u>Existing:</u>

- Intersections are operating at acceptable levels of service (LOS D or better) within the study area.
- The majority of collisions at intersections are rear ends.
- There are some multi-modal accommodations along Sheridan Drive in the study area. Bicycle accommodations are not present.

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Build:

- The proposed Amherst Central Park on the 171-acre lot is expected to generate 219 new trips during the Weekday PM Peak, and 262 new trips during the Saturday Midday Peak.
- The trips generated by the proposed park are less than trip generated by the formerly proposed Westwood Mixed-Use Neighborhood development based on the TIS completed in 2017.
- The proposed park development is expected to have minimal impact on operations within the study area.
- The proposed site driveway on Sheridan Drive is expected to experience a poor level of service (LOS F).

Mitigation:

- Warrant was not met for a new traffic signal at the proposed driveway on Sheridan Drive.
- It is recommended that a traffic signal still be considered at the proposed site driveway due to long delays and queues on the minor approaches.
- Multi-modal and Transit access to Amherst Central Park should be improved.

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Appendix A – Figures

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

AMHERST
New York

CENTRAL PARK
Concept Plan
October 2, 2023

COMMISSIONED BY
THE TOWN OF AMHERST, N.Y.

Prepared By
DOVER, KOHL & PARTNERS

Modified By
The Town of Amherst



LEGEND

UNIQUE FEATURES
1) Community Building (Former Club House)
2) Music Fare Theater
3) The Winter Market
4) Ice Ribbon + Ice Rink
5) Splash Pad + Inclusive Playground
6) Amphitheater
7) Lake Front Pavilion
8) Outdoor Exercise Equipment (10 Stations)
9) Community Gardens (can be any size)
10) Greenhouse
11) Maintenance Area
12) Low Ropes Course or suspended bridges
13) Sheltered Bus Stop (at South Entrance)
14) Buffalo Niagara Heritage Village (Relocated)
15) Multi-use Pavilion

Multiple Features
- (PG) Playground (Conventional Equipment)
- (PN) Playground (Natural)
- (RR) Restrooms
- (SH) Rooted Open Air Shelters
- (OC) Outdoor Classrooms
- (PA) Public Art / Sculpture Sites
- (BT) Off-road Bike Trails, 4-feet wide, dirt
- (AR) Accentuated Rise (mounded hills)
- (EG) Minor Entrance Gates
- (BRX) Bicycle Parking Racks (size to be determined)

Existing Deciduous
Existing Tree Canopy
Existing Water
Proposed Marsh / Water

Figure 2

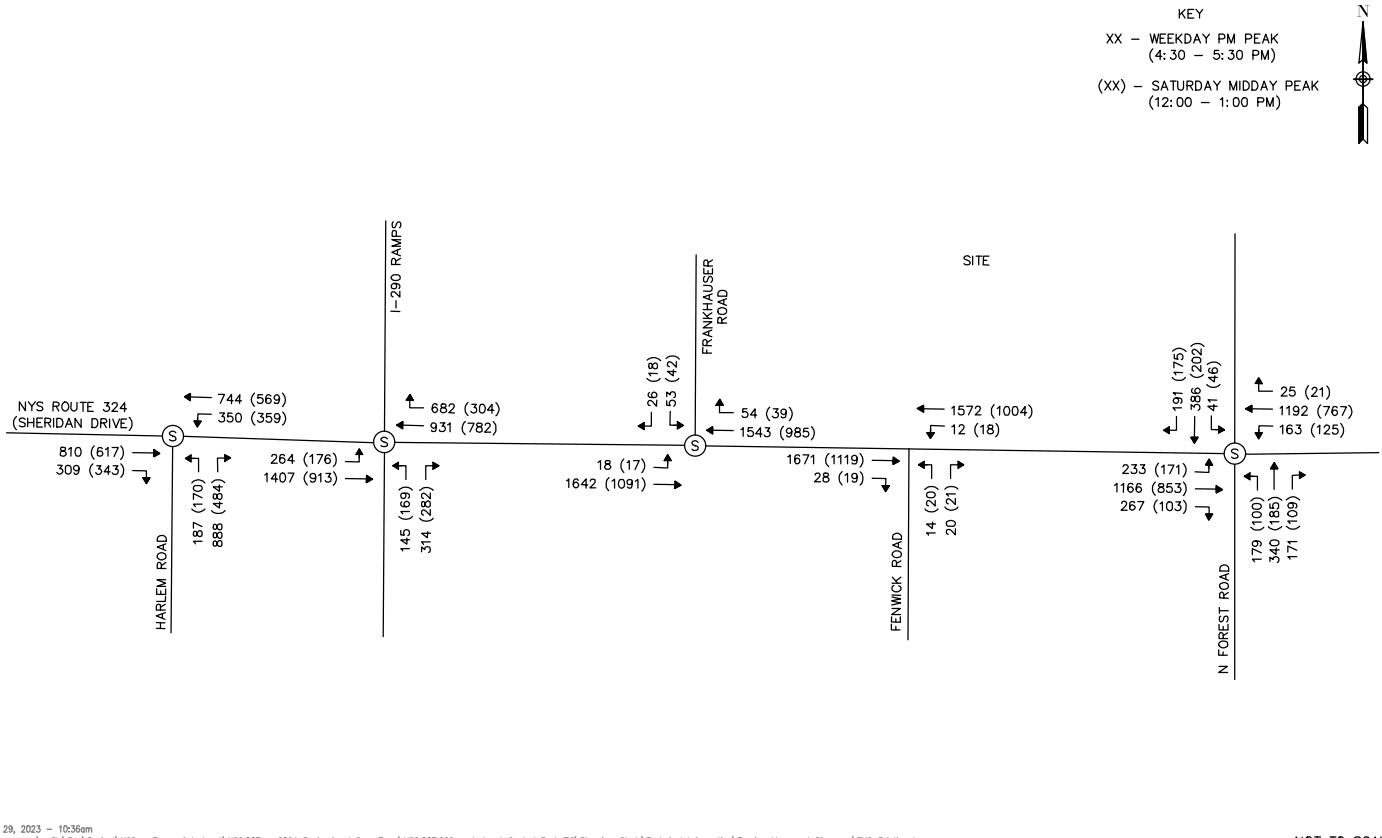
Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)



Pedestrian, Bicycle, and Transit Map
Amherst Central Park Traffic Impact Study
Town of Amherst, Erie County, New York

Figure 3

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)



Sep 29, 2023 – 10:36am
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C&S Engineers, Inc.
499 Col. Eileen Collins Blvd.
Syracuse, New York 13212
Phone: 315-455-2000
Fax: 315-455-9667
www.cscos.com

PROJECT NO:	H22007002
DATE:	SEPTEMBER 2023
DRAWN BY:	S. GALLAGHER
DESIGNED BY:	K. WESSEL
CHECKED BY:	K. WESSEL

NO ALTERATION PERMITTED HEREON EXCEPT AS PROVIDED UNDER SECTION 7209 SUBDIVISION 2 OF THE NEW YORK EDUCATION LAW

EXISTING (2023)
TURNING MOVEMENT DIAGRAM

AMHERST CENTRAL PARK
TRAFFIC IMPACT STUDY

TOWN OF AMHERST,
ERIE COUNTY

Figure 4

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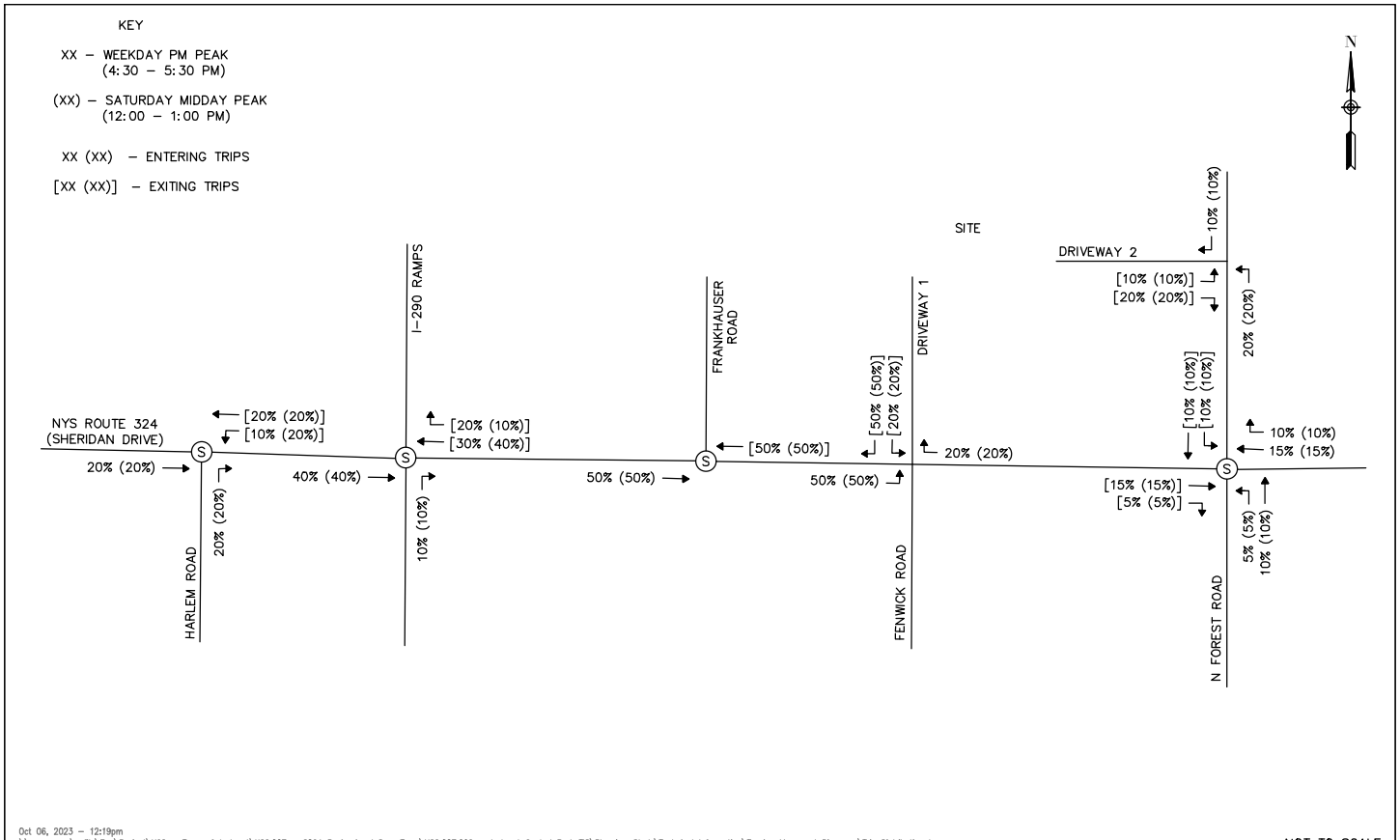

Oct 06, 2023 – 12:19pm
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NOT TO SCALE

C&S COMPANIES
C&S Engineers, Inc.
499 Col. Eileen Collins Blvd.
Syracuse, New York 13212
Phone: 315-455-2000
Fax: 315-455-9667
www.cscos.com

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DESIGNED BY:	K. WESSEL
CHECKED BY:	K. WESSEL

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TRIP DISTRIBUTION
TURNING MOVEMENT DIAGRAM

AMHERST CENTRAL PARK
TRAFFIC IMPACT STUDY

TOWN OF AMHERST,
ERIE COUNTY

Figure 5

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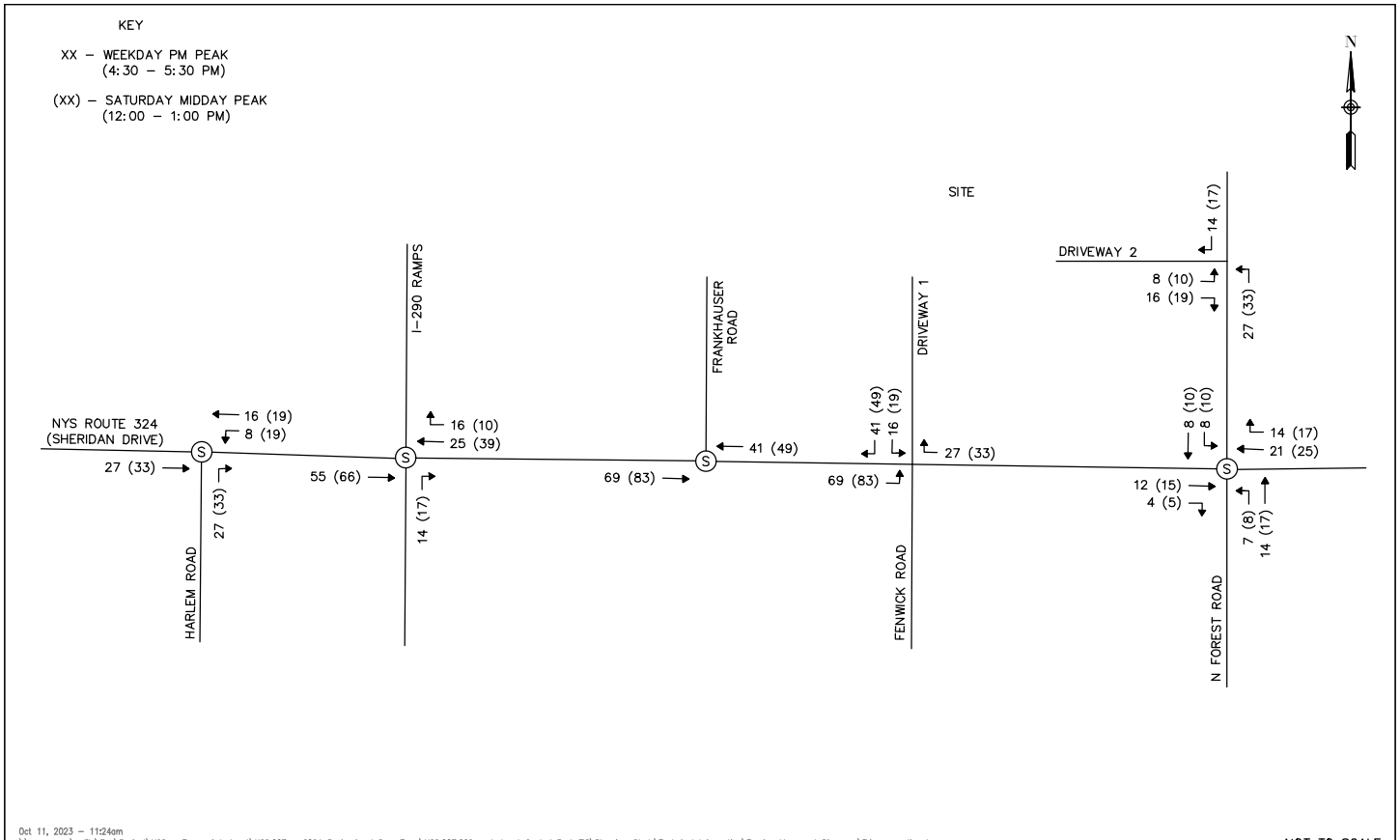

Oct 11, 2023 – 11:24am
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C&S Engineers, Inc.
499 Col. Eileen Collins Blvd.
Syracuse, New York 13212
Phone: 315-455-2000
Fax: 315-455-9667
www.cscos.com

PROJECT NO:	H22007002
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DRAWN BY:	S. GALLAGHER
DESIGNED BY:	K. WESSEL
CHECKED BY:	K. WESSEL

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TRIP GENERATION
TURNING MOVEMENT DIAGRAM

AMHERST CENTRAL PARK
TRAFFIC IMPACT STUDY

TOWN OF AMHERST,
ERIE COUNTY

Figure 6

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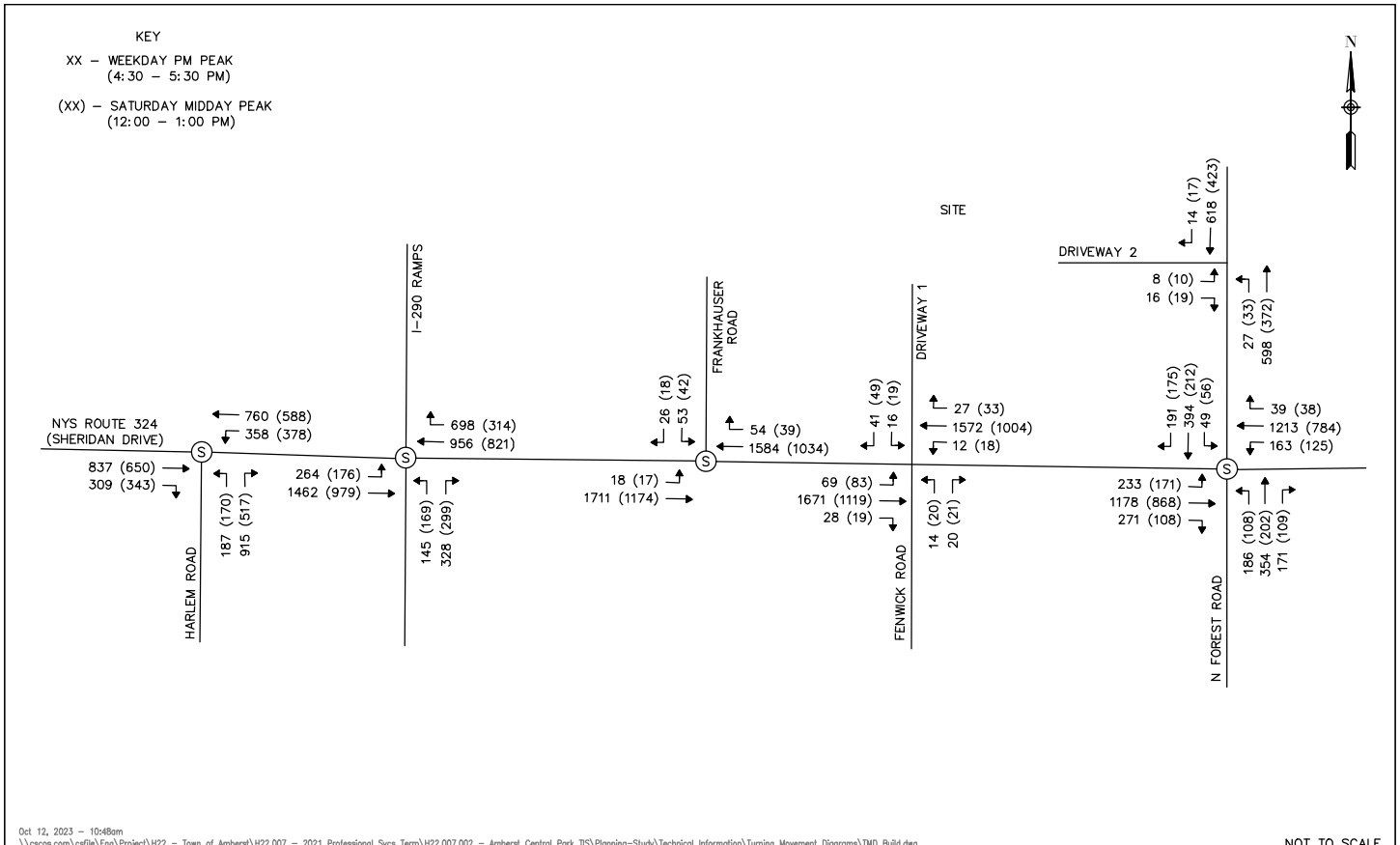

Oct 12, 2023 – 10:48am
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C&S Engineers, Inc.
499 Col. Eileen Collins Blvd.
Syracuse, New York 13212
Phone: 315-455-2000
Fax: 315-455-9667
www.cscos.com

PROJECT NO:	H22007002
DATE:	SEPTEMBER 2023
DRAWN BY:	S. GALLAGHER
DESIGNED BY:	K. WESSEL
CHECKED BY:	K. WESSEL

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BUILD (2028)
TURNING MOVEMENT DIAGRAM

AMHERST CENTRAL PARK
TRAFFIC IMPACT STUDY

TOWN OF AMHERST,
ERIE COUNTY

Figure 7

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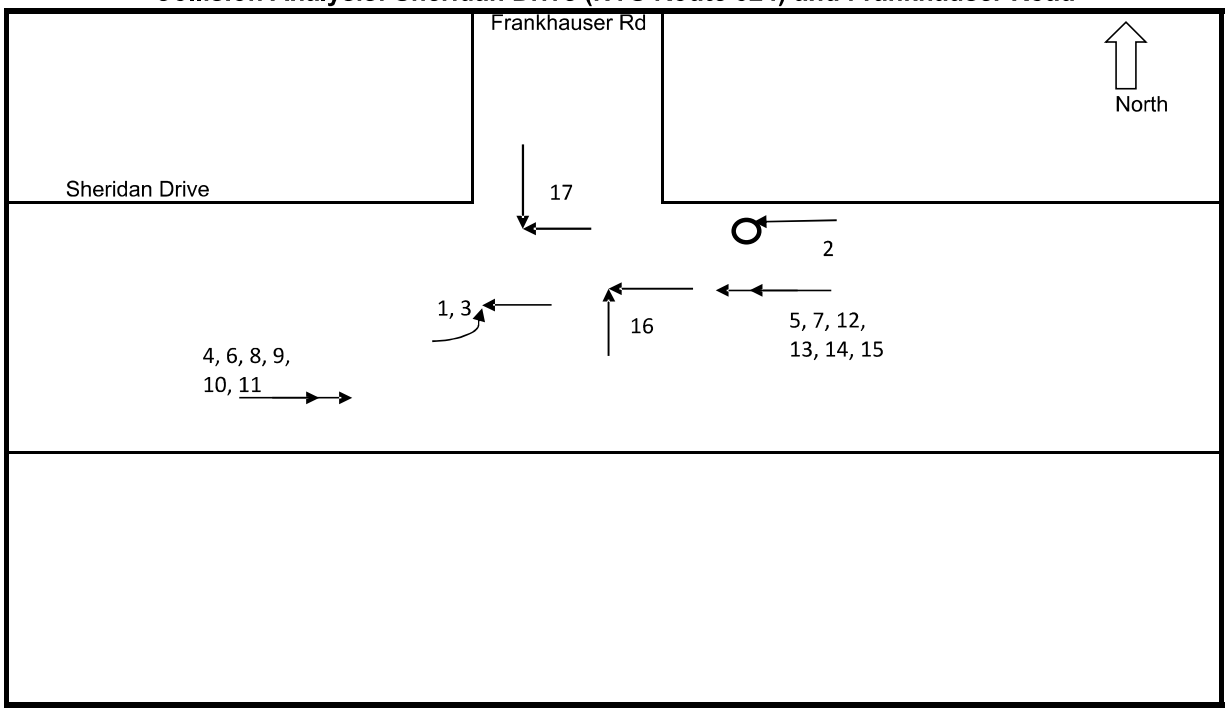
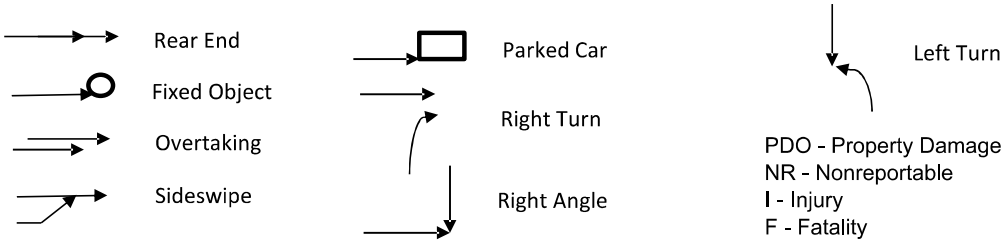
Appendix B – Collision Data

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project	Amherst Central Park TIS	Sheet	1 of 1
	Crash Analysis	File #	H22.007.002
Prepared by	A. Turner	Date	08/07/2023
Checked by	K. Wessel	Date	08/07/2023

Collision Analysis: Sheridan Drive (NYS Route 324) and Frankhauser Road



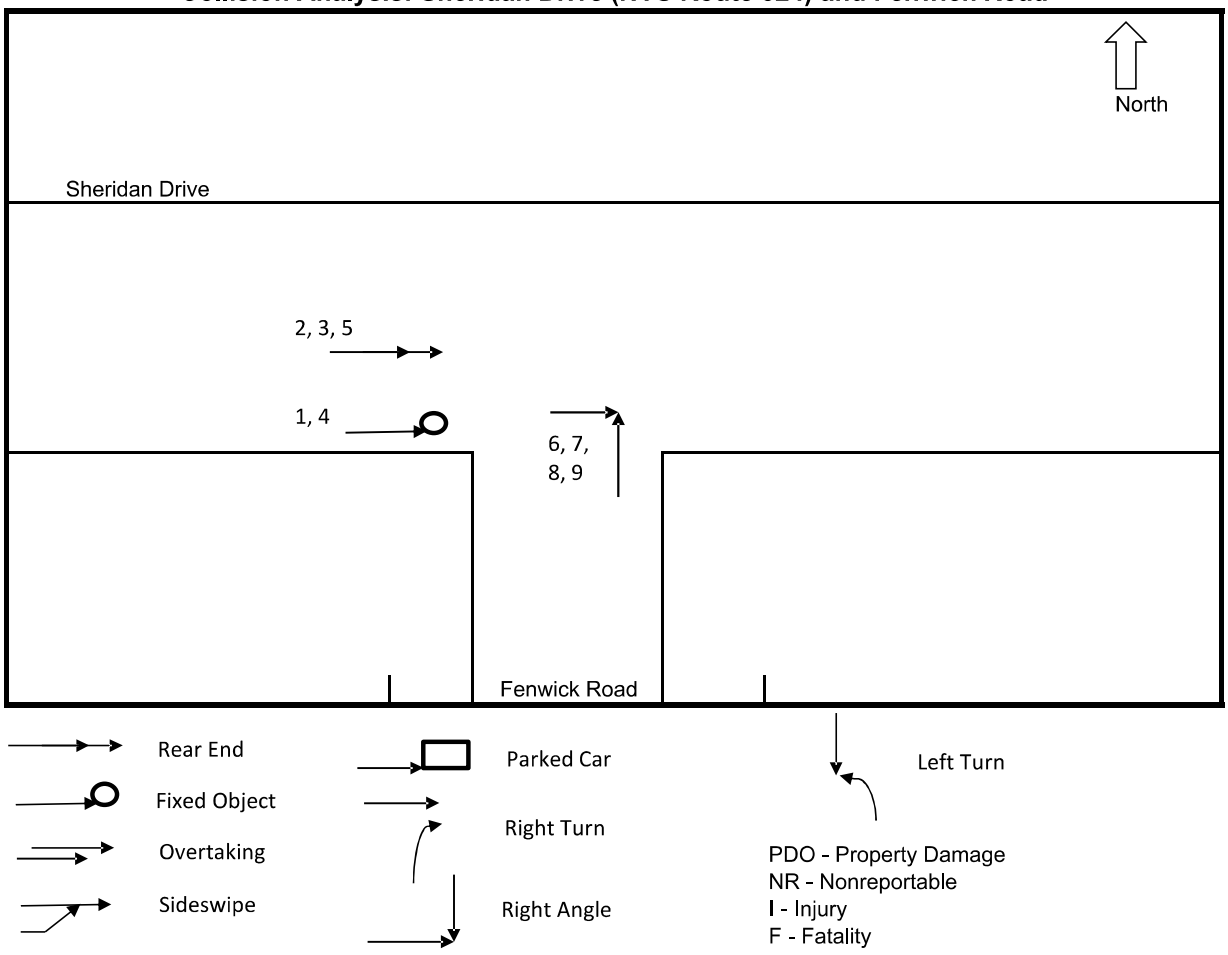


No.	Date	Time	Collision Type	Road Condition	Severity	Comment
1	3/29/2021	4:32 PM	Left Turn	Dry, Light	PDO	Traffic control devices disregarded
2	9/13/2020	11:05 AM	Fixed Object	Wet, Light	I	Driver inattention
3	9/17/2021	10:09 AM	Left Turn	Dry, Light	I	Traffic control devices disregarded
4	03/25/2022	11:51 AM	Rear End	Dry, Light	I	Following too closely
5	10/26/2021	3:32 PM	Rear End	Wet, Light	PDO	Cell phone (hand held), driver inattention
6	09/05/2019	11:47 AM	Rear End	Dry, Light	PDO	Following too closely
7	09/01/2019	1:01 PM	Rear End	Dry, Light	PDO	Unsafe speed
8	07/18/2019	5:32 PM	Rear End	Dry, Light	I	Following too closely
9	07/16/2019	5:28 PM	Rear End	Dry, Light	PDO	Following too closely, driver inattention
10	07/13/2019	8:57 AM	Rear End	Dry, Light	PDO	Unsafe lane change
11	03/22/2019	9:25 PM	Rear End	Wet, Dark	PDO	Following too closely
12	10/02/2018	12:02 PM	Rear End	Wet, Light	PDO	Following too closely
13	07/10/2018	8:37 PM	Rear End	Dry, Dark	I	Alcohol involvement, unsafe speed
14	04/05/2018	5:22 PM	Rear End	Wet, Light	PDO	Following too closely, unsafe speed
15	02/02/2018	12:35 PM	Rear End	Dry, Light	PDO	Unsafe speed, driver inattention
16	04/07/2022	2:36 PM	Right Angle	Dry, Light	PDO	Unsafe lane change, passing or lane usage
17	09/26/2020	5:35 PM	Right Angle	Dry, Light	I	Traffic control devices disregarded, driver

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project	Amherst Central Park TIS	Sheet	1 of 1
	Crash Analysis	File #	H22.007.002
Prepared by	A. Turner	Date	08/07/2023
Checked by	K. Wessel	Date	08/07/2023

Collision Analysis: Sheridan Drive (NYS Route 324) and Fenwick Road

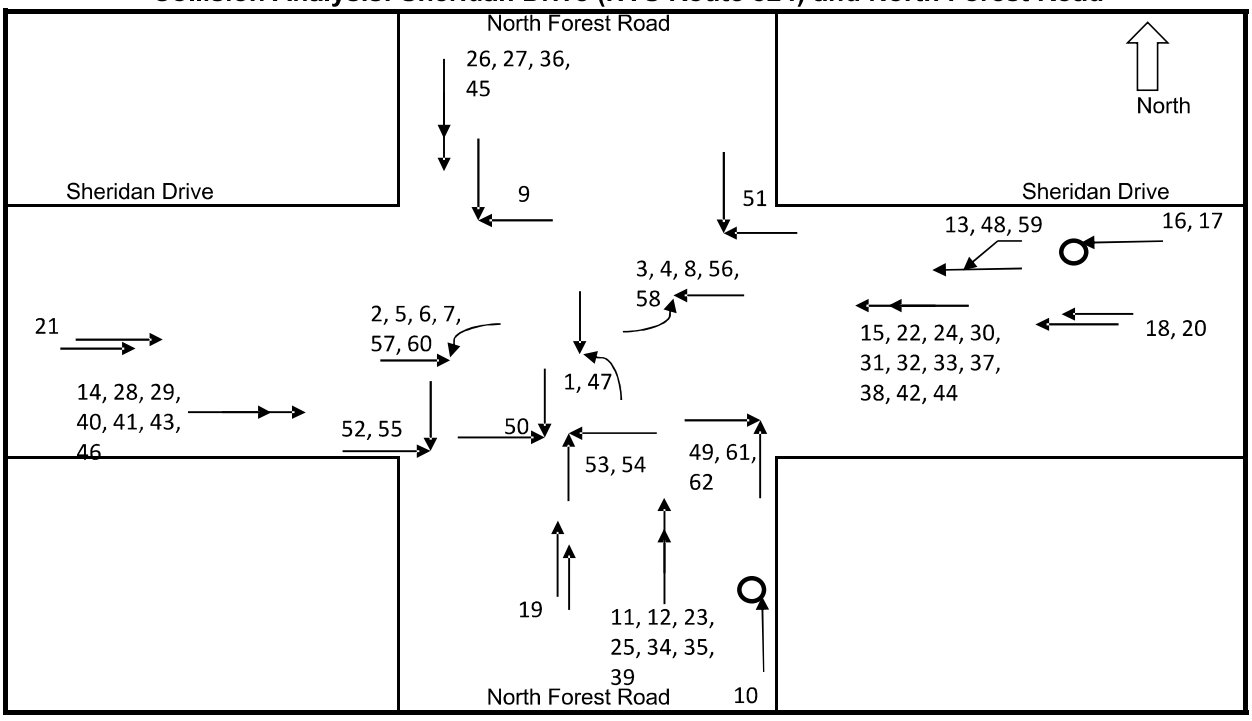


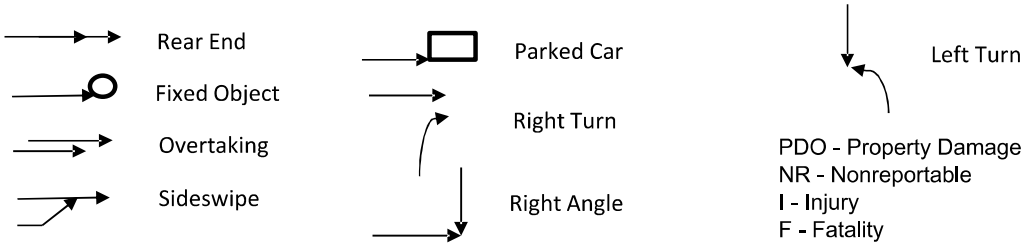
No.	Date	Time	Collision Type	Road Condition	Severity	Comment
1	01/13/2018	6:44 PM	Fixed Object	Wet, Dark	PDO	Unsafe speed
2	12/08/2022	7:47 AM	Rear End	Dry, Dark	I	Driver inattention, following too closely
3	08/14/2019	3:30 PM	Rear End	Dry, Light	I	Following too closely
4	03/01/2018	9:12 PM	Fixed Object	Wet, Dark	PDO	unsafe speed, pavement slippery
5	01/27/2020	8:18 AM	Rear End	Wet, Light	PDO	unsafe speed
6	12/20/2022	2:26 PM	Right Angle	Slush, Light	I	driver inattention, failure to yield right of way
7	01/27/2020	7:55 AM	Right Angle	Snow, Light	PDO	passing or lane usage improperly, failure to yie
8	03/27/2019	8:02 AM	Right Angle	Dry, Light	PDO	failure to yield right of way
9	02/04/2018	4:55 PM	Right Angle	Wet, Dark	I	failure to yield right of way

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project	Amherst Central Park TIS	Sheet	1 of 2
	Crash Analysis	File #	H22.007.002
Prepared by	A. Turner	Date	08/07/2023
Checked by	K. Wessel	Date	08/07/2023

Collision Analysis: Sheridan Drive (NYS Route 324) and North Forest Road





No.	Date	Time	Collision Type	Road Condition	Severity	Comment
1	01/09/2020	7:29 AM	Left Turn	Wet, Light	PDO	Failure to yield right of way
2	11/28/2022	8:01 AM	Left Turn	Dry, Light	I	Failure to yield right of way, driver inattention, t
3	10/19/2022	12:10 PM	Left Turn	Wet, Light	I	Traffic control devices disregarded
4	07/07/2022	4:28 PM	Left Turn	Dry, Light	I	Traffic control devices disregarded
5	10/13/2021	3:46 PM	Left Turn	Dry, Light	I	Driver inattention, failure to yield right of way
6	12/11/2018	6:12 PM	Left Turn	Wet, Dark	I	Traffic control devices disregarded, failure to
7	10/15/2018	7:12 AM	Left Turn	Wet, Dark	PDO	Failure to yield right of way
8	5/18/2018	1:22 PM	Left Turn	Dry, Light	I	Failure to yield right of way
9	04/04/2021	9:40 PM	Right Angle	Dry, Dark	PDO	Traffic control devices disregarded
10	02/19/2022	5:30 AM	Fixed Object	Snow, Dark	PDO	N/A
11	09/08/2022	2:28 PM	Rear End	Dry, Light	I	Following too closely
12	05/21/2021	8:50 AM	Rear End	Dry, Light	PDO	N/A
13	12/21/2018	6:06 PM	Sideswipe	Wet, Dark	PDO	Unsafe lane change
14	03/23/2018	9:10 AM	Rear End	Dry, Light	PDO	Driver inattention, glare
15	01/15/2018	5:55 PM	Rear End	Wet, Dark	I	Following too closely
16	07/04/2022	10:49 PM	Fixed Object	Dry, Dark	I	Unsafe speed, driver inattention
17	04/08/2018	12:39 PM	Fixed Object	Dry, Light	PDO	Unsafe lane change, driver inattention

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

H22.007.002

C&S COMPANIES

Project **Amherst Central Park TIS** Sheet **2** of **2**

Crash Analysis File # **H22.007.002**

Prepared by **A. Turner** Date **08/07/2023**

Checked by **K. Wessel** Date **08/07/2023**

No.	Date	Time	Collision Type	Road Condition	Severity	Comment
18	09/17/2022	8:00 AM	Overtaking	Dry, Light	PDO	Unsafe speed
19	03/17/2022	6:34 AM	Overtaking	Dry, Dark	PDO	Unsafe lane change
20	08/04/2019	12:15 PM	Overtaking	Dry, Light	PDO	Unsafe lane change
21	07/25/2019	11:54 AM	Overtaking	Dry, Light	PDO	Unsafe lane change
22	12/22/2022	11:00 AM	Rear End	Unknown	PDO	Unsafe lane change
23	09/13/2022	5:55 PM	Rear End	Dry, Light	PDO	Following too closely, driver inattention
24	6/13/2022	1:03 PM	Rear End	Dry, Light	PDO	Driver inattention
25	05/10/2022	1:45 PM	Rear End	Dry, Light	PDO	Alcohol involvement, unsafe speed
26	11/05/2021	1:15 PM	Rear End	Dry, Light	I	N/A
27	05/06/2021	2:45 PM	Rear End	Dry, Light	PDO	Following too closely, driver inattention
28	11/03/2020	5:25 PM	Rear End	Dry, Dark	I	Driver inattention, following too closely
29	06/10/2020	7:40 PM	Rear End	Dry, Light	I	Following too closely, driver inattention
30	04/23/2020	8:24 AM	Rear End	Dry, Light	I	Driver inattention
31	03/09/2020	1:42 PM	Rear End	Dry, Light	I	Following too closely
32	11/10/2019	11:28 AM	Rear End	Dry, Light	PDO	Driver inattention
33	10/01/2019	7:20 PM	Rear End	Wet, Dark	PDO	Unsafe speed
34	09/16/2019	8:17 AM	Rear End	Dry, Light	PDO	Following too closely
35	08/02/2019	1:29 PM	Rear End	Dry, Light	I	Unsafe speed
36	12/25/2018	3:27 PM	Rear End	Wet, Light	PDO	Unsafe speed
37	11/01/2018	5:15 PM	Rear End	Wet, Dark	I	N/A
38	11/10/2018	11:56 PM	Rear End	Dry, Dark	I	Unsafe speed, driver inattention
39	10/04/2018	2:58 PM	Rear End	Dry, Light	PDO	Following too closely
40	10/02/2018	7:56 AM	Rear End	Wet, Light	PDO	Driver inattention, unsafe speed
41	06/22/2018	1:10 PM	Rear End	Dry, Light	I	Unsafe speed
42	04/08/2018	12:34 PM	Rear End	Dry, Light	PDO	Following too closely
43	03/07/2018	11:41 AM	Rear End	Wet, Light	I	Driver inattention, cell phone (hands free)
44	03/02/2018	11:51 AM	Rear End	Wet, Light	I	Driver inattention, following too closely
45	01/18/2018	9:02 AM	Rear End	Slush, Light	PDO	Following too closely, driver inattention
46	01/10/2018	3:10 PM	Rear End	Wet, Light	PDO	Following too closely
47	04/16/2022	12:48 PM	Left Turn	Dry, Light	PDO	Failure to yield right of way
48	01/31/2022	2:30 PM	Sideswipe	Dry, Light	PDO	Failure to yield right of way
49	10/07/2021	12:35 PM	Right Angle	Dry, Light	PDO	Failure to yield right of way
50	08/15/2021	8:34 PM	Right Angle	Dry, Light	I	Failure to yield right of way, traffic control devic
51	5/18/2021	4:49 PM	Right Angle	Dry, Light	PDO	Traffic control devices disregarded, failure to yi
52	04/21/2021	11:43 AM	Right Angle	Wet, Light	I	Fraffic control devices disregarded
53	01/29/2021	3:35 PM	Right Angle	Dry, Light	PDO	Failure to yield right of way
54	11/15/2020	5:20 PM	Right Angle	Wet, Dark	I	Traffic control device improper/non-working
55	10/19/2020	7:18 PM	Right Angle	Wet, Dark	I	Failure to yield right of way, traffic control devic
56	10/09/2020	5:20 PM	Left Turn	Dry, Light	PDO	Failure to yield right of way, unsafe speed
57	11/10/2019	11:39 AM	Left Turn	Dry, Light	PDO	Failure to yield right of way
58	10/01/2019	7:13 PM	Left Turn	Wet, Dark	I	Failure to yield right of way
59	08/26/2019	12:00 PM	Sideswipe	Dry, Light	PDO	Turning improper
60	12/15/2018	2:26 PM	Left Turn	Wet, Light	PDO	Failure to yield right of way
61	10/30/2018	2:00 PM	Right Angle	Dry, Light	PDO	Failure to yield right of way
62	04/01/2019	12:15 PM	Right Angle	Dry, Light	PDO	Failure to yield right of way

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Appendix C – Traffic Data

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

TRI-STATE TRAFFIC DATA

TSTData.com

Summary

Project	C&S
Project Code	11448
Site Name	Sheridan Dr & Frankhauser
Legs and Movements	All Processed Legs & Moves
Bin Size	15 minutes
Survey Date	2023-09-21, Thursday
Location	Sheridan Dr & Frankhauser
Latitude and Longitude	42.97821,-78.7765

	Start	End	PHF
PM Peak	2023-09-21 16:30:00	2023-09-21 17:30:00	0.947

Turning Movement Data

Leg	Frankhauser Road							Sheridan Dr							Driveway							Sheridan Dr							
Direction	Southbound							Westbound							Northbound							Eastbound							
Start Time	Right	Thru	Left	U-Turn	App Total	Peds Ctr	Peds CCW	Right	Thru	Left	U-Turn	App Total	Peds Ctr	Peds CCW	Right	Thru	Left	U-Turn	App Total	Peds Ctr	Peds CCW	Right	Thru	Left	U-Turn	App Total	Peds Ctr	Peds CCW	Total
3:00:00 PM	3	0	17	0	**20**	1	0	13	336	0	0	**349**	0	0	0	0	0	0	**0**	0	0	0	315	9	0	**324**	0	0	**693**
3:15:00 PM	5	0	17	0	**22**	0	0	14	346	0	0	**360**	0	0	0	0	0	0	**0**	1	0	0	379	5	0	**384**	0	0	**766**
3:30:00 PM	8	0	12	0	**20**	1	0	14	316	0	0	**330**	0	0	0	0	0	0	**0**	0	0	0	327	7	0	**334**	0	0	**684**
3:45:00 PM	9	0	10	0	**19**	0	0	9	322	0	0	**331**	0	0	0	0	0	0	**0**	0	0	0	368	4	0	**372**	0	0	**722**
Hourly Total	25	0	56	0	**81**	2	0	50	1320	0	0	**1370**	0	0	0	0	0	0	**0**	1	0	0	1389	25	0	**1414**	0	0	**2863**
4:00:00 PM	6	0	17	0	**23**	0	0	14	384	0	0	**398**	0	0	0	0	0	0	**0**	0	0	0	382	8	0	**390**	0	0	**811**
4:15:00 PM	4	0	18	0	**22**	0	0	21	300	0	0	**321**	0	0	0	0	0	0	**0**	0	0	0	381	5	0	**386**	0	0	**729**
4:30:00 PM	9	0	18	0	**27**	0	0	15	355	0	0	**370**	0	0	0	0	0	0	**0**	0	0	0	426	6	0	**432**	0	0	**829**
4:45:00 PM	6	0	6	0	**12**	0	0	15	400	0	0	**415**	0	0	0	0	1	0	**1**	1	0	0	422	1	0	**423**	0	0	**851**
Hourly Total	25	0	59	0	**84**	0	0	65	1439	0	0	**1504**	0	0	0	0	1	0	**1**	1	0	0	1611	20	0	**1631**	0	0	**3220**
5:00:00 PM	5	0	20	0	**25**	0	0	10	368	0	0	**378**	0	0	0	0	0	0	**0**	0	0	0	370	3	0	**373**	0	0	**776**
5:15:00 PM	6	0	9	0	**15**	0	0	14	420	0	0	**434**	0	0	0	0	0	0	**0**	0	0	0	424	8	0	**432**	0	0	**881**
5:30:00 PM	5	0	11	0	**16**	0	0	11	341	0	0	**352**	0	0	0	0	0	0	**0**	0	0	0	367	6	0	**373**	0	0	**741**
5:45:00 PM	5	0	13	0	**18**	0	0	10	304	0	0	**314**	0	0	0	0	0	0	**0**	1	0	0	339	1	0	**340**	0	0	**672**
Hourly Total	21	0	53	0	**74**	0	0	45	1433	0	0	**1478**	0	0	0	0	0	0	**0**	1	0	0	1500	18	0	**1518**	0	0	**3070**
Grand Total	71	0	168	0	**239**	2	0	160	4192	0	0	**4352**	0	0	0	0	1	0	**1**	3	0	0	4500	63	0	**4563**	0	0	**9155**
% Approach	29.7%	0.0%	70.3%	0.0%	**0.0%**	0.0%	0.0%	3.7%	96.3%	0.0%	0.0%	**0.0%**	0.0%	0.0%	0.0%	0.0%	100.0%	0.0%	**0.0%**	0.0%	0.0%	0.0%	98.6%	1.4%	0.0%	**0.0%**	0.0%	0.0%	**0.0%**
% Total	0.8%	0.0%	1.8%	0.0%	**2.6%**	0.0%	0.0%	1.7%	45.8%	0.0%	0.0%	**47.5%**	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	**0.0%**	0.0%	0.0%	0.0%	49.2%	0.7%	0.0%	**49.8%**	0.0%	0.0%	**0.0%**
Lights	22	0	161	0	**183**	0	0	148	4133	0	0	**4281**	0	0	0	0	1	0	**1**	0	0	0	4443	57	0	**4500**	0	0	**8965**
% Lights	31.0%	0.0%	95.8%	0.0%	**76.6%**	0.0%	0.0%	92.5%	98.6%	0.0%	0.0%	**98.4%**	0.0%	0.0%	0.0%	0.0%	100.0%	0.0%	**100.0%**	0.0%	0.0%	0.0%	98.7%	90.5%	0.0%	**98.6%**	0.0%	0.0%	**97.9%**
Trucks	1	0	3	0	**4**	0	0	0	38	0	0	**38**	0	0	0	0	0	0	**0**	0	0	0	32	6	0	**38**	0	0	**80**
% Trucks	1.4%	0.0%	1.8%	0.0%	**1.7%**	0.0%	0.0%	0.0%	0.9%	0.0%	0.0%	**0.9%**	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	**0.0%**	0.0%	0.0%	0.0%	0.7%	9.5%	0.0%	**0.8%**	0.0%	0.0%	**0.9%**
Buses	2	0	2	0	**4**	0	0	1	12	0	0	**13**	0	0	0	0	0	0	**0**	0	0	0	13	0	0	**13**	0	0	**30**
% Buses	2.8%	0.0%	1.2%	0.0%	**1.7%**	0.0%	0.0%	0.0%	0.3%	0.0%	0.0%	**0.3%**	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	**0.0%**	0.0%	0.0%	0.0%	0.3%	0.0%	0.0%	**0.3%**	0.0%	0.0%	**0.3%**
Pedestrians	0	0	0	0	**0**	1	0	0	0	0	0	**0**	0	0	0	0	0	0	**0**	2	0	0	0	0	0	**0**	0	0	**0**
% Pedestrians	0.0%	0.0%	0.0%	0.0%	**0.0%**	50.0%	0.0%	0.0%	0.0%	0.0%	0.0%	**0.0%**	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	**0.0%**	66.7%	0.0%	0.0%	0.0%	0.0%	0.0%	**0.0%**	0.0%	0.0%	**0.0%**
Bicycles on Crosswalk	0	0	0	0	**0**	1	0	0	0	0	0	**0**	0	0	0	0	0	0	**0**	1	0	0	0	0	0	**0**	0	0	**0**
% Bicycles on Crosswalk	0.0%	0.0%	0.0%	0.0%	**0.0%**	50.0%	0.0%	0.0%	0.0%	0.0%	0.0%	**0.0%**	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	**0.0%**	33.3%	0.0%	0.0%	0.0%	0.0%	0.0%	**0.0%**	0.0%	0.0%	**0.0%**

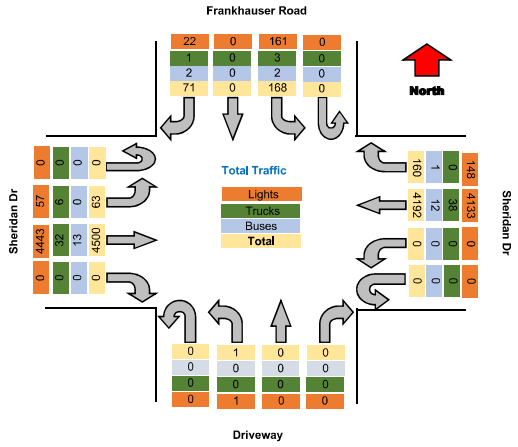
Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

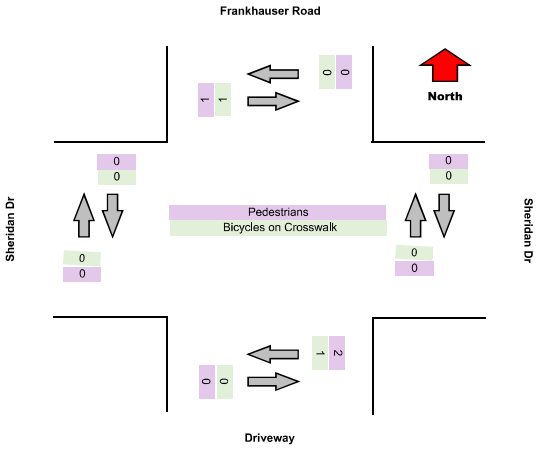
TRI-STATE TRAFFIC DATA

TSTData.com

Summary

Turning Movement Data Plot





Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

TRI-STATE TRAFFIC DATA

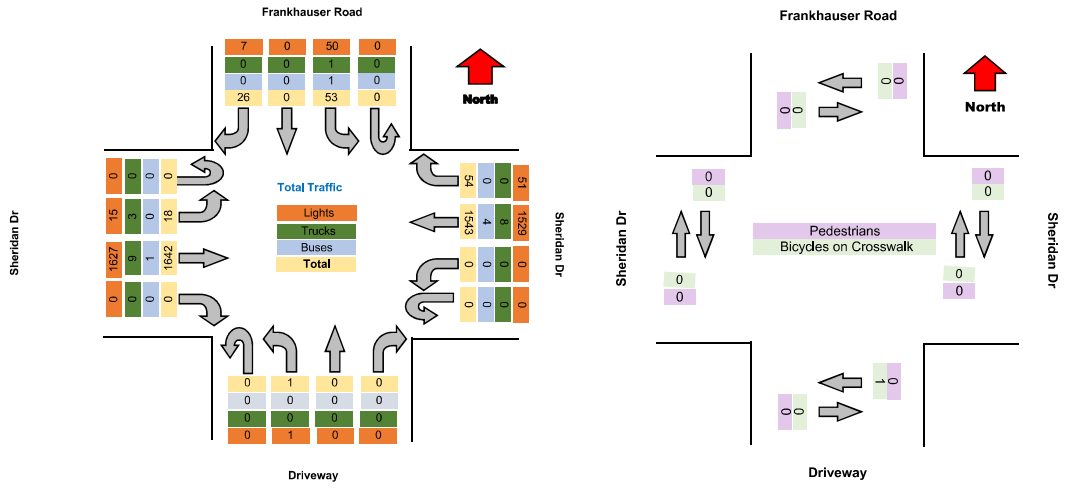
TSTData.com

Summary

Turning Movement Peak Hour Data (PM)

4:30:00 PM

Leg	Frankhauser Road							Sheridan Dr							Driveway							Sheridan Dr							
Direction	Southbound							Westbound							Northbound							Eastbound							
Start Time	Right	Thru	Left	U-Turn	App Total	Peds CW	Peds CCW	Right	Thru	Left	U-Turn	App Total	Peds CW	Peds CCW	Right	Thru	Left	U-Turn	App Total	Peds CW	Peds CCW	Right	Thru	Left	U-Turn	App Total	Peds CW	Peds CCW	Total
4:30:00 PM	9	0	18	0	27	0	0	15	355	0	0	370	0	0	0	0	0	0	0	0	0	0	426	6	0	432	0	0	829
4:45:00 PM	8	0	6	0	12	0	0	15	400	0	0	415	0	0	0	0	1	0	1	1	0	0	422	1	0	423	0	0	851
5:00:00 PM	5	0	20	0	25	0	0	10	368	0	0	378	0	0	0	0	0	0	0	0	0	0	370	3	0	373	0	0	776
5:15:00 PM	6	0	9	0	15	0	0	14	420	0	0	434	0	0	0	0	0	0	0	0	0	0	424	8	0	432	0	0	881
Grand Total	26	0	53	0	79	0	0	54	1543	0	0	1597	0	0	0	0	1	0	1	1	0	0	1642	18	0	1660	0	0	3337
% Approach	32.9%	0.0%	67.1%	0.0%	0.0%	0.0%	0.0%	3.4%	96.6%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	98.9%	1.1%	0.0%	0.0%	0.0%	0.0%	
% Total	0.8%	0.0%	1.6%	0.0%	2.4%	0.0%	0.0%	1.6%	46.2%	0.0%	0.0%	47.9%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	49.2%	0.5%	0.0%	49.7%	0.0%	0.0%	
PHF	0.722	0.000	0.683	0.000	0.731	0.000	0.000	0.900	0.918	0.000	0.000	0.920	0.000	0.000	0.000	0.000	0.250	0.000	0.250	0.000	0.000	0.000	0.954	0.563	0.000	0.961	0.000	0.000	0.947
Lights	7	0	50	0	57	0	0	51	1529	0	0	1580	0	0	0	0	1	0	1	0	0	0	1627	15	0	1642	0	0	3280
% Lights	26.9%	0.0%	94.3%	0.0%	72.2%	0.0%	0.0%	94.4%	99.1%	0.0%	0.0%	98.9%	0.0%	0.0%	0.0%	0.0%	100.0%	0.0%	100.0%	0.0%	0.0%	0.0%	99.1%	83.3%	0.0%	98.9%	0.0%	0.0%	98.3%
Trucks	0	0	1	0	1	0	0	0	8	0	0	8	0	0	0	0	0	0	0	0	0	0	9	3	0	12	0	0	21
% Trucks	0.0%	0.0%	1.9%	0.0%	1.3%	0.0%	0.0%	0.0%	0.5%	0.0%	0.0%	0.5%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.5%	16.7%	0.0%	0.7%	0.0%	0.0%	0.6%
Buses	0	0	1	0	1	0	0	0	4	0	0	4	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	6
% Buses	0.0%	0.0%	1.9%	0.0%	1.3%	0.0%	0.0%	0.0%	0.3%	0.0%	0.0%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	0.0%	0.0%	0.1%	0.0%	0.0%	0.2%
Pedestrians	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
% Pedestrians	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Bicycles on Crosswalk	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
% Bicycles on Crosswalk	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%





Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

TSTData.com

Summary

Project	C&S
Project Code	11448
Site Name	Sheridan Dr & Frankhauser
Legs and Movements	All Processed Legs & Moves
Bin Size	15 minutes
Survey Date	2023-09-23, Saturday
Location	Sheridan Dr & Frankhauser
Latitude and Longitude	42.97821,-78.7765

	Start	End	PHF
PM Peak	2023-09-23 12:45:00	2023-09-23 13:45:00	0.922

Turning Movement Data

Leg	Frankhauser Road							Sheridan Dr							Driveway							Sheridan Dr							
Direction	Southbound							Westbound							Northbound							Eastbound							
Start Time	Right	Thru	Left	U-Turn	App Total	Peds Ctr	Peds CCW	Right	Thru	Left	U-Turn	App Total	Peds Ctr	Peds CCW	Right	Thru	Left	U-Turn	App Total	Peds Ctr	Peds CCW	Right	Thru	Left	U-Turn	App Total	Peds Ctr	Peds CCW	Total
11:00:00 AM	7	0	10	0	**17**	0	0	11	233	0	0	**244**	0	0	0	0	0	0	**0**	0	0	0	225	3	0	**228**	0	0	**489**
11:15:00 AM	5	0	11	0	**16**	0	0	12	267	0	0	**279**	0	0	0	0	0	0	**0**	0	1	0	245	4	0	**249**	0	1	**544**
11:30:00 AM	9	0	6	0	**15**	0	0	11	243	1	0	**255**	0	0	0	0	0	0	**0**	0	0	0	257	5	0	**262**	0	0	**532**
11:45:00 AM	8	0	7	0	**15**	0	0	10	239	0	0	**249**	0	0	1	0	0	0	**1**	0	0	0	250	4	0	**254**	0	0	**519**
Hourly Total	29	0	34	0	**63**	0	0	44	982	1	0	**1027**	0	0	1	0	0	0	**1**	0	1	0	977	16	0	**993**	0	1	**2084**
12:00:00 PM	4	0	6	0	**10**	0	0	10	236	1	0	**247**	0	0	0	0	0	0	**0**	1	1	0	274	3	0	**277**	0	0	**534**
12:15:00 PM	2	0	9	0	**11**	0	0	10	248	0	0	**258**	0	0	0	0	0	0	**0**	0	0	0	292	2	0	**294**	0	0	**563**
12:30:00 PM	6	0	11	0	**17**	0	0	11	243	0	0	**254**	0	0	0	0	0	0	**0**	2	1	0	249	6	0	**255**	0	0	**526**
12:45:00 PM	6	0	16	0	**22**	0	0	8	258	0	0	**266**	0	0	0	0	0	0	**0**	0	0	1	276	6	0	**283**	0	1	**571**
Hourly Total	18	0	42	0	**60**	0	0	39	985	1	0	**1025**	0	0	0	0	0	0	**0**	3	2	1	1091	17	0	**1109**	0	1	**2194**
1:00:00 PM	6	0	8	0	**14**	0	0	10	281	0	0	**291**	0	0	0	0	0	0	**0**	0	0	0	239	6	0	**245**	0	0	**550**
1:15:00 PM	4	0	6	0	**10**	0	0	5	235	0	0	**240**	0	0	0	0	0	0	**0**	0	0	0	240	1	0	**241**	0	0	**491**
1:30:00 PM	7	0	8	0	**15**	0	0	7	290	0	0	**297**	0	0	0	0	0	0	**0**	0	0	0	283	5	0	**288**	0	0	**600**
1:45:00 PM	5	0	7	0	**12**	0	0	3	246	0	0	**249**	0	0	0	0	0	0	**0**	0	0	0	239	0	0	**239**	0	0	**500**
Hourly Total	22	0	29	0	**51**	0	0	25	1052	0	0	**1077**	0	0	0	0	0	0	**0**	0	0	0	1001	12	0	**1013**	0	0	**2141**
Grand Total	69	0	105	0	**174**	0	0	108	3019	2	0	**3129**	0	0	1	0	0	0	**1**	3	3	1	3069	45	0	**3115**	0	2	**6419**
% Approach	39.7%	0.0%	60.3%	0.0%	**0.0%**	0.0%	0.0%	3.5%	96.5%	0.1%	0.0%	**0.0%**	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	**0.0%**	0.0%	0.0%	0.0%	98.5%	1.4%	0.0%	**0.0%**	0.0%	0.0%	**0.0%**
% Total	1.1%	0.0%	1.6%	0.0%	**2.7%**	0.0%	0.0%	1.7%	47.0%	0.0%	0.0%	**48.7%**	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	**0.0%**	0.0%	0.0%	0.0%	47.8%	0.7%	0.0%	**48.5%**	0.0%	0.0%	**0.0%**
Lights	10	0	104	0	**114**	0	0	101	2997	2	0	**3100**	0	0	0	0	0	0	**0**	0	0	1	3031	44	0	**3076**	0	0	**6290**
% Lights	14.5%	0.0%	99.0%	0.0%	**65.5%**	0.0%	0.0%	93.5%	99.3%	100.0%	0.0%	**99.1%**	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	**0.0%**	0.0%	0.0%	100.0%	98.8%	97.8%	0.0%	**98.7%**	0.0%	0.0%	**98.0%**
Trucks	1	0	0	0	**1**	0	0	1	15	0	0	**16**	0	0	0	0	0	0	**0**	0	0	0	22	0	0	**22**	0	0	**39**
% Trucks	1.4%	0.0%	0.0%	0.0%	**0.6%**	0.0%	0.0%	0.9%	0.5%	0.0%	0.0%	**0.5%**	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	**0.0%**	0.0%	0.0%	0.0%	0.7%	0.0%	0.0%	**0.7%**	0.0%	0.0%	**0.6%**
Buses	0	0	0	0	**0**	0	0	0	3	0	0	**3**	0	0	0	0	0	0	**0**	0	0	0	4	0	0	**4**	0	0	**7**
% Buses	0.0%	0.0%	0.0%	0.0%	**0.0%**	0.0%	0.0%	0.0%	0.1%	0.0%	0.0%	**0.1%**	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	**0.0%**	0.0%	0.0%	0.0%	0.1%	0.0%	0.0%	**0.1%**	0.0%	0.0%	**0.1%**
Pedestrians	0	0	0	0	**0**	0	0	0	0	0	0	**0**	0	0	0	0	0	0	**0**	0	1	0	0	0	0	**0**	0	1	**0**
% Pedestrians	0.0%	0.0%	0.0%	0.0%	**0.0%**	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	**0.0%**	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	**0.0%**	0.0%	33.3%	0.0%	0.0%	0.0%	0.0%	**0.0%**	0.0%	50.0%	**0.0%**
Bicycles on Crosswalk	0	0	0	0	**0**	0	0	0	0	0	0	**0**	0	0	0	0	0	0	**0**	3	2	0	0	0	0	**0**	0	1	**0**
% Bicycles on Crosswalk	0.0%	0.0%	0.0%	0.0%	**0.0%**	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	**0.0%**	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	**0.0%**	100.0%	66.7%	0.0%	0.0%	0.0%	0.0%	**0.0%**	0.0%	50.0%	**0.0%**

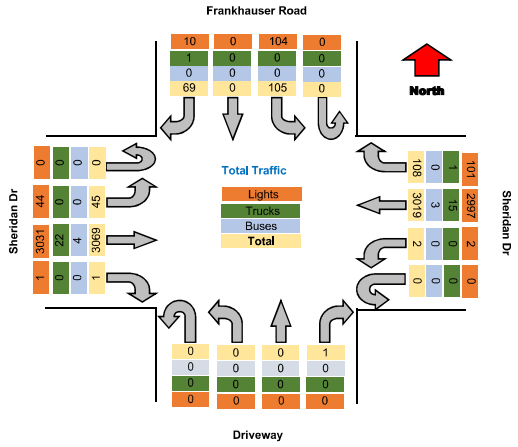
Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

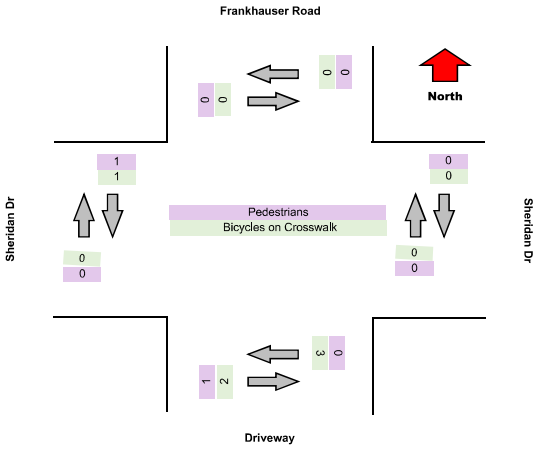
TRI-STATE TRAFFIC DATA

TSTData.com

Summary

Turning Movement Data Plot





Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

TRI-STATE TRAFFIC DATA

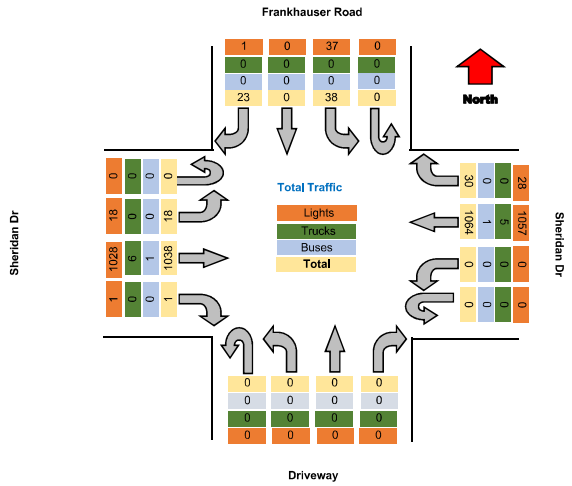
TSTData.com

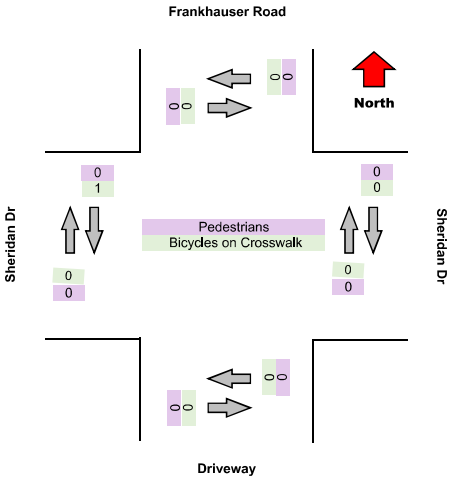
Summary

Turning Movement Peak Hour Data (PM)

12:45:00 PM

Leg	Frankhauser Road							Sheridan Dr							Driveway							Sheridan Dr							
Direction	Southbound							Westbound							Northbound							Eastbound							
Start Time	Right	Thru	Left	U-Turn	App Total	Peds CW	Peds CCW	Right	Thru	Left	U-Turn	App Total	Peds CW	Peds CCW	Right	Thru	Left	U-Turn	App Total	Peds CW	Peds CCW	Right	Thru	Left	U-Turn	App Total	Peds CW	Peds CCW	Total
12:45:00 PM	6	0	16	0	**22**	0	0	8	258	0	0	**266**	0	0	0	0	0	0	**0**	0	0	1	276	6	0	**283**	0	1	**571**
1:00:00 PM	8	0	8	0	**14**	0	0	10	281	0	0	**291**	0	0	0	0	0	0	**0**	0	0	0	239	6	0	**245**	0	0	**550**
1:15:00 PM	4	0	6	0	**10**	0	0	5	235	0	0	**240**	0	0	0	0	0	0	**0**	0	0	0	240	1	0	**241**	0	0	**491**
1:30:00 PM	7	0	8	0	**15**	0	0	7	290	0	0	**297**	0	0	0	0	0	0	**0**	0	0	0	283	5	0	**288**	0	0	**600**
Grand Total	23	0	38	0	**61**	0	0	30	1064	0	0	**1094**	0	0	0	0	0	0	**0**	0	0	1	1038	18	0	**1057**	0	1	**2212**
% Approach	37.7%	0.0%	62.3%	0.0%	**0.0%**	0.0%	0.0%	2.7%	97.3%	0.0%	0.0%	**0.0%**	0.0%	0.0%	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	**0.0%**	0.0%	0.0%	0.1%	98.2%	1.7%	0.0%	**0.0%**	0.0%	0.0%	
% Total	1.0%	0.0%	1.7%	0.0%	**2.8%**	0.0%	0.0%	1.4%	48.1%	0.0%	0.0%	**49.5%**	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	**0.0%**	0.0%	0.0%	0.0%	46.9%	0.8%	0.0%	**47.8%**	0.0%	0.0%	
PHF	0.821	0.000	0.594	0.000	**0.693**	0.000	0.000	0.750	0.917	0.000	0.000	**0.921**	0.000	0.000	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.250	0.917	0.750	0.000	**0.918**	0.000	0.000	**0.922**
Lights	1	0	37	0	**38**	0	0	28	1057	0	0	**1085**	0	0	0	0	0	0	**0**	0	0	1	1028	18	0	**1047**	0	0	**2170**
% Lights	4.3%	0.0%	97.4%	0.0%	**62.3%**	0.0%	0.0%	93.3%	99.3%	0.0%	0.0%	**99.2%**	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	**0.0%**	0.0%	0.0%	100.0%	99.0%	100.0%	0.0%	**99.1%**	0.0%	0.0%	**98.1%**
Trucks	0	0	0	0	**0**	0	0	0	5	0	0	**5**	0	0	0	0	0	0	**0**	0	0	0	6	0	0	**6**	0	0	**11**
% Trucks	0.0%	0.0%	0.0%	0.0%	**0.0%**	0.0%	0.0%	0.0%	0.5%	0.0%	0.0%	**0.5%**	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	**0.0%**	0.0%	0.0%	0.0%	0.6%	0.0%	0.0%	**0.6%**	0.0%	0.0%	**0.5%**
Buses	0	0	0	0	**0**	0	0	0	1	0	0	**1**	0	0	0	0	0	0	**0**	0	0	0	1	0	0	**1**	0	0	**2**
% Buses	0.0%	0.0%	0.0%	0.0%	**0.0%**	0.0%	0.0%	0.0%	0.1%	0.0%	0.0%	**0.1%**	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	**0.0%**	0.0%	0.0%	0.0%	0.1%	0.0%	0.0%	**0.1%**	0.0%	0.0%	**0.1%**
Pedestrians	0	0	0	0	**0**	0	0	0	0	0	0	**0**	0	0	0	0	0	0	**0**	0	0	0	0	0	0	**0**	0	0	0
% Pedestrians	0.0%	0.0%	0.0%	0.0%	**0.0%**	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	**0.0%**	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	**0.0%**	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	**0.0%**	0.0%	0.0%	**0.0%**
Bicycles on Crosswalk	0	0	0	0	**0**	0	0	0	0	0	0	**0**	0	0	0	0	0	0	**0**	0	0	0	0	0	0	**0**	0	1	0
% Bicycles on Crosswalk	0.0%	0.0%	0.0%	0.0%	**0.0%**	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	**0.0%**	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	**0.0%**	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	**0.0%**	0.0%	100.0%	**0.0%**







Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

TRI-STATE TRAFFIC DATA STData.com

Summary

Project	C&S
Project Code	11448
Site Name	Sheridan Dr & Fenwick Rd
Legs and Movements	All Processed Legs & Movements
Bin Size	15 minutes
Survey Date	2023-09-21, Thursday
Location	Sheridan Dr & Fenwick Rd
Latitude and Longitude	42.97613, -78.77413

	Start	End	PHF
PM Peak	2023-09-21 16:30:00	2023-09-21 17:30:00	0.9576

Turning Movement Data

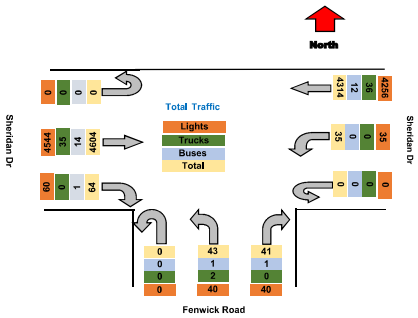
Leg	Sheridan Dr						Fenwick Road						Sheridan Dr						
Direction	Westbound						Northbound						Eastbound						
Start Time	Thru	Left	U-Turn	App Total	Peds CW	Peds CCW	Right	Left	U-Turn	App Total	Peds CW	Peds CCW	Right	Thru	U-Turn	App Total	Peds CW	Peds CCW	Total
3:00:00 PM	358	2	0	**360**	0	0	3	6	0	**9**	0	0	4	328	0	**332**	0	0	**701**
3:15:00 PM	340	4	0	**344**	0	0	4	5	0	**9**	0	0	4	389	0	**393**	0	0	**746**
3:30:00 PM	336	4	0	**340**	0	0	1	3	0	**4**	0	1	5	331	0	**336**	0	0	**680**
3:45:00 PM	336	3	0	**339**	0	0	2	3	0	**5**	0	0	1	376	0	**377**	0	0	**721**
Hourly Total	1370	13	0	**1383**	0	0	10	17	0	**27**	0	1	14	1424	0	**1438**	0	0	**2848**
4:00:00 PM	390	1	0	**391**	0	0	3	0	0	**3**	0	0	7	392	0	**399**	0	0	**793**
4:15:00 PM	325	3	0	**328**	0	0	4	4	0	**8**	0	0	4	398	0	**402**	0	0	**738**
4:30:00 PM	356	4	0	**360**	0	0	8	2	0	**10**	0	0	4	444	0	**448**	0	0	**818**
4:45:00 PM	413	4	0	**417**	0	0	3	3	0	**6**	1	0	6	419	0	**425**	0	0	**848**
Hourly Total	1484	12	0	**1496**	0	0	18	9	0	**27**	1	0	21	1653	0	**1674**	0	0	**3197**
5:00:00 PM	386	3	0	**389**	0	0	3	3	0	**6**	0	0	8	382	0	**390**	0	0	**785**
5:15:00 PM	417	1	0	**418**	0	0	6	6	0	**12**	0	0	10	426	0	**436**	0	0	**866**
5:30:00 PM	345	4	0	**349**	0	0	2	6	0	**8**	0	0	4	377	0	**381**	0	0	**738**
5:45:00 PM	312	2	0	**314**	0	0	2	2	0	**4**	0	0	7	342	0	**349**	0	0	**667**
Hourly Total	1460	10	0	**1470**	0	0	13	17	0	**30**	0	0	29	1527	0	**1556**	0	0	**3056**
Grand Total	4314	35	0	**4349**	0	0	41	43	0	**84**	1	1	64	4604	0	**4668**	0	0	**9101**
% Approach	99.2%	0.8%	0.0%	**0.0%**	0.0%	0.0%	48.8%	51.2%	0.0%	**0.0%**	0.0%	0.0%	1.4%	98.6%	0.0%	**0.0%**	0.0%	0.0%	**0.0%**
% Total	47.4%	0.4%	0.0%	**47.8%**	0.0%	0.0%	0.5%	0.5%	0.0%	**0.9%**	0.0%	0.0%	0.7%	50.6%	0.0%	**51.3%**	0.0%	0.0%	**0.0%**
Lights	4256	35	0	**4291**	0	0	40	40	0	**80**	0	0	60	4544	0	**4604**	0	0	**8975**
% Lights	98.7%	100.0%	0.0%	**98.7%**	0.0%	0.0%	97.6%	93.0%	0.0%	**95.2%**	0.0%	0.0%	93.8%	98.7%	0.0%	**98.6%**	0.0%	0.0%	**98.6%**
Trucks	36	0	0	**36**	0	0	0	2	0	**2**	0	0	0	35	0	**35**	0	0	**73**
% Trucks	0.8%	0.0%	0.0%	**0.8%**	0.0%	0.0%	0.0%	4.7%	0.0%	**2.4%**	0.0%	0.0%	0.0%	0.8%	0.0%	**0.7%**	0.0%	0.0%	**0.8%**
Buses	12	0	0	**12**	0	0	1	1	0	**2**	0	0	1	14	0	**15**	0	0	**29**
% Buses	0.3%	0.0%	0.0%	**0.3%**	0.0%	0.0%	0.0%	2.3%	0.0%	**2.4%**	0.0%	0.0%	1.6%	0.3%	0.0%	**0.3%**	0.0%	0.0%	**0.3%**
Pedestrians	0	0	0	**0**	0	0	0	0	0	**0**	0	1	0	0	0	**0**	0	0	0
% Pedestrians	0.0%	0.0%	0.0%	**0.0%**	0.0%	0.0%	0.0%	0.0%	0.0%	**0.0%**	0.0%	100.0%	0.0%	0.0%	0.0%	**0.0%**	0.0%	0.0%	**0.0%**
Bicycles on Crosswalk	0	0	0	**0**	0	0	0	0	0	**0**	1	0	0	0	0	**0**	0	0	0
% Bicycles on Crosswalk	0.0%	0.0%	0.0%	**0.0%**	0.0%	0.0%	0.0%	0.0%	0.0%	**0.0%**	100.0%	0.0%	0.0%	0.0%	0.0%	**0.0%**	0.0%	0.0%	**0.0%**

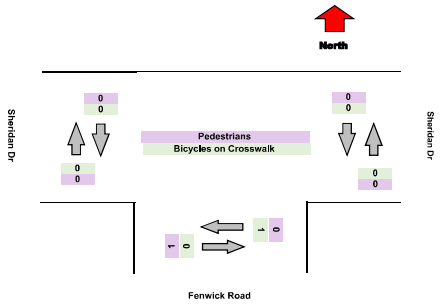
Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

TRI-STATE TRAFFIC DATA STData.com

Summary

Turning Movement Data Plot





Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

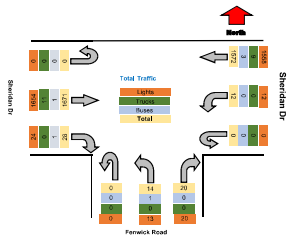
TRI-STATE TRAFFIC DATA STData.com

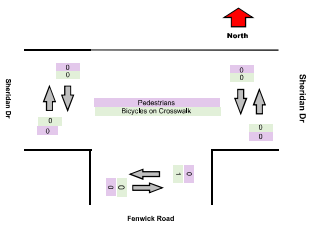
Summary

Turning Movement Peak Hour Data (PM)

4:30:00 PM

Leg	Sheridan Dr						Fenwick Road						Sheridan Dr						
Direction	Westbound						Northbound						Eastbound						
Start Time	Thru	Left	U-Turn	App Total	Peds CW	Peds CCW	Right	Left	U-Turn	App Total	Peds CW	Peds CCW	Right	Thru	U-Turn	App Total	Peds CW	Peds CCW	Total
4:30:00 PM	356	4	0	**360**	0	0	8	2	0	**10**	0	0	4	444	0	**448**	0	0	**818**
4:45:00 PM	413	4	0	**417**	0	0	3	3	0	**6**	1	0	6	419	0	**425**	0	0	**848**
5:00:00 PM	386	3	0	**389**	0	0	3	3	0	**6**	0	0	8	382	0	**390**	0	0	**785**
5:15:00 PM	417	1	0	**418**	0	0	6	6	0	**12**	0	0	10	426	0	**436**	0	0	**866**
Grand Total	1572	12	0	**1584**	0	0	20	14	0	**34**	1	0	28	1671	0	**1699**	0	0	**3317**
% Approach	99.2%	0.8%	0.0%	**0.0%**	0.0%	0.0%	58.8%	41.2%	0.0%	**0.0%**	0.0%	0.0%	1.6%	98.4%	0.0%	**0.0%**	0.0%	0.0%	
% Total	47.4%	0.4%	0.0%	**47.8%**	0.0%	0.0%	0.6%	0.4%	0.0%	**1.0%**	0.0%	0.0%	0.8%	50.4%	0.0%	**51.2%**	0.0%	0.0%	
PHF	0.942	0.750	0.000	**0.947**	0.000	0.000	0.625	0.583	0.000	**0.708**	0.000	0.000	0.700	0.941	0.000	**0.948**	0.000	0.000	**0.958**
Lights	1558	12	0	**1570**	0	0	20	13	0	**33**	0	0	24	1654	0	**1678**	0	0	**3281**
% Lights	99.1%	100.0%	0.0%	**99.1%**	0.0%	0.0%	100.0%	92.9%	0.0%	**97.1%**	0.0%	0.0%	85.7%	99.0%	0.0%	**98.8%**	0.0%	0.0%	**98.9%**
Trucks	9	0	0	**9**	0	0	0	0	0	**0**	0	0	0	11	0	**11**	0	0	**20**
% Trucks	0.6%	0.0%	0.0%	**0.6%**	0.0%	0.0%	0.0%	0.0%	0.0%	**0.0%**	0.0%	0.0%	0.0%	0.7%	0.0%	**0.6%**	0.0%	0.0%	**0.6%**
Buses	3	0	0	**3**	0	0	0	1	0	**1**	0	0	1	1	0	**2**	0	0	**6**
% Buses	0.2%	0.0%	0.0%	**0.2%**	0.0%	0.0%	0.0%	7.1%	0.0%	**2.9%**	0.0%	0.0%	3.6%	0.1%	0.0%	**0.1%**	0.0%	0.0%	**0.2%**
Pedestrians	0	0	0	**0**	0	0	0	0	0	**0**	0	0	0	0	0	**0**	0	0	0
% Pedestrians	0.0%	0.0%	0.0%	**0.0%**	0.0%	0.0%	0.0%	0.0%	0.0%	**0.0%**	0.0%	0.0%	0.0%	0.0%	0.0%	**0.0%**	0.0%	0.0%	**0.0%**
Bicycles on Crosswalk	0	0	0	**0**	0	0	0	0	0	**0**	1	0	0	0	0	**0**	0	0	0
% Bicycles on Crosswalk	0.0%	0.0%	0.0%	**0.0%**	0.0%	0.0%	0.0%	0.0%	0.0%	**0.0%**	100.0%	0.0%	0.0%	0.0%	0.0%	**0.0%**	0.0%	0.0%	**0.0%**







Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

TRI-STATE TRAFFIC DATA STData.com

Summary

Project	C&S
Project Code	11448
Site Name	Sheridan Dr & Fenwick Rd
Legs and Movements	All Processed Legs & Movements
Bin Size	15 minutes
Survey Date	2023-09-23, Saturday
Location	Sheridan Dr & Fenwick Rd
Latitude and Longitude	42.97613, -78.77413

	Start	End	PHF
PM Peak	2023-09-23 12:00:00	2023-09-23 13:00:00	0.9553

Turning Movement Data

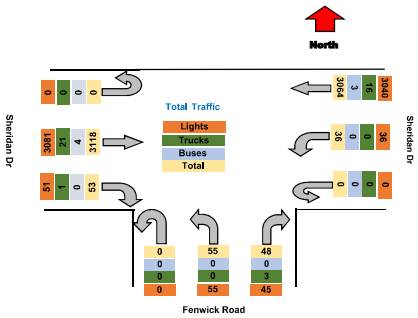
Leg	Sheridan Dr						Fenwick Road						Sheridan Dr						
Direction	Westbound						Northbound						Eastbound						
Start Time	Thru	Left	U-Turn	App Total	Peds CW	Peds CCW	Right	Left	U-Turn	App Total	Peds CW	Peds CCW	Right	Thru	U-Turn	App Total	Peds CW	Peds CCW	Total
11:00:00 AM	233	4	0	**237**	0	0	2	4	0	**6**	0	0	4	232	0	**236**	0	0	**479**
11:15:00 AM	273	3	0	**276**	0	0	5	5	0	**10**	0	1	4	248	0	**252**	0	0	**538**
11:30:00 AM	260	3	0	**263**	0	0	2	6	0	**8**	0	0	4	260	0	**264**	0	0	**535**
11:45:00 AM	236	1	0	**237**	0	0	5	5	0	**10**	0	0	4	251	0	**255**	0	0	**502**
Hourly Total	1002	11	0	**1013**	0	0	14	20	0	**34**	0	1	16	991	0	**1007**	0	0	**2054**
12:00:00 PM	254	4	0	**258**	0	0	5	4	0	**9**	0	1	8	273	0	**281**	0	0	**548**
12:15:00 PM	240	6	0	**246**	0	0	7	6	0	**13**	0	0	1	301	0	**302**	0	0	**561**
12:30:00 PM	242	6	0	**248**	0	0	6	6	0	**12**	1	0	5	251	0	**256**	0	0	**516**
12:45:00 PM	268	2	0	**270**	0	0	3	4	0	**7**	0	0	5	294	0	**299**	0	0	**576**
Hourly Total	1004	18	0	**1022**	0	0	21	20	0	**41**	1	1	19	1119	0	**1138**	0	0	**2201**
1:00:00 PM	284	1	0	**285**	0	0	3	2	0	**5**	0	0	6	241	0	**247**	0	0	**537**
1:15:00 PM	246	2	0	**248**	0	0	5	4	0	**9**	0	0	3	239	0	**242**	0	0	**499**
1:30:00 PM	283	4	0	**287**	0	0	3	3	0	**6**	0	0	8	285	0	**293**	0	0	**586**
1:45:00 PM	245	0	0	**245**	0	0	2	6	0	**8**	0	0	1	243	0	**244**	0	0	**497**
Hourly Total	1058	7	0	**1065**	0	0	13	15	0	**28**	0	0	18	1008	0	**1026**	0	0	**2119**
Grand Total	3064	36	0	**3100**	0	0	48	55	0	**103**	1	2	53	3118	0	**3171**	0	0	**6374**
% Approach	98.8%	1.2%	0.0%	**0.0%**	0.0%	0.0%	46.6%	53.4%	0.0%	**0.0%**	0.0%	0.0%	1.7%	98.3%	0.0%	**0.0%**	0.0%	0.0%	**0.0%**
% Total	48.1%	0.6%	0.0%	**48.6%**	0.0%	0.0%	0.8%	0.9%	0.0%	**1.6%**	0.0%	0.0%	0.8%	48.9%	0.0%	**49.7%**	0.0%	0.0%	**0.0%**
Lights	3040	36	0	**3076**	0	0	45	55	0	**100**	0	0	51	3081	0	**3132**	0	0	**6308**
% Lights	99.2%	100.0%	0.0%	**99.2%**	0.0%	0.0%	93.8%	100.0%	0.0%	**97.1%**	0.0%	0.0%	96.2%	98.8%	0.0%	**98.8%**	0.0%	0.0%	**99.0%**
Trucks	16	0	0	**16**	0	0	3	0	0	**3**	0	0	1	21	0	**22**	0	0	**41**
% Trucks	0.5%	0.0%	0.0%	**0.5%**	0.0%	0.0%	6.3%	0.0%	0.0%	**2.9%**	0.0%	0.0%	1.9%	0.7%	0.0%	**0.7%**	0.0%	0.0%	**0.6%**
Buses	3	0	0	**3**	0	0	0	0	0	**0**	0	0	0	4	0	**4**	0	0	**7**
% Buses	0.1%	0.0%	0.0%	**0.1%**	0.0%	0.0%	0.0%	0.0%	0.0%	**0.0%**	0.0%	0.0%	0.0%	0.1%	0.0%	**0.1%**	0.0%	0.0%	**0.1%**
Pedestrians	0	0	0	**0**	0	0	0	0	0	**0**	0	1	0	0	0	**0**	0	0	0
% Pedestrians	0.0%	0.0%	0.0%	**0.0%**	0.0%	0.0%	0.0%	0.0%	0.0%	**0.0%**	0.0%	50.0%	0.0%	0.0%	0.0%	**0.0%**	0.0%	0.0%	**0.0%**
Bicycles on Crosswalk	0	0	0	**0**	0	0	0	0	0	**0**	1	1	0	0	0	**0**	0	0	0
% Bicycles on Crosswalk	0.0%	0.0%	0.0%	**0.0%**	0.0%	0.0%	0.0%	0.0%	0.0%	**0.0%**	100.0%	50.0%	0.0%	0.0%	0.0%	**0.0%**	0.0%	0.0%	**0.0%**

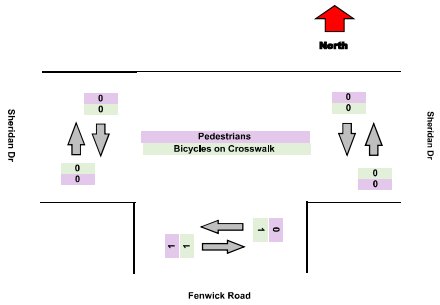
Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

TRI-STATE TRAFFIC DATA STData.com

Summary

Turning Movement Data Plot





Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

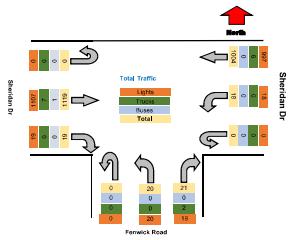
TRI-STATE TRAFFIC DATA STData.com

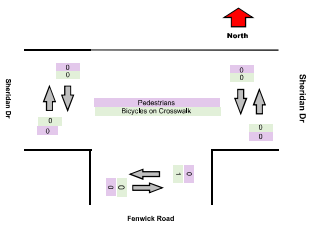
Summary

Turning Movement Peak Hour Data (PM)

12:00:00 PM

Leg	Sheridan Dr						Fenwick Road						Sheridan Dr						
Direction	Westbound						Northbound						Eastbound						
Start Time	Thru	Left	U-Turn	App Total	Peds CW	Peds CCW	Right	Left	U-Turn	App Total	Peds CW	Peds CCW	Right	Thru	U-Turn	App Total	Peds CW	Peds CCW	Total
12:00:00 PM	254	4	0	**258**	0	0	5	4	0	**9**	0	1	8	273	0	**281**	0	0	**548**
12:15:00 PM	240	6	0	**246**	0	0	7	6	0	**13**	0	0	1	301	0	**302**	0	0	**561**
12:30:00 PM	242	6	0	**248**	0	0	6	6	0	**12**	1	0	5	251	0	**256**	0	0	**516**
12:45:00 PM	268	2	0	**270**	0	0	3	4	0	**7**	0	0	5	294	0	**299**	0	0	**576**
Grand Total	1004	18	0	**1022**	0	0	21	20	0	**41**	1	1	19	1119	0	**1138**	0	0	**2201**
% Approach	98.2%	1.8%	0.0%	**0.0%**	0.0%	0.0%	51.2%	48.8%	0.0%	**0.0%**	0.0%	0.0%	1.7%	98.3%	0.0%	**0.0%**	0.0%	0.0%	
% Total	45.6%	0.8%	0.0%	**46.4%**	0.0%	0.0%	1.0%	0.9%	0.0%	**1.9%**	0.0%	0.0%	0.9%	50.8%	0.0%	**51.7%**	0.0%	0.0%	
PHF	0.937	0.750	0.000	**0.946**	0.000	0.000	0.750	0.833	0.000	**0.788**	0.000	0.000	0.594	0.929	0.000	**0.942**	0.000	0.000	**0.955**
Lights	997	18	0	**1015**	0	0	19	20	0	**39**	0	0	19	1107	0	**1126**	0	0	**2180**
% Lights	99.3%	100.0%	0.0%	**99.3%**	0.0%	0.0%	90.5%	100.0%	0.0%	**95.1%**	0.0%	0.0%	100.0%	98.9%	0.0%	**98.9%**	0.0%	0.0%	**99.0%**
Trucks	6	0	0	**6**	0	0	2	0	0	**2**	0	0	0	7	0	**7**	0	0	**15**
% Trucks	0.6%	0.0%	0.0%	**0.6%**	0.0%	0.0%	9.5%	0.0%	0.0%	**4.9%**	0.0%	0.0%	0.0%	0.6%	0.0%	**0.6%**	0.0%	0.0%	**0.7%**
Buses	0	0	0	**0**	0	0	0	0	0	**0**	0	0	0	1	0	**1**	0	0	**1**
% Buses	0.0%	0.0%	0.0%	**0.0%**	0.0%	0.0%	0.0%	0.0%	0.0%	**0.0%**	0.0%	0.0%	0.0%	0.1%	0.0%	**0.1%**	0.0%	0.0%	**0.0%**
Pedestrians	0	0	0	**0**	0	0	0	0	0	**0**	0	0	0	0	0	**0**	0	0	0
% Pedestrians	0.0%	0.0%	0.0%	**0.0%**	0.0%	0.0%	0.0%	0.0%	0.0%	**0.0%**	0.0%	0.0%	0.0%	0.0%	0.0%	**0.0%**	0.0%	0.0%	**0.0%**
Bicycles on Crosswalk	0	0	0	**0**	0	0	0	0	0	**0**	1	1	0	0	0	**0**	0	0	0
% Bicycles on Crosswalk	0.0%	0.0%	0.0%	**0.0%**	0.0%	0.0%	0.0%	0.0%	0.0%	**0.0%**	100.0%	100.0%	0.0%	0.0%	0.0%	**0.0%**	0.0%	0.0%	**0.0%**







Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

TRI-STATE TRAFFIC DATA

TSTData.com

Summary

Project	C&S
Project Code	11448
Site Name	Sheridan Dr & North Forest
Legs and Movements	All Processed Legs & Moves
Bin Size	15 minutes
Survey Date	2023-09-21, Thursday
Location	Sheridan Dr & North Forest
Latitude and Longitude	42.97808, -78.76788

	Start	End	PHF
PM Peak	2023-09-21 16:30:00	2023-09-21 17:30:00	0.962

Turning Movement Data

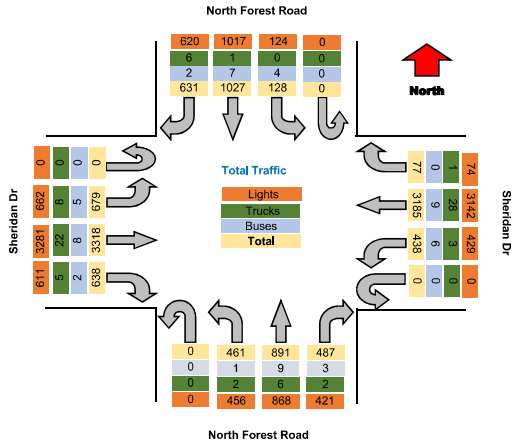
Leg	North Forest Road							Sheridan Dr							North Forest Road							Sheridan Dr							
Direction	Southbound							Westbound							Northbound							Eastbound							
Start Time	Right	Thru	Left	U-Turn	App Total	Peds Ctr	Peds CCW	Right	Thru	Left	U-Turn	App Total	Peds Ctr	Peds CCW	Right	Thru	Left	U-Turn	App Total	Peds Ctr	Peds CCW	Right	Thru	Left	U-Turn	App Total	Peds Ctr	Peds CCW	Total
3:00:00 PM	77	67	11	0	**155**	1	0	4	249	28	0	**281**	0	0	29	68	28	0	**125**	0	0	34	246	47	0	**327**	0	0	**888**
3:15:00 PM	65	87	13	0	**165**	1	0	5	220	47	0	**272**	0	0	46	67	39	0	**152**	0	0	39	274	60	0	**373**	0	0	**962**
3:30:00 PM	44	66	12	0	**122**	0	0	9	252	26	0	**287**	0	0	38	70	43	0	**151**	0	1	43	249	58	0	**350**	0	0	**910**
3:45:00 PM	61	101	9	0	**171**	0	0	9	240	34	0	**283**	0	0	32	49	35	0	**116**	0	0	55	264	61	0	**380**	0	0	**950**
Hourly Total	247	321	45	0	**613**	2	0	27	961	135	0	**1123**	0	0	145	254	145	0	**544**	0	1	171	1033	226	0	**1439**	0	0	**3710**
4:00:00 PM	60	92	13	0	**165**	0	0	7	286	30	0	**323**	0	0	47	95	36	0	**178**	0	0	56	258	51	0	**365**	0	0	**1031**
4:15:00 PM	31	77	11	0	**119**	0	0	10	280	43	0	**333**	0	0	42	61	31	0	**134**	0	0	77	295	60	0	**432**	0	0	**1018**
4:30:00 PM	46	113	8	0	**167**	0	0	8	265	42	0	**315**	0	1	49	93	38	0	**180**	0	1	81	268	67	0	**416**	0	0	**1078**
4:45:00 PM	51	94	10	0	**155**	0	0	4	308	32	0	**344**	0	0	51	92	52	0	**195**	0	0	67	322	49	0	**438**	0	1	**1132**
Hourly Total	188	376	42	0	**606**	0	0	29	1139	147	0	**1315**	0	1	189	341	157	0	**687**	0	1	281	1143	227	0	**1651**	0	1	**4259**
5:00:00 PM	42	83	12	0	**137**	0	0	7	321	44	0	**372**	0	0	35	71	40	0	**146**	0	0	52	286	64	0	**402**	0	0	**1057**
5:15:00 PM	52	96	11	0	**159**	0	0	6	298	45	0	**349**	1	0	36	84	49	0	**169**	1	0	67	290	53	0	**410**	0	0	**1087**
5:30:00 PM	53	77	11	0	**141**	0	0	3	245	28	0	**276**	0	0	55	69	41	0	**165**	0	0	30	301	53	0	**384**	0	0	**966**
5:45:00 PM	49	74	7	0	**130**	0	0	5	221	39	0	**265**	0	0	27	72	29	0	**128**	0	0	37	265	56	0	**358**	0	0	**881**
Hourly Total	196	330	41	0	**567**	0	0	21	1085	156	0	**1262**	1	0	153	296	159	0	**608**	1	0	186	1142	226	0	**1554**	0	0	**3991**
Grand Total	631	1027	128	0	**1786**	2	0	77	3185	438	0	**3700**	1	1	487	891	461	0	**1839**	1	2	638	3318	679	0	**4635**	0	1	**11960**
% Approach	35.3%	57.5%	7.2%	0.0%	**0.0%**	0.0%	0.0%	2.1%	86.1%	11.8%	0.0%	**0.0%**	0.0%	0.0%	26.5%	48.5%	25.1%	0.0%	**0.0%**	0.0%	0.0%	13.8%	71.6%	14.6%	0.0%	**0.0%**	0.0%	0.0%	**0.0%**
% Total	5.3%	8.6%	1.1%	0.0%	**14.9%**	0.0%	0.0%	0.6%	26.6%	3.7%	0.0%	**30.9%**	0.0%	0.0%	4.1%	7.4%	3.9%	0.0%	**15.4%**	0.0%	0.0%	5.3%	27.7%	5.7%	0.0%	**38.8%**	0.0%	0.0%	**0.0%**
Lights	620	1017	124	0	**1761**	0	0	74	3142	429	0	**3645**	0	0	421	868	456	0	**1745**	0	0	611	3281	662	0	**4554**	0	0	**11705**
% Lights	98.3%	99.0%	96.8%	0.0%	**98.6%**	0.0%	0.0%	96.1%	98.6%	97.9%	0.0%	**98.5%**	0.0%	0.0%	86.4%	97.4%	98.9%	0.0%	**94.9%**	0.0%	0.0%	95.8%	98.9%	97.5%	0.0%	**98.3%**	0.0%	0.0%	**97.9%**
Trucks	9	1	0	0	**7**	0	0	1	28	3	0	**32**	0	0	2	6	2	0	**10**	0	0	5	22	8	0	**35**	0	0	**84**
% Trucks	1.0%	0.1%	0.0%	0.0%	**0.4%**	0.0%	0.0%	1.3%	0.8%	0.7%	0.0%	**0.8%**	0.0%	0.0%	0.4%	0.7%	0.4%	0.0%	**0.5%**	0.0%	0.0%	0.8%	0.7%	1.2%	0.0%	**0.8%**	0.0%	0.0%	**0.7%**
Buses	2	7	4	0	**13**	0	0	0	9	6	0	**15**	0	0	3	9	1	0	**13**	0	0	2	8	5	0	**15**	0	0	**56**
% Buses	0.3%	0.7%	3.1%	0.0%	**0.7%**	0.0%	0.0%	0.0%	0.3%	1.4%	0.0%	**0.4%**	0.0%	0.0%	0.6%	1.0%	0.2%	0.0%	**0.7%**	0.0%	0.0%	0.3%	0.2%	0.7%	0.0%	**0.3%**	0.0%	0.0%	**0.5%**
Pedestrians	0	0	0	0	**0**	2	0	0	0	0	0	**0**	1	0	0	0	0	0	**0**	1	2	0	0	0	0	**0**	0	1	0
% Pedestrians	0.0%	0.0%	0.0%	0.0%	**0.0%**	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	**0.0%**	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	**0.0%**	100.0%	100.0%	0.0%	0.0%	0.0%	0.0%	**0.0%**	0.0%	100.0%	**0.0%**
Bicycles on Crosswalk	0	0	0	0	**0**	0	0	0	0	0	0	**0**	0	1	0	0	0	0	**0**	0	0	0	0	0	0	**0**	0	0	0
% Bicycles on Crosswalk	0.0%	0.0%	0.0%	0.0%	**0.0%**	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	**0.0%**	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	**0.0%**	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	**0.0%**	0.0%	0.0%	**0.0%**

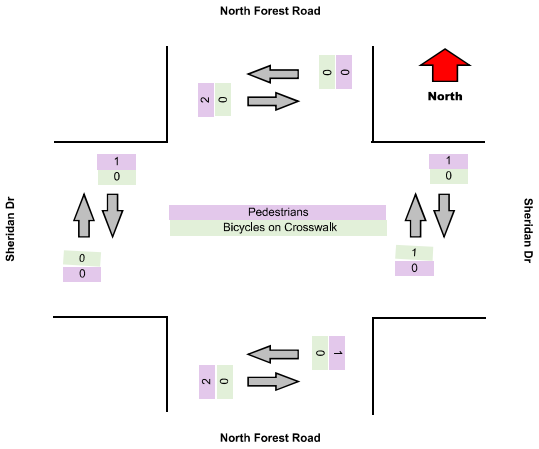
Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

TSTData.com

Summary

Turning Movement Data Plot





Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

TRI-STATE TRAFFIC DATA

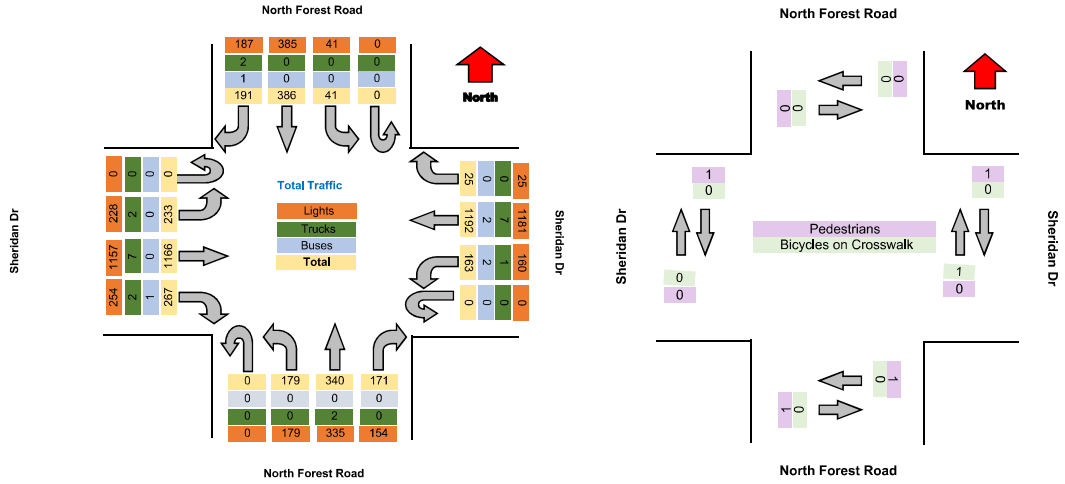
TSTData.com

Summary

Turning Movement Peak Hour Data (PM)

4:30:00 PM

Leg	North Forest Road							Sheridan Dr							North Forest Road							Sheridan Dr							
Direction	Southbound							Westbound							Northbound							Eastbound							
Start Time	Right	Thru	Left	U-Turn	App Total	Peds CW	Peds CCW	Right	Thru	Left	U-Turn	App Total	Peds CW	Peds CCW	Right	Thru	Left	U-Turn	App Total	Peds CW	Peds CCW	Right	Thru	Left	U-Turn	App Total	Peds CW	Peds CCW	Total
4:30:00 PM	46	113	8	0	**167**	0	0	8	265	42	0	**315**	0	1	49	93	38	0	**180**	0	1	81	268	67	0	**416**	0	0	**1078**
4:45:00 PM	51	94	10	0	**155**	0	0	4	308	32	0	**344**	0	0	51	92	52	0	**195**	0	0	67	322	49	0	**438**	0	1	**1132**
5:00:00 PM	42	83	12	0	**137**	0	0	7	321	44	0	**372**	0	0	35	71	40	0	**146**	0	0	52	286	64	0	**402**	0	0	**1057**
5:15:00 PM	52	96	11	0	**159**	0	0	6	298	45	0	**349**	1	0	36	84	49	0	**169**	1	0	67	290	53	0	**410**	0	0	**1087**
Grand Total	191	386	41	0	**618**	0	0	25	1192	163	0	**1380**	1	1	171	340	179	0	**690**	1	1	267	1166	233	0	**1666**	0	1	**4354**
% Approach	30.9%	62.5%	6.6%	0.0%	**0.0%**	0.0%	0.0%	1.8%	86.4%	11.8%	0.0%	**0.0%**	0.0%	0.0%	24.8%	49.3%	25.9%	0.0%	**0.0%**	0.0%	0.0%	16.0%	70.0%	14.0%	0.0%	**0.0%**	0.0%	0.0%	
% Total	4.4%	8.9%	0.9%	0.0%	**14.2%**	0.0%	0.0%	0.6%	27.4%	3.7%	0.0%	**31.7%**	0.0%	0.0%	3.9%	7.8%	4.1%	0.0%	**15.8%**	0.0%	0.0%	6.1%	26.8%	5.4%	0.0%	**38.3%**	0.0%	0.0%	
PHF	0.918	0.854	0.854	0.000	**0.925**	0.000	0.000	0.781	0.928	0.908	0.000	**0.927**	0.000	0.000	0.838	0.914	0.861	0.000	**0.885**	0.000	0.000	0.824	0.905	0.869	0.000	**0.951**	0.000	0.000	**0.962**
Lights	187	385	41	0	**613**	0	0	25	1181	160	0	**1366**	0	0	154	335	179	0	**668**	0	0	254	1157	228	0	**1639**	0	0	**4286**
% Lights	97.9%	99.7%	100.0%	0.0%	**99.2%**	0.0%	0.0%	100.0%	99.1%	98.2%	0.0%	**99.0%**	0.0%	0.0%	90.1%	98.5%	100.0%	0.0%	**96.8%**	0.0%	0.0%	95.1%	99.2%	97.9%	0.0%	**98.4%**	0.0%	0.0%	**98.4%**
Trucks	2	0	0	0	**2**	0	0	0	7	1	0	**8**	0	0	0	2	0	0	**2**	0	0	2	7	2	0	**11**	0	0	**23**
% Trucks	1.0%	0.0%	0.0%	0.0%	**0.3%**	0.0%	0.0%	0.0%	0.6%	0.6%	0.0%	**0.6%**	0.0%	0.0%	0.0%	0.6%	0.0%	0.0%	**0.3%**	0.0%	0.0%	0.7%	0.6%	0.9%	0.0%	**0.7%**	0.0%	0.0%	**0.5%**
Buses	1	0	0	0	**1**	0	0	0	2	2	0	**4**	0	0	0	0	0	0	**0**	0	0	1	0	0	0	**1**	0	0	**6**
% Buses	0.5%	0.0%	0.0%	0.0%	**0.2%**	0.0%	0.0%	0.0%	0.2%	1.2%	0.0%	**0.3%**	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	**0.0%**	0.0%	0.0%	0.4%	0.0%	0.0%	0.0%	**0.1%**	0.0%	0.0%	**0.1%**
Pedestrians	0	0	0	0	**0**	0	0	0	0	0	0	**0**	1	0	0	0	0	0	**0**	1	1	0	0	0	0	**0**	0	1	0
% Pedestrians	0.0%	0.0%	0.0%	0.0%	**0.0%**	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	**0.0%**	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	**0.0%**	100.0%	100.0%	0.0%	0.0%	0.0%	0.0%	**0.0%**	0.0%	100.0%	
Bicycles on Crosswalk	0	0	0	0	**0**	0	0	0	0	0	0	**0**	0	1	0	0	0	0	**0**	0	0	0	0	0	0	**0**	0	0	0
% Bicycles on Crosswalk	0.0%	0.0%	0.0%	0.0%	**0.0%**	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	**0.0%**	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	**0.0%**	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	**0.0%**	0.0%	0.0%	**0.0%**





Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

TRI-STATE TRAFFIC DATA

TSTData.com

Summary

Project	C&S
Project Code	11448
Site Name	Sheridan Dr & North Forest
Legs and Movements	All Processed Legs & Moves
Bin Size	15 minutes
Survey Date	2023-09-23, Saturday
Location	Sheridan Dr & North Forest
Latitude and Longitude	42.97808, -78.76788

	Start	End	PHF
PM Peak	2023-09-23 12:00:00	2023-09-23 13:00:00	0.987

Turning Movement Data

Leg	North Forest Road							Sheridan Dr							North Forest Road							Sheridan Dr							
Direction	Southbound							Westbound							Northbound							Eastbound							
Start Time	Right	Thru	Left	U-Turn	App Total	Peds Ctr	Peds CCW	Right	Thru	Left	U-Turn	App Total	Peds Ctr	Peds CCW	Right	Thru	Left	U-Turn	App Total	Peds Ctr	Peds CCW	Right	Thru	Left	U-Turn	App Total	Peds Ctr	Peds CCW	Total
11:00:00 AM	39	39	8	0	**86**	0	0	9	168	24	0	**201**	0	0	25	37	27	0	**89**	0	0	15	192	25	0	**232**	1	0	**608**
11:15:00 AM	41	34	8	0	**83**	0	0	6	209	23	0	**238**	0	0	33	32	20	0	**85**	0	0	26	188	36	0	**250**	0	0	**656**
11:30:00 AM	41	58	7	0	**106**	0	0	4	191	20	0	**215**	0	0	29	48	25	0	**102**	0	0	20	192	32	0	**244**	0	1	**667**
11:45:00 AM	43	40	12	0	**95**	0	0	8	169	24	0	**199**	0	0	33	47	22	0	**102**	0	0	23	207	48	0	**278**	0	0	**672**
Hourly Total	164	171	35	0	**370**	0	0	25	737	91	0	**853**	0	0	120	164	94	0	**378**	0	0	84	779	139	0	**1002**	1	1	**2603**
12:00:00 PM	45	53	14	0	**112**	0	0	3	188	31	0	**222**	0	0	30	44	25	0	**99**	0	1	21	212	36	0	**269**	0	0	**702**
12:15:00 PM	43	42	14	0	**99**	0	0	4	177	32	0	**213**	0	1	38	45	25	0	**108**	1	0	29	221	53	0	**303**	0	0	**723**
12:30:00 PM	44	54	12	0	**110**	0	0	7	195	34	0	**236**	0	0	22	49	23	0	**94**	1	0	29	201	38	0	**268**	0	0	**708**
12:45:00 PM	43	53	6	0	**102**	0	0	7	207	28	0	**242**	1	0	19	47	27	0	**93**	0	0	24	219	44	0	**287**	0	0	**724**
Hourly Total	175	202	46	0	**423**	0	0	21	767	125	0	**913**	1	1	109	185	100	0	**394**	2	1	103	853	171	0	**1127**	0	0	**2857**
1:00:00 PM	42	53	5	0	**100**	0	0	3	205	25	0	**233**	0	0	23	39	26	0	**88**	0	0	29	187	42	0	**258**	0	0	**679**
1:15:00 PM	34	38	2	0	**74**	0	0	7	178	22	0	**207**	0	0	22	43	27	0	**92**	0	0	35	172	36	0	**243**	0	0	**616**
1:30:00 PM	43	47	6	0	**96**	0	0	2	214	34	0	**250**	0	0	23	44	29	0	**96**	0	0	30	193	37	0	**260**	0	0	**702**
1:45:00 PM	33	46	6	0	**87**	0	0	4	188	23	0	**215**	0	0	31	36	23	0	**90**	0	0	22	209	42	0	**273**	0	0	**665**
Hourly Total	152	186	19	0	**357**	0	0	16	785	104	0	**905**	0	0	99	162	105	0	**366**	0	0	116	761	157	0	**1034**	0	0	**2662**
Grand Total	491	559	100	0	**1150**	0	0	82	2289	320	0	**2671**	1	1	328	511	299	0	**1138**	2	1	303	2393	467	0	**3163**	1	1	**8122**
% Approach	42.7%	48.6%	8.7%	0.0%	**0.0%**	0.0%	0.0%	2.3%	85.7%	12.0%	0.0%	**0.0%**	0.0%	0.0%	28.8%	44.9%	26.3%	0.0%	**0.0%**	0.0%	0.0%	9.6%	75.7%	14.8%	0.0%	**0.0%**	0.0%	0.0%	**0.0%**
% Total	6.0%	6.9%	1.2%	0.0%	**14.2%**	0.0%	0.0%	0.8%	28.2%	3.9%	0.0%	**32.9%**	0.0%	0.0%	4.0%	6.3%	3.7%	0.0%	**14.0%**	0.0%	0.0%	3.7%	29.5%	5.7%	0.0%	**38.9%**	0.0%	0.0%	**0.0%**
Lights	485	548	100	0	**1133**	0	0	59	2272	316	0	**2647**	0	0	250	499	298	0	**1047**	0	0	290	2364	460	0	**3114**	0	0	**7941**
% Lights	98.8%	98.0%	100.0%	0.0%	**98.5%**	0.0%	0.0%	96.2%	99.3%	98.8%	0.0%	**99.1%**	0.0%	0.0%	76.2%	97.7%	99.7%	0.0%	**92.0%**	0.0%	0.0%	95.7%	98.8%	98.5%	0.0%	**98.5%**	0.0%	0.0%	**97.8%**
Trucks	3	7	0	0	**10**	0	0	2	13	3	0	**18**	0	0	4	8	0	0	**12**	0	0	1	17	6	0	**24**	0	0	**64**
% Trucks	0.6%	1.3%	0.0%	0.0%	**0.9%**	0.0%	0.0%	3.2%	0.6%	0.9%	0.0%	**0.7%**	0.0%	0.0%	1.2%	1.6%	0.0%	0.0%	**1.1%**	0.0%	0.0%	0.3%	0.7%	1.3%	0.0%	**0.8%**	0.0%	0.0%	**0.8%**
Buses	0	1	0	0	**1**	0	0	0	3	0	0	**3**	0	0	1	0	0	0	**1**	0	0	0	3	1	0	**4**	0	0	**9**
% Buses	0.0%	0.2%	0.0%	0.0%	**0.1%**	0.0%	0.0%	0.0%	0.1%	0.0%	0.0%	**0.1%**	0.0%	0.0%	0.3%	0.0%	0.0%	0.0%	**0.1%**	0.0%	0.0%	0.0%	0.1%	0.2%	0.0%	**0.1%**	0.0%	0.0%	**0.1%**
Pedestrians	0	0	0	0	**0**	0	0	0	0	0	0	**0**	0	0	0	0	0	0	**0**	1	0	0	0	0	0	**0**	1	0	0
% Pedestrians	0.0%	0.0%	0.0%	0.0%	**0.0%**	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	**0.0%**	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	**0.0%**	50.0%	0.0%	0.0%	0.0%	0.0%	0.0%	**0.0%**	100.0%	0.0%	**0.0%**
Bicycles on Crosswalk	0	0	0	0	**0**	0	0	0	0	0	0	**0**	1	1	0	0	0	0	**0**	1	1	0	0	0	0	**0**	0	1	0
% Bicycles on Crosswalk	0.0%	0.0%	0.0%	0.0%	**0.0%**	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	**0.0%**	100.0%	100.0%	0.0%	0.0%	0.0%	0.0%	**0.0%**	50.0%	100.0%	0.0%	0.0%	0.0%	0.0%	**0.0%**	0.0%	100.0%	**0.0%**

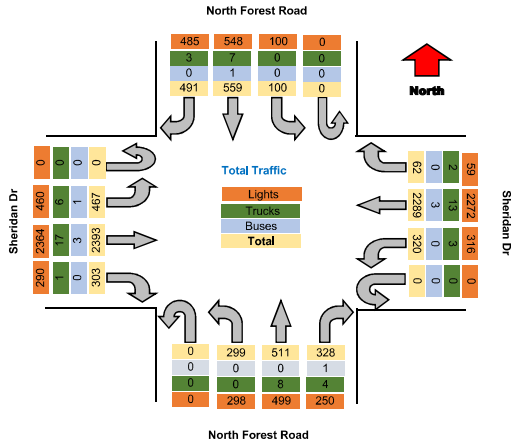
Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

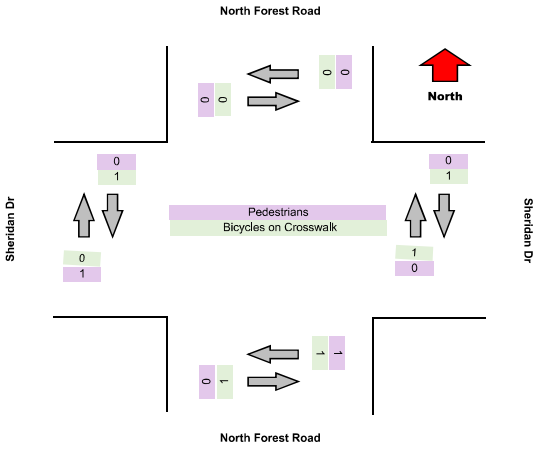
TRI-STATE TRAFFIC DATA

TSTData.com

Summary

Turning Movement Data Plot





Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

TRI-STATE TRAFFIC DATA

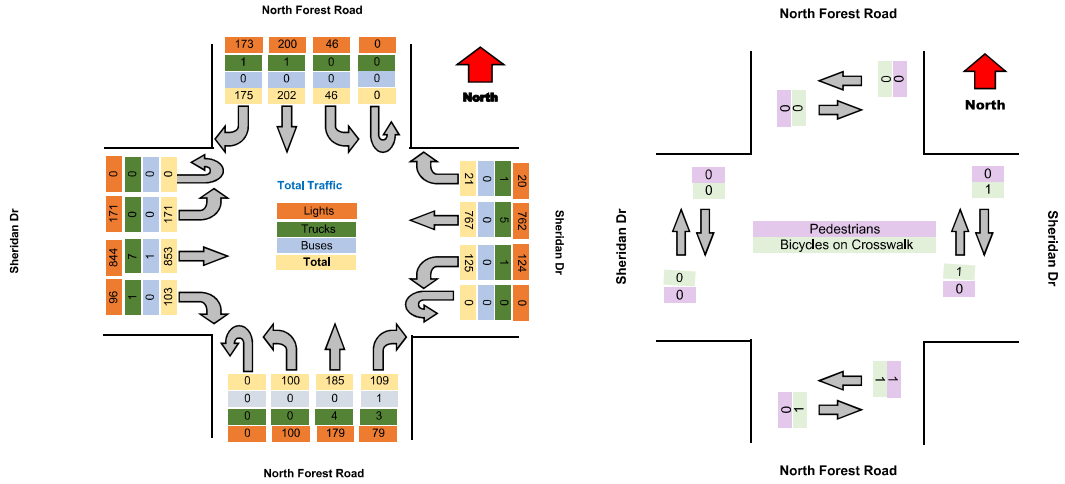
TSTData.com

Summary

Turning Movement Peak Hour Data (PM)

12:00:00 PM

Leg	North Forest Road							Sheridan Dr							North Forest Road							Sheridan Dr							
Direction	Southbound							Westbound							Northbound							Eastbound							
Start Time	Right	Thru	Left	U-Turn	App Total	Peds CW	Peds CCW	Right	Thru	Left	U-Turn	App Total	Peds CW	Peds CCW	Right	Thru	Left	U-Turn	App Total	Peds CW	Peds CCW	Right	Thru	Left	U-Turn	App Total	Peds CW	Peds CCW	Total
12:00:00 PM	45	53	14	0	112	0	0	3	188	31	0	222	0	0	30	44	25	0	99	0	1	21	212	36	0	269	0	0	702
12:15:00 PM	43	42	14	0	99	0	0	4	177	32	0	213	0	1	38	45	25	0	108	1	0	29	221	53	0	303	0	0	723
12:30:00 PM	44	54	12	0	110	0	0	7	195	34	0	236	0	0	22	49	23	0	94	1	0	29	201	38	0	268	0	0	709
12:45:00 PM	43	53	6	0	102	0	0	7	207	28	0	242	1	0	19	47	27	0	93	0	0	24	219	44	0	287	0	0	724
Grand Total	175	202	46	0	423	0	0	21	767	125	0	913	1	1	109	185	100	0	394	2	1	103	853	171	0	1127	0	0	2857
% Approach	41.4%	47.8%	10.9%	0.0%	0.0%	0.0%	0.0%	2.3%	84.0%	13.7%	0.0%	0.0%	0.0%	0.0%	27.7%	47.0%	25.4%	0.0%	0.0%	0.0%	0.0%	9.1%	75.7%	15.2%	0.0%	0.0%	0.0%	0.0%	
% Total	6.1%	7.1%	1.6%	0.0%	14.8%	0.0%	0.0%	0.7%	26.8%	4.4%	0.0%	32.0%	0.0%	0.0%	3.8%	6.5%	3.5%	0.0%	13.8%	0.0%	0.0%	3.6%	29.9%	6.0%	0.0%	39.4%	0.0%	0.0%	
PHF	0.972	0.935	0.821	0.000	0.944	0.000	0.000	0.750	0.926	0.919	0.000	0.943	0.000	0.000	0.717	0.944	0.926	0.000	0.912	0.000	0.000	0.888	0.955	0.807	0.000	0.930	0.000	0.000	0.987
Lights	173	200	46	0	419	0	0	20	762	124	0	906	0	0	79	179	100	0	358	0	0	96	844	171	0	1111	0	0	2794
% Lights	98.9%	99.0%	100.0%	0.0%	99.1%	0.0%	0.0%	95.2%	99.3%	99.2%	0.0%	99.2%	0.0%	0.0%	72.5%	96.8%	100.0%	0.0%	90.9%	0.0%	0.0%	93.2%	98.9%	100.0%	0.0%	98.6%	0.0%	0.0%	97.8%
Trucks	1	1	0	0	2	0	0	1	5	1	0	7	0	0	3	4	0	0	7	0	0	1	7	0	0	8	0	0	24
% Trucks	0.6%	0.5%	0.0%	0.0%	0.5%	0.0%	0.0%	4.8%	0.7%	0.8%	0.0%	0.8%	0.0%	0.0%	2.8%	2.2%	0.0%	0.0%	1.8%	0.0%	0.0%	1.0%	0.8%	0.0%	0.0%	0.7%	0.0%	0.0%	0.8%
Buses	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	1	0	0	1	0	0	2
% Buses	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.9%	0.0%	0.0%	0.0%	0.3%	0.0%	0.0%	0.0%	0.1%	0.0%	0.0%	0.1%	0.0%	0.0%	0.1%
Pedestrians	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
% Pedestrians	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	50.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Bicycles on Crosswalk	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0
% Bicycles on Crosswalk	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	50.0%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%





Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

TRI-STATE TRAFFIC DATA STData.com

Summary

Project	C&S
Project Code	11448
Site Name	Sheridan Dr & Harlem Rd
Legs and Movements	All Processed Legs & Movements
Bin Size	15 minutes
Survey Date	2023-09-21, Thursday
Location	Sheridan Dr & Harlem Rd
Latitude and Longitude	42.97658, -78.78386

	Start	End	PHF
PM Peak	2023-09-21 16:30:00	2023-09-21 17:30:00	0.9815

Turning Movement Data

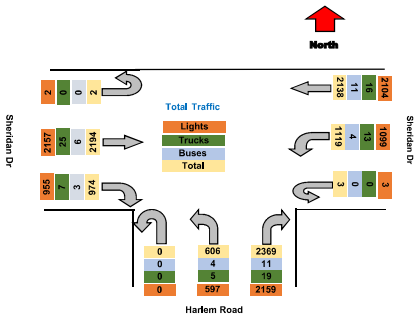
Leg	Sheridan Dr						Harlem Road						Sheridan Dr						
Direction	Westbound						Northbound						Eastbound						
Start Time	Thru	Left	U-Turn	App Total	Peds CW	Peds CCW	Right	Left	U-Turn	App Total	Peds CW	Peds CCW	Right	Thru	U-Turn	App Total	Peds CW	Peds CCW	Total
3:00:00 PM	188	106	0	**294**	0	0	170	59	0	**229**	1	0	101	165	0	**266**	0	0	**789**
3:15:00 PM	159	118	0	**277**	1	0	199	62	0	**261**	0	1	92	158	0	**250**	1	0	**788**
3:30:00 PM	169	77	1	**247**	0	0	164	58	0	**222**	0	1	102	177	0	**279**	0	0	**748**
3:45:00 PM	173	108	0	**281**	0	0	188	48	0	**236**	0	0	86	184	0	**270**	0	0	**787**
Hourly Total	689	409	1	**1099**	1	0	721	227	0	**948**	1	2	381	684	0	**1065**	1	0	**3112**
4:00:00 PM	182	95	1	**278**	0	1	200	54	0	**254**	0	0	76	184	0	**260**	0	1	**792**
4:15:00 PM	185	72	0	**257**	0	0	194	51	0	**245**	0	0	86	207	1	**294**	0	0	**796**
4:30:00 PM	182	79	1	**262**	0	0	248	43	0	**291**	0	16	76	209	0	**285**	0	2	**838**
4:45:00 PM	175	87	0	**262**	0	2	227	56	0	**283**	2	0	79	205	0	**284**	0	2	**829**
Hourly Total	724	333	2	**1059**	0	3	869	204	0	**1073**	2	16	317	805	1	**1123**	0	5	**3255**
5:00:00 PM	183	90	0	**273**	0	0	194	38	0	**232**	13	0	81	206	1	**288**	0	0	**793**
5:15:00 PM	204	94	0	**298**	0	0	219	50	0	**269**	0	3	73	190	0	**263**	0	0	**830**
5:30:00 PM	166	87	0	**253**	0	0	189	51	0	**240**	0	0	76	177	0	**253**	0	0	**746**
5:45:00 PM	172	106	0	**278**	0	1	177	36	0	**213**	0	0	46	132	0	**178**	0	0	**669**
Hourly Total	725	377	0	**1102**	0	1	779	175	0	**954**	13	3	276	705	1	**982**	0	0	**3038**
Grand Total	2138	1119	3	**3260**	1	4	2369	606	0	**2975**	16	21	974	2194	2	**3170**	1	5	**9405**
% Approach	65.6%	34.3%	0.1%	**0.0%**	0.0%	0.0%	79.6%	20.4%	0.0%	**0.0%**	0.0%	0.0%	30.7%	69.2%	0.1%	**0.0%**	0.0%	0.0%	**0.0%**
% Total	22.7%	11.9%	0.0%	**34.7%**	0.0%	0.0%	25.2%	6.4%	0.0%	**31.6%**	0.0%	0.0%	10.4%	23.3%	0.0%	**33.7%**	0.0%	0.0%	**0.0%**
Lights	2104	1099	3	**3206**	0	0	2159	597	0	**2756**	0	0	955	2157	2	**3114**	0	0	**9076**
% Lights	98.4%	98.2%	100.0%	**98.3%**	0.0%	0.0%	91.1%	98.5%	0.0%	**92.6%**	0.0%	0.0%	98.0%	98.3%	100.0%	**98.2%**	0.0%	0.0%	**96.5%**
Trucks	16	13	0	**29**	0	0	19	5	0	**24**	0	0	7	25	0	**32**	0	0	**85**
% Trucks	0.7%	1.2%	0.0%	**0.9%**	0.0%	0.0%	0.8%	0.8%	0.0%	**0.8%**	0.0%	0.0%	0.7%	1.1%	0.0%	**1.0%**	0.0%	0.0%	**0.9%**
Buses	11	4	0	**15**	0	0	11	4	0	**15**	0	0	3	6	0	**9**	0	0	**39**
% Buses	0.5%	0.4%	0.0%	**0.5%**	0.0%	0.0%	0.0%	0.7%	0.0%	**0.5%**	0.0%	0.0%	0.3%	0.3%	0.0%	**0.3%**	0.0%	0.0%	**0.4%**
Pedestrians	0	0	0	**0**	1	4	0	0	0	**0**	13	19	0	0	0	**0**	1	3	0
% Pedestrians	0.0%	0.0%	0.0%	**0.0%**	100.0%	100.0%	0.0%	0.0%	0.0%	**0.0%**	81.3%	90.5%	0.0%	0.0%	0.0%	**0.0%**	100.0%	60.0%	**0.0%**
Bicycles on Crosswalk	0	0	0	**0**	0	0	0	0	0	**0**	3	2	0	0	0	**0**	0	2	0
% Bicycles on Crosswalk	0.0%	0.0%	0.0%	**0.0%**	0.0%	0.0%	0.0%	0.0%	0.0%	**0.0%**	18.8%	9.5%	0.0%	0.0%	0.0%	**0.0%**	0.0%	40.0%	**0.0%**

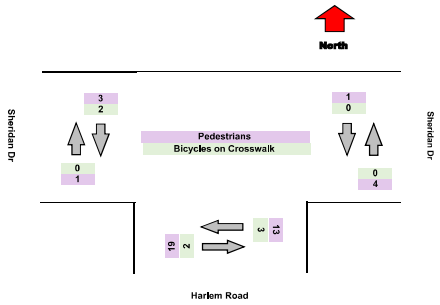
Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

TRI-STATE TRAFFIC DATA STData.com

Summary

Turning Movement Data Plot





Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

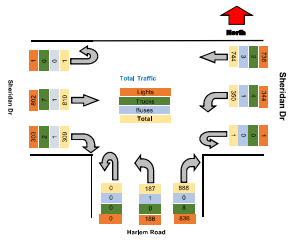
TRI-STATE TRAFFIC DATA STData.com

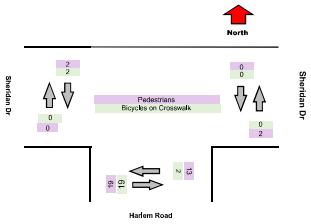
Summary

Turning Movement Peak Hour Data (PM)

4:30:00 PM

Leg	Sheridan Dr						Harlem Road						Sheridan Dr						
Direction	Westbound						Northbound						Eastbound						
Start Time	Thru	Left	U-Turn	App Total	Peds CW	Peds CCW	Right	Left	U-Turn	App Total	Peds CW	Peds CCW	Right	Thru	U-Turn	App Total	Peds CW	Peds CCW	Total
4:30:00 PM	182	79	1	**262**	0	0	248	43	0	**291**	0	18	76	209	0	**285**	0	2	**838**
4:45:00 PM	175	87	0	**262**	0	2	227	56	0	**283**	2	0	79	205	0	**284**	0	2	**829**
5:00:00 PM	183	90	0	**273**	0	0	194	38	0	**232**	13	0	81	206	1	**288**	0	0	**793**
5:15:00 PM	204	94	0	**298**	0	0	219	50	0	**269**	0	3	73	190	0	**263**	0	0	**830**
Grand Total	744	350	1	**1095**	0	2	888	187	0	**1075**	15	19	309	810	1	**1120**	0	4	**3290**
% Approach	67.9%	32.0%	0.1%	**0.0%**	0.0%	0.0%	82.6%	17.4%	0.0%	**0.0%**	0.0%	0.0%	27.6%	72.3%	0.1%	**0.0%**	0.0%	0.0%	
% Total	22.6%	10.6%	0.0%	**33.3%**	0.0%	0.0%	27.0%	5.7%	0.0%	**32.7%**	0.0%	0.0%	9.4%	24.6%	0.0%	**34.0%**	0.0%	0.0%	
PHF	0.912	0.931	0.250	**0.919**	0.000	0.000	0.895	0.835	0.000	**0.924**	0.000	0.000	0.954	0.969	0.250	**0.972**	0.000	0.000	**0.982**
Lights	738	344	1	**1083**	0	0	836	186	0	**1022**	0	0	303	802	1	**1106**	0	0	**3211**
% Lights	99.2%	98.3%	100.0%	**98.9%**	0.0%	0.0%	94.1%	99.5%	0.0%	**95.1%**	0.0%	0.0%	98.1%	99.0%	100.0%	**98.8%**	0.0%	0.0%	**97.6%**
Trucks	2	4	0	**6**	0	0	8	0	0	**8**	0	0	2	7	0	**9**	0	0	**23**
% Trucks	0.3%	1.1%	0.0%	**0.5%**	0.0%	0.0%	0.9%	0.0%	0.0%	**0.7%**	0.0%	0.0%	0.6%	0.9%	0.0%	**0.8%**	0.0%	0.0%	**0.7%**
Buses	3	1	0	**4**	0	0	0	1	0	**1**	0	0	1	1	0	**2**	0	0	**7**
% Buses	0.4%	0.3%	0.0%	**0.4%**	0.0%	0.0%	0.0%	0.5%	0.0%	**0.1%**	0.0%	0.0%	0.3%	0.1%	0.0%	**0.2%**	0.0%	0.0%	**0.2%**
Pedestrians	0	0	0	**0**	0	2	0	0	0	**0**	13	19	0	0	0	**0**	0	2	0
% Pedestrians	0.0%	0.0%	0.0%	**0.0%**	0.0%	100.0%	0.0%	0.0%	0.0%	**0.0%**	86.7%	100.0%	0.0%	0.0%	0.0%	**0.0%**	0.0%	50.0%	**0.0%**
Bicycles on Crosswalk	0	0	0	**0**	0	0	0	0	0	**0**	2	0	0	0	0	**0**	0	2	0
% Bicycles on Crosswalk	0.0%	0.0%	0.0%	**0.0%**	0.0%	0.0%	0.0%	0.0%	0.0%	**0.0%**	13.3%	0.0%	0.0%	0.0%	0.0%	**0.0%**	0.0%	50.0%	**0.0%**







Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

TRI-STATE TRAFFIC DATA STData.com

Summary

Project	C&S
Project Code	11448
Site Name	Sheridan Dr & Harlem Rd
Legs and Movements	All Processed Legs & Movements
Bin Size	15 minutes
Survey Date	2023-09-23, Saturday
Location	Sheridan Dr & Harlem Rd
Latitude and Longitude	42.97658, -78.78386

	Start	End	PHF
PM Peak	2023-09-23 12:00:00	2023-09-23 13:00:00	0.9702

Turning Movement Data

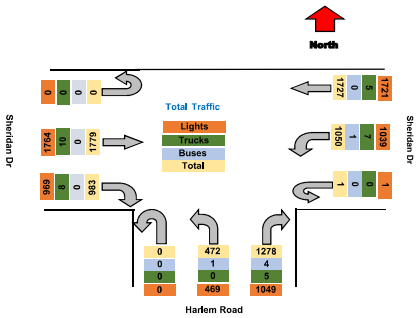
Leg	Sheridan Dr						Harlem Road						Sheridan Dr						
Direction	Westbound						Northbound						Eastbound						
Start Time	Thru	Left	U-Turn	App Total	Peds CW	Peds CCW	Right	Left	U-Turn	App Total	Peds CW	Peds CCW	Right	Thru	U-Turn	App Total	Peds CW	Peds CCW	Total
11:00:00 AM	137	75	1	**213**	0	0	110	15	0	**125**	0	0	80	137	0	**217**	0	0	**555**
11:15:00 AM	157	99	0	**256**	0	0	117	53	0	**170**	0	0	95	142	0	**237**	0	0	**663**
11:30:00 AM	105	89	0	**194**	0	0	119	51	0	**170**	0	0	66	150	0	**216**	0	0	**580**
11:45:00 AM	157	81	0	**238**	0	0	111	33	0	**144**	0	0	78	136	0	**214**	0	0	**596**
Hourly Total	556	344	1	**901**	0	0	457	152	0	**609**	0	0	319	565	0	**884**	0	0	**2394**
12:00:00 PM	141	94	0	**235**	0	0	126	32	0	**158**	0	0	99	163	0	**262**	0	0	**655**
12:15:00 PM	144	78	0	**222**	0	0	134	44	0	**178**	0	0	80	166	0	**246**	0	0	**646**
12:30:00 PM	157	94	0	**251**	0	0	111	45	0	**156**	0	0	79	135	0	**214**	0	0	**621**
12:45:00 PM	127	93	0	**220**	0	0	113	49	0	**162**	0	0	85	153	0	**238**	0	2	**620**
Hourly Total	569	359	0	**928**	0	0	484	170	0	**654**	0	0	343	617	0	**960**	0	2	**2542**
1:00:00 PM	168	90	0	**258**	0	0	81	30	0	**111**	0	0	83	169	0	**252**	0	0	**621**
1:15:00 PM	131	88	0	**219**	0	0	77	38	0	**115**	0	0	69	141	0	**210**	0	0	**544**
1:30:00 PM	148	87	0	**235**	0	0	107	44	0	**151**	0	0	91	162	0	**253**	0	0	**639**
1:45:00 PM	155	82	0	**237**	0	0	72	38	0	**110**	0	0	78	125	0	**203**	0	0	**550**
Hourly Total	602	347	0	**949**	0	0	337	150	0	**487**	0	0	321	597	0	**918**	0	0	**2354**
Grand Total	1727	1050	1	**2778**	0	0	1278	472	0	**1750**	0	0	983	1779	0	**2762**	0	2	**7290**
% Approach	62.2%	37.8%	0.0%	**0.0%**	0.0%	0.0%	73.0%	27.0%	0.0%	**0.0%**	0.0%	0.0%	35.6%	64.4%	0.0%	**0.0%**	0.0%	0.0%	**0.0%**
% Total	23.7%	14.4%	0.0%	**38.1%**	0.0%	0.0%	17.5%	6.5%	0.0%	**24.0%**	0.0%	0.0%	13.5%	24.4%	0.0%	**37.9%**	0.0%	0.0%	**0.0%**
Lights	1721	1039	1	**2761**	0	0	1049	469	0	**1518**	0	0	969	1764	0	**2733**	0	0	**7012**
% Lights	99.7%	99.0%	100.0%	**99.4%**	0.0%	0.0%	82.1%	99.4%	0.0%	**86.7%**	0.0%	0.0%	98.6%	99.2%	0.0%	**99.0%**	0.0%	0.0%	**96.2%**
Trucks	5	7	0	**12**	0	0	5	0	0	**5**	0	0	8	10	0	**18**	0	0	**35**
% Trucks	0.3%	0.7%	0.0%	**0.4%**	0.0%	0.0%	0.4%	0.0%	0.0%	**0.3%**	0.0%	0.0%	0.8%	0.6%	0.0%	**0.7%**	0.0%	0.0%	**0.5%**
Buses	0	1	0	**1**	0	0	4	1	0	**5**	0	0	0	0	0	**0**	0	0	**6**
% Buses	0.0%	0.1%	0.0%	**0.0%**	0.0%	0.0%	0.0%	0.2%	0.0%	**0.3%**	0.0%	0.0%	0.0%	0.0%	0.0%	**0.0%**	0.0%	0.0%	**0.1%**
Pedestrians	0	0	0	**0**	0	0	0	0	0	**0**	0	0	0	0	0	**0**	0	2	**0**
% Pedestrians	0.0%	0.0%	0.0%	**0.0%**	0.0%	0.0%	0.0%	0.0%	0.0%	**0.0%**	0.0%	0.0%	0.0%	0.0%	0.0%	**0.0%**	0.0%	100.0%	**0.0%**
Bicycles on Crosswalk	0	0	0	**0**	0	0	0	0	0	**0**	0	0	0	0	0	**0**	0	0	**0**
% Bicycles on Crosswalk	0.0%	0.0%	0.0%	**0.0%**	0.0%	0.0%	0.0%	0.0%	0.0%	**0.0%**	0.0%	0.0%	0.0%	0.0%	0.0%	**0.0%**	0.0%	0.0%	**0.0%**

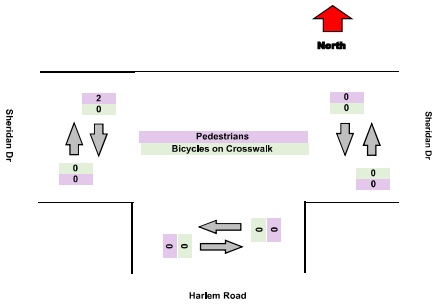
Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

TRI-STATE TRAFFIC DATA STData.com

Summary

Turning Movement Data Plot





Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

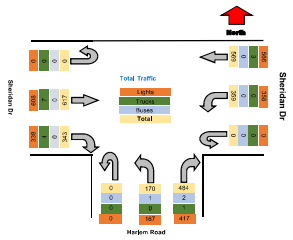
TRI-STATE TRAFFIC DATA STData.com

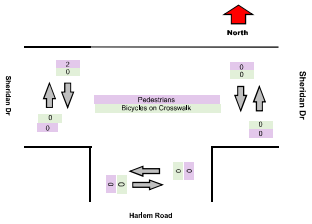
Summary

Turning Movement Peak Hour Data (PM)

12:00:00 PM

Leg	Sheridan Dr						Harlem Road						Sheridan Dr						
Direction	Westbound						Northbound						Eastbound						
Start Time	Thru	Left	U-Turn	App Total	Peds CW	Peds CCW	Right	Left	U-Turn	App Total	Peds CW	Peds CCW	Right	Thru	U-Turn	App Total	Peds CW	Peds CCW	Total
12:00:00 PM	141	94	0	235	0	0	126	32	0	158	0	0	99	163	0	262	0	0	655
12:15:00 PM	144	78	0	222	0	0	134	44	0	178	0	0	80	166	0	246	0	0	646
12:30:00 PM	157	94	0	251	0	0	111	45	0	156	0	0	79	135	0	214	0	0	621
12:45:00 PM	127	93	0	220	0	0	113	49	0	162	0	0	85	153	0	238	0	2	620
Grand Total	569	359	0	928	0	0	484	170	0	654	0	0	343	617	0	960	0	2	2542
% Approach	61.3%	38.7%	0.0%	0.0%	0.0%	0.0%	74.0%	26.0%	0.0%	0.0%	0.0%	0.0%	35.7%	64.3%	0.0%	0.0%	0.0%	0.0%	
% Total	22.4%	14.1%	0.0%	36.5%	0.0%	0.0%	19.0%	6.7%	0.0%	25.7%	0.0%	0.0%	13.5%	24.3%	0.0%	37.8%	0.0%	0.0%	
PHF	0.906	0.955	0.000	0.924	0.000	0.000	0.903	0.867	0.000	0.919	0.000	0.000	0.886	0.929	0.000	0.916	0.000	0.000	0.970
Lights	566	358	0	924	0	0	417	167	0	584	0	0	338	608	0	946	0	0	2454
% Lights	99.5%	99.7%	0.0%	99.6%	0.0%	0.0%	86.2%	98.2%	0.0%	89.3%	0.0%	0.0%	98.5%	98.5%	0.0%	98.5%	0.0%	0.0%	96.5%
Trucks	3	0	0	3	0	0	1	0	0	1	0	0	4	7	0	11	0	0	15
% Trucks	0.5%	0.0%	0.0%	0.3%	0.0%	0.0%	0.2%	0.0%	0.0%	0.2%	0.0%	0.0%	1.2%	1.1%	0.0%	1.1%	0.0%	0.0%	0.6%
Buses	0	0	0	0	0	0	2	1	0	3	0	0	0	0	0	0	0	0	3
% Buses	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.4%	0.6%	0.0%	0.5%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%
Pedestrians	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0
% Pedestrians	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	0.0%
Bicycles on Crosswalk	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
% Bicycles on Crosswalk	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%







Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

TSTData.com

Summary

Project	C&S
Project Code	11448
Site Name	Sheridan Dr & I 290 Ramps
Legs and Movements	All Processed Legs & Moves
Bin Size	15 minutes
Survey Date	2023-09-21, Thursday
Location	Sheridan Dr & I 290 Ramps
Latitude and Longitude	42.97846, -78.78165

	Start	End	PHF
PM Peak	2023-09-21 16:15:00	2023-09-21 17:15:00	0.974

Turning Movement Data

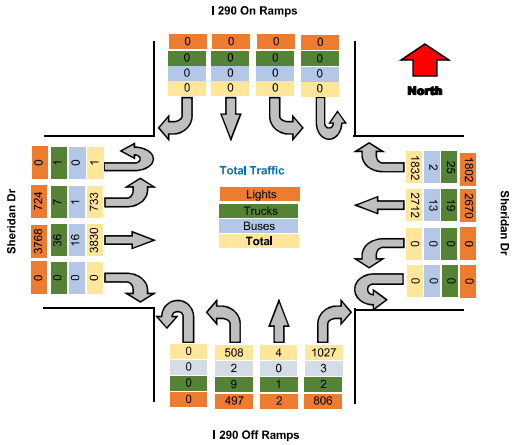
Leg	I 290 On Ramps							Sheridan Dr							I 290 Off Ramps							Sheridan Dr							
Direction	Southbound							Westbound							Northbound							Eastbound							
Start Time	Right	Thru	Left	U-Turn	App Total	Peds Cnt	Peds CCR	Right	Thru	Left	U-Turn	App Total	Peds Cnt	Peds CCR	Right	Thru	Left	U-Turn	App Total	Peds Cnt	Peds CCR	Right	Thru	Left	U-Turn	App Total	Peds Cnt	Peds CCR	Total
3:00:00 PM	0	0	0	0	0	1	1	145	240	0	0	385	0	0	86	0	50	0	136	0	0	0	283	57	0	340	0	0	861
3:15:00 PM	0	0	0	0	0	0	0	158	217	0	0	375	0	0	97	0	53	0	150	0	0	0	288	49	0	337	0	0	862
3:30:00 PM	0	0	0	0	0	1	1	142	209	0	0	351	0	0	81	0	47	0	128	0	0	0	297	69	0	366	0	0	845
3:45:00 PM	0	0	0	0	0	0	0	140	227	0	0	367	0	0	94	0	41	0	135	0	0	0	325	57	1	383	0	0	885
Hourly Total	0	0	0	0	0	2	2	585	893	0	0	1478	0	0	358	0	191	0	549	0	0	0	1193	232	1	1426	0	0	3453
4:00:00 PM	0	0	0	0	0	0	0	156	227	0	0	383	0	0	88	2	44	0	134	0	0	0	310	76	0	386	0	0	903
4:15:00 PM	0	0	0	0	0	0	0	146	225	0	0	371	0	0	91	0	39	0	130	0	0	0	362	59	0	421	0	0	922
4:30:00 PM	0	0	0	0	0	0	1	165	210	0	0	375	0	0	62	0	32	0	94	0	1	0	374	84	0	458	0	0	927
4:45:00 PM	0	0	0	0	0	0	2	166	257	0	0	423	0	0	76	0	40	0	116	3	0	0	353	47	0	400	0	0	939
Hourly Total	0	0	0	0	0	0	3	633	919	0	0	1552	0	0	317	2	155	0	474	3	1	0	1399	266	0	1665	0	0	3691
5:00:00 PM	0	0	0	0	0	0	0	197	227	0	0	424	0	0	87	0	33	0	120	8	0	0	348	71	0	419	0	0	963
5:15:00 PM	0	0	0	0	0	2	0	154	237	0	0	391	0	0	89	0	40	0	129	0	1	0	332	62	0	394	0	0	914
5:30:00 PM	0	0	0	0	0	0	0	160	242	0	0	402	0	0	85	0	38	0	123	0	0	0	305	49	0	354	0	0	879
5:45:00 PM	0	0	0	0	0	0	1	103	194	0	0	297	0	0	91	2	51	0	144	0	0	0	253	53	0	306	0	0	747
Hourly Total	0	0	0	0	0	2	1	614	900	0	0	1514	0	0	352	2	162	0	516	8	1	0	1238	235	0	1473	0	0	3503
Grand Total	0	0	0	0	0	4	6	1832	2712	0	0	4544	0	0	1027	4	508	0	1539	11	2	0	3830	733	1	4564	0	0	10647
% Approach	0.0%	0.0%	0.0%	0.0%	**0.0%**	0.0%	0.0%	40.3%	59.7%	0.0%	0.0%	**0.0%**	0.0%	0.0%	66.7%	0.3%	33.0%	0.0%	**0.0%**	0.0%	0.0%	0.0%	83.9%	16.1%	0.0%	**0.0%**	0.0%	0.0%	**0.0%**
% Total	0.0%	0.0%	0.0%	0.0%	**0.0%**	0.0%	0.0%	17.2%	25.5%	0.0%	0.0%	**42.7%**	0.0%	0.0%	9.6%	0.0%	4.8%	0.0%	**14.5%**	0.0%	0.0%	0.0%	36.0%	6.9%	0.0%	**42.9%**	0.0%	0.0%	**0.0%**
Lights	0	0	0	0	**0**	0	0	1802	2670	0	0	**4472**	0	0	806	2	497	0	**1305**	0	0	0	3768	724	0	**4492**	0	0	**10269**
% Lights	0.0%	0.0%	0.0%	0.0%	**0.0%**	0.0%	0.0%	98.4%	98.5%	0.0%	0.0%	**98.4%**	0.0%	0.0%	78.5%	50.0%	97.8%	0.0%	**84.8%**	0.0%	0.0%	0.0%	98.4%	98.8%	0.0%	**98.4%**	0.0%	0.0%	**96.4%**
Trucks	0	0	0	0	**0**	0	0	25	19	0	0	**44**	0	0	2	1	9	0	**12**	0	0	0	36	7	1	**44**	0	0	**100**
% Trucks	0.0%	0.0%	0.0%	0.0%	**0.0%**	0.0%	0.0%	1.4%	0.7%	0.0%	0.0%	**1.0%**	0.0%	0.0%	0.2%	25.0%	1.8%	0.0%	**0.8%**	0.0%	0.0%	0.0%	0.9%	1.0%	100.0%	**1.0%**	0.0%	0.0%	**0.9%**
Buses	0	0	0	0	**0**	0	0	2	13	0	0	**15**	0	0	3	0	2	0	**5**	0	0	0	16	1	0	**17**	0	0	**37**
% Buses	0.0%	0.0%	0.0%	0.0%	**0.0%**	0.0%	0.0%	0.0%	0.5%	0.0%	0.0%	**0.3%**	0.0%	0.0%	0.3%	0.0%	0.4%	0.0%	**0.3%**	0.0%	0.0%	0.0%	0.4%	0.1%	0.0%	**0.4%**	0.0%	0.0%	**0.3%**
Pedestrians	0	0	0	0	**0**	4	3	0	0	0	0	**0**	0	0	0	0	0	0	**0**	10	2	0	0	0	0	**0**	0	0	0
% Pedestrians	0.0%	0.0%	0.0%	0.0%	**0.0%**	100.0%	50.0%	0.0%	0.0%	0.0%	0.0%	**0.0%**	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	**0.0%**	90.9%	100.0%	0.0%	0.0%	0.0%	0.0%	**0.0%**	0.0%	0.0%	**0.0%**
Bicycles on Crosswalk	0	0	0	0	**0**	0	3	0	0	0	0	**0**	0	0	0	0	0	0	**0**	1	0	0	0	0	0	**0**	0	0	0
% Bicycles on Crosswalk	0.0%	0.0%	0.0%	0.0%	**0.0%**	0.0%	50.0%	0.0%	0.0%	0.0%	0.0%	**0.0%**	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	**0.0%**	9.1%	0.0%	0.0%	0.0%	0.0%	0.0%	**0.0%**	0.0%	0.0%	**0.0%**

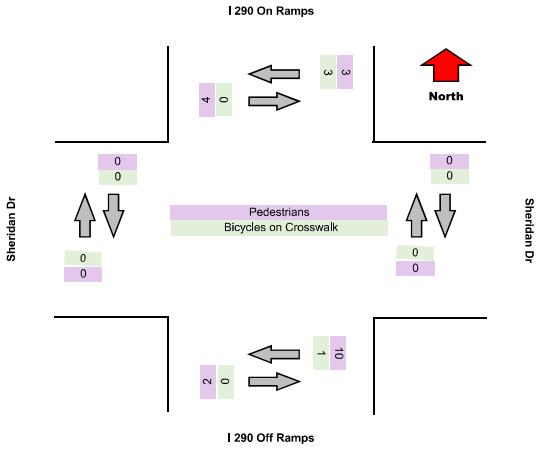
Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

TSTData.com

Summary

Turning Movement Data Plot





Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

TRI-STATE TRAFFIC DATA

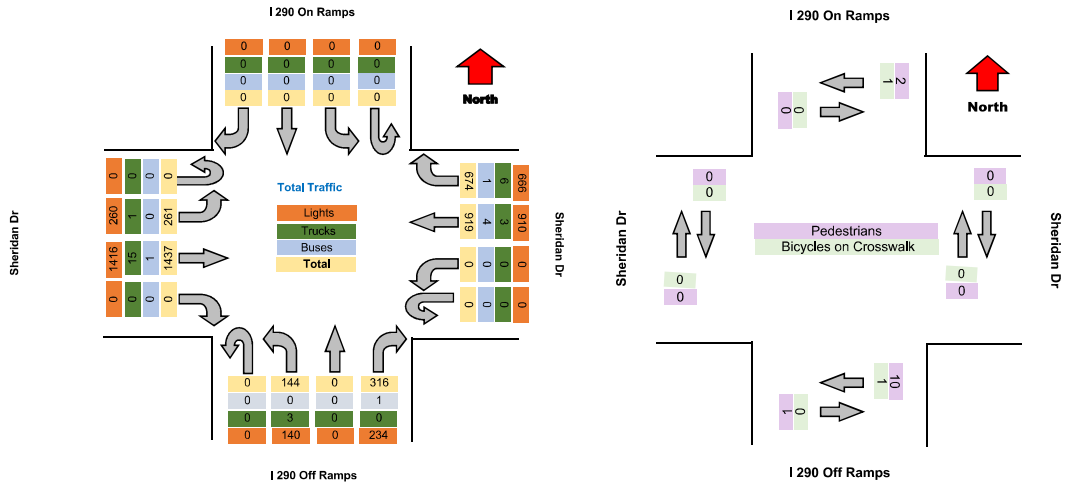
TSTData.com

Summary

Turning Movement Peak Hour Data (PM)

4:15:00 PM

Leg	I 290 On Ramps							Sheridan Dr							I 290 Off Ramps							Sheridan Dr							
Direction	Southbound							Westbound							Northbound							Eastbound							
Start Time	Right	Thru	Left	U-Turn	App Total	Peds CW	Peds CCW	Right	Thru	Left	U-Turn	App Total	Peds CW	Peds CCW	Right	Thru	Left	U-Turn	App Total	Peds CW	Peds CCW	Right	Thru	Left	U-Turn	App Total	Peds CW	Peds CCW	Total
4:15:00 PM	0	0	0	0	0	0	0	146	225	0	0	371	0	0	91	0	39	0	130	0	0	0	362	59	0	421	0	0	922
4:30:00 PM	0	0	0	0	0	0	1	165	210	0	0	375	0	0	62	0	32	0	94	0	1	0	374	84	0	458	0	0	927
4:45:00 PM	0	0	0	0	0	0	2	166	257	0	0	423	0	0	76	0	40	0	116	3	0	0	353	47	0	400	0	0	939
5:00:00 PM	0	0	0	0	0	0	0	197	227	0	0	424	0	0	87	0	33	0	120	8	0	0	348	71	0	419	0	0	963
Grand Total	0	0	0	0	0	0	3	674	919	0	0	1593	0	0	316	0	144	0	460	11	1	0	1437	261	0	1698	0	0	3751
% Approach	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	0.0%	0.0%	0.0%	42.3%	57.7%	0.0%	0.0%	0.0%	0.0%	0.0%	68.7%	0.0%	31.3%	0.0%	0.0%	0.0%	0.0%	0.0%	84.6%	15.4%	0.0%	0.0%	0.0%	0.0%	
% Total	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	18.0%	24.5%	0.0%	0.0%	42.5%	0.0%	0.0%	8.4%	0.0%	3.8%	0.0%	12.3%	0.0%	0.0%	0.0%	38.3%	7.0%	0.0%	45.3%	0.0%	0.0%	
PHF	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.855	0.894	0.000	0.000	0.939	0.000	0.000	0.868	0.000	0.800	0.000	0.885	0.000	0.000	0.000	0.961	0.777	0.000	0.927	0.000	0.000	0.974
Lights	0	0	0	0	0	0	0	666	910	0	0	1576	0	0	234	0	140	0	374	0	0	0	1416	260	0	1676	0	0	3626
% Lights	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	98.8%	99.0%	0.0%	0.0%	98.9%	0.0%	0.0%	74.1%	0.0%	97.2%	0.0%	81.3%	0.0%	0.0%	0.0%	98.5%	99.6%	0.0%	98.7%	0.0%	0.0%	96.7%
Trucks	0	0	0	0	0	0	0	6	3	0	0	9	0	0	0	0	3	0	3	0	0	0	15	1	0	16	0	0	28
% Trucks	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.9%	0.3%	0.0%	0.0%	0.6%	0.0%	0.0%	0.0%	0.0%	2.1%	0.0%	0.7%	0.0%	0.0%	0.0%	1.0%	0.4%	0.0%	0.9%	0.0%	0.0%	0.7%
Buses	0	0	0	0	0	0	0	1	4	0	0	5	0	0	1	0	1	0	2	0	0	0	1	0	0	1	0	0	8
% Buses	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	0.4%	0.0%	0.0%	0.3%	0.0%	0.0%	0.3%	0.0%	0.7%	0.0%	0.4%	0.0%	0.0%	0.0%	0.1%	0.0%	0.0%	0.1%	0.0%	0.0%	0.2%
Pedestrians	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	10	1	0	0	0	0	0	0	0	0
% Pedestrians	0.0%	0.0%	0.0%	0.0%	0.0%	66.7%		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	90.9%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Bicycles on Crosswalk	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
% Bicycles on Crosswalk	0.0%	0.0%	0.0%	0.0%	0.0%	33.3%		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	9.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%





Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

TRI-STATE TRAFFIC DATA

TSTData.com

Summary

Project	C&S
Project Code	11448
Site Name	Sheridan Dr & I 290 Ramps
Legs and Movements	All Processed Legs & Moves
Bin Size	15 minutes
Survey Date	2023-09-23, Saturday
Location	Sheridan Dr & I 290 Ramps
Latitude and Longitude	42.97846, -78.78165

	Start	End	PHF
PM Peak	2023-09-23 12:00:00	2023-09-23 13:00:00	0.984

Turning Movement Data

Leg	I 290 On Ramps							Sheridan Dr							I 290 Off Ramps							Sheridan Dr							
Direction	Southbound							Westbound							Northbound							Eastbound							
Start Time	Right	Thru	Left	U-Turn	App Total	Peds Out	Peds CCW	Right	Thru	Left	U-Turn	App Total	Peds Out	Peds CCW	Right	Thru	Left	U-Turn	App Total	Peds Out	Peds CCW	Right	Thru	Left	U-Turn	App Total	Peds Out	Peds CCW	Total
11:00:00 AM	0	0	0	0	**0**	0	0	72	188	0	0	**260**	0	0	38	0	33	0	**71**	0	0	0	203	40	0	**243**	0	0	**574**
11:15:00 AM	0	0	0	0	**0**	0	0	103	212	0	0	**315**	0	0	54	0	42	0	**96**	0	0	0	198	45	0	**243**	0	0	**654**
11:30:00 AM	0	0	0	0	**0**	0	1	75	180	0	0	**255**	0	0	57	0	32	0	**89**	0	0	0	231	47	2	**280**	0	0	**624**
11:45:00 AM	0	0	0	0	**0**	0	0	77	186	0	0	**263**	0	0	74	0	29	0	**103**	0	1	0	209	54	0	**263**	0	0	**629**
Hourly Total	0	0	0	0	**0**	0	1	327	766	0	0	**1093**	0	0	223	0	136	0	**359**	0	1	0	841	186	2	**1029**	0	0	**2481**
12:00:00 PM	0	0	0	0	**0**	0	0	64	186	0	0	**250**	0	0	74	1	45	0	**120**	0	0	0	220	68	1	**289**	0	0	**659**
12:15:00 PM	0	0	0	0	**0**	0	0	70	207	0	0	**277**	0	0	61	0	43	0	**104**	1	0	0	224	39	0	**263**	0	0	**644**
12:30:00 PM	0	0	0	0	**0**	1	0	80	193	0	0	**273**	0	0	70	0	44	0	**114**	1	1	0	228	42	2	**272**	0	0	**659**
12:45:00 PM	0	0	0	0	**0**	0	2	90	196	0	0	**286**	0	0	77	0	37	0	**114**	0	0	0	241	27	0	**268**	0	0	**668**
Hourly Total	0	0	0	0	**0**	1	2	304	782	0	0	**1086**	0	0	282	1	169	0	**452**	2	1	0	913	176	3	**1092**	0	0	**2639**
1:00:00 PM	0	0	0	0	**0**	0	0	84	197	0	0	**281**	0	0	65	1	30	0	**96**	0	0	0	190	41	1	**232**	0	0	**609**
1:15:00 PM	0	0	0	0	**0**	0	1	87	195	0	0	**282**	0	0	62	0	41	0	**103**	0	0	0	196	24	0	**220**	0	0	**605**
1:30:00 PM	0	0	0	0	**0**	0	0	86	202	0	0	**288**	0	0	81	0	36	0	**117**	0	0	0	230	48	0	**278**	0	0	**683**
1:45:00 PM	0	0	0	0	**0**	0	0	86	174	0	0	**260**	0	0	75	0	48	0	**123**	0	0	0	180	22	0	**202**	0	0	**585**
Hourly Total	0	0	0	0	**0**	0	1	343	768	0	0	**1111**	0	0	283	1	155	0	**439**	0	0	0	796	135	1	**932**	0	0	**2482**
Grand Total	0	0	0	0	**0**	1	3	974	2316	0	0	**3290**	0	0	788	2	460	0	**1250**	2	2	0	2550	497	6	**3053**	0	0	**7593**
% Approach	0.0%	0.0%	0.0%	0.0%	**0.0%**	0.0%	0.0%	29.6%	70.4%	0.0%	0.0%	**0.0%**	0.0%	0.0%	63.0%	0.2%	36.8%	0.0%	**0.0%**	0.0%	0.0%	0.0%	83.5%	16.3%	0.2%	**0.0%**	0.0%	0.0%	**0.0%**
% Total	0.0%	0.0%	0.0%	0.0%	**0.0%**	0.0%	0.0%	12.8%	30.5%	0.0%	0.0%	**43.3%**	0.0%	0.0%	10.4%	0.0%	6.1%	0.0%	**16.5%**	0.0%	0.0%	0.0%	33.6%	6.5%	0.1%	**40.2%**	0.0%	0.0%	**0.0%**
Lights	0	0	0	0	**0**	0	0	965	2300	0	0	**3265**	0	0	678	2	459	0	**1139**	0	0	0	2521	494	6	**3021**	0	0	**7425**
% Lights	0.0%	0.0%	0.0%	0.0%	**0.0%**	0.0%	0.0%	96.1%	99.3%	0.0%	0.0%	**99.2%**	0.0%	0.0%	86.0%	100.0%	99.8%	0.0%	**91.1%**	0.0%	0.0%	0.0%	98.9%	99.4%	100.0%	**99.0%**	0.0%	0.0%	**97.8%**
Trucks	0	0	0	0	**0**	0	0	6	11	0	0	**17**	0	0	8	0	1	0	**9**	0	0	0	14	2	0	**16**	0	0	**42**
% Trucks	0.0%	0.0%	0.0%	0.0%	**0.0%**	0.0%	0.0%	0.6%	0.5%	0.0%	0.0%	**0.5%**	0.0%	0.0%	1.0%	0.0%	0.2%	0.0%	**0.7%**	0.0%	0.0%	0.0%	0.5%	0.4%	0.0%	**0.5%**	0.0%	0.0%	**0.6%**
Buses	0	0	0	0	**0**	0	0	2	1	0	0	**3**	0	0	0	0	0	0	**0**	0	0	0	4	1	0	**5**	0	0	**8**
% Buses	0.0%	0.0%	0.0%	0.0%	**0.0%**	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	**0.1%**	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	**0.0%**	0.0%	0.0%	0.0%	0.2%	0.2%	0.0%	**0.2%**	0.0%	0.0%	**0.1%**
Pedestrians	0	0	0	0	**0**	1	1	0	0	0	0	**0**	0	0	0	0	0	0	**0**	0	0	0	0	0	0	**0**	0	0	**0**
% Pedestrians	0.0%	0.0%	0.0%	0.0%	**0.0%**	100.0%	25.0%	0.0%	0.0%	0.0%	0.0%	**0.0%**	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	**0.0%**	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	**0.0%**	0.0%	0.0%	**0.0%**
Bicycles on Crosswalk	0	0	0	0	**0**	0	3	0	0	0	0	**0**	0	0	0	0	0	0	**0**	2	2	0	0	0	0	**0**	0	0	**0**
% Bicycles on Crosswalk	0.0%	0.0%	0.0%	0.0%	**0.0%**	0.0%	75.0%	0.0%	0.0%	0.0%	0.0%	**0.0%**	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	**0.0%**	100.0%	100.0%	0.0%	0.0%	0.0%	0.0%	**0.0%**	0.0%	0.0%	**0.0%**

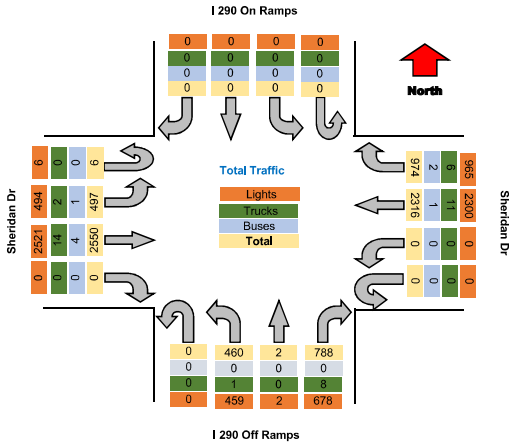
Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

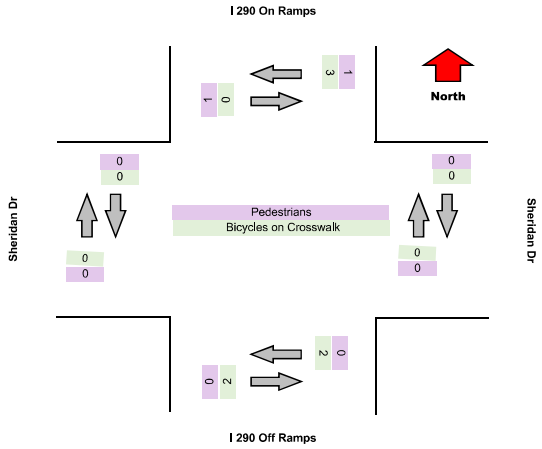
TRI-STATE TRAFFIC DATA

TSTData.com

Summary

Turning Movement Data Plot





Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

TRI-STATE TRAFFIC DATA

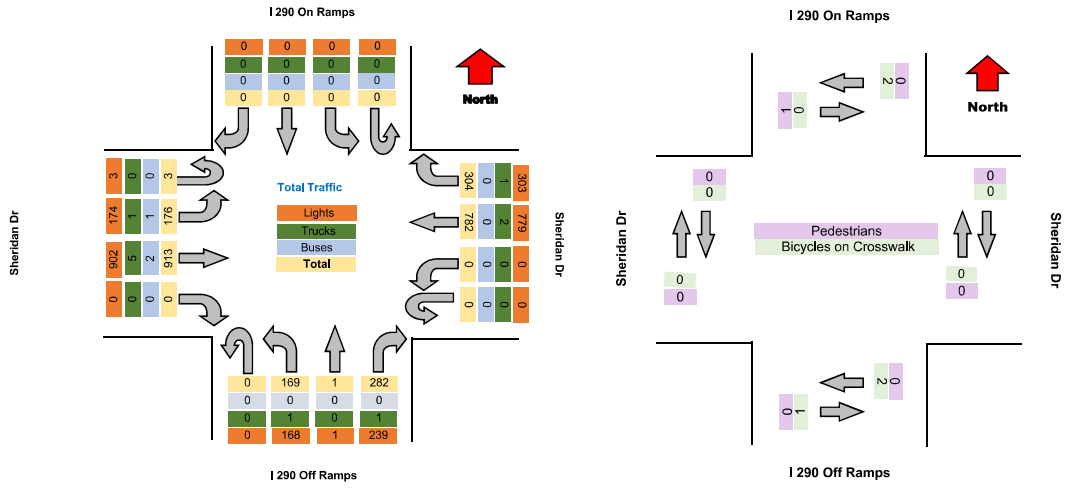
TSTData.com

Summary

Turning Movement Peak Hour Data (PM)

12:00:00 PM

Leg	I 290 On Ramps							Sheridan Dr							I 290 Off Ramps							Sheridan Dr							
Direction	Southbound							Westbound							Northbound							Eastbound							
Start Time	Right	Thru	Left	U-Turn	App Total	Peds CW	Peds CCW	Right	Thru	Left	U-Turn	App Total	Peds CW	Peds CCW	Right	Thru	Left	U-Turn	App Total	Peds CW	Peds CCW	Right	Thru	Left	U-Turn	App Total	Peds CW	Peds CCW	Total
12:00:00 PM	0	0	0	0	0	0	0	64	186	0	0	250	0	0	74	1	45	0	120	0	0	0	220	68	1	289	0	0	659
12:15:00 PM	0	0	0	0	0	0	0	70	207	0	0	277	0	0	61	0	43	0	104	1	0	0	224	39	0	263	0	0	644
12:30:00 PM	0	0	0	0	0	1	0	80	193	0	0	273	0	0	70	0	44	0	114	1	1	0	228	42	2	272	0	0	659
12:45:00 PM	0	0	0	0	0	0	2	90	196	0	0	286	0	0	77	0	37	0	114	0	0	0	241	27	0	268	0	0	668
Grand Total	0	0	0	0	0	1	2	304	782	0	0	1086	0	0	282	1	169	0	452	2	1	0	913	176	3	1092	0	0	2630
% Approach	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	0.0%	0.0%	0.0%	28.0%	72.0%	0.0%	0.0%	0.0%	0.0%	0.0%	62.4%	0.2%	37.4%	0.0%	0.0%	0.0%	0.0%	0.0%	83.6%	16.1%	0.3%	0.0%	0.0%	0.0%	
% Total	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	11.6%	29.7%	0.0%	0.0%	41.3%	0.0%	0.0%	10.7%	0.0%	6.4%	0.0%	17.2%	0.0%	0.0%	0.0%	34.7%	6.7%	0.1%	41.5%	0.0%	0.0%	
PHF	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.844	0.944	0.000	0.000	0.949	0.000	0.000	0.916	0.250	0.939	0.000	0.942	0.000	0.000	0.000	0.947	0.847	0.375	0.945	0.000	0.000	0.984
Lights	0	0	0	0	0	0	0	303	779	0	0	1082	0	0	239	1	168	0	408	0	0	0	902	174	3	1079	0	0	2569
% Lights	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	99.7%	99.6%	0.0%	0.0%	99.6%	0.0%	0.0%	84.8%	100.0%	99.4%	0.0%	90.3%	0.0%	0.0%	0.0%	98.8%	98.9%	100.0%	98.8%	0.0%	0.0%	97.7%
Trucks	0	0	0	0	0	0	0	1	2	0	0	3	0	0	1	0	1	0	2	0	0	0	5	1	0	6	0	0	11
% Trucks	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.3%	0.3%	0.0%	0.0%	0.3%	0.0%	0.0%	0.4%	0.0%	0.6%	0.0%	0.4%	0.0%	0.0%	0.0%	0.6%	0.6%	0.0%	0.5%	0.0%	0.0%	0.4%
Buses	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	0	3	0	0	3
% Buses	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.2%	0.6%	0.0%	0.3%	0.0%	0.0%	0.1%
Pedestrians	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
% Pedestrians	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Bicycles on Crosswalk	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	2	1	0	0	0	0	0	0	0	0
% Bicycles on Crosswalk	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%





Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Tri-State Traffic Data Inc

184 Baker Rd
Coatesville PA 19320

"Serving Transportation Professionls Since 1995"

Location: Amherst, New York
Road Name: N Forest Dr
Segment: 305' N of Morgan Pkwy
Date: 09/21/2023

GPS: 42.980024, -78.769195

NB

Start Time	0 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 65	66 70	71 75	76 80	81 85	86 250	Total
09/21/23	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
01:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
02:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
03:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
04:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
05:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
06:00	1	6	81	89	16	1	0	0	0	0	0	0	0	0	0	194
07:00	4	22	145	115	10	1	0	0	0	0	0	0	0	0	0	297
08:00	1	62	228	142	11	1	0	0	0	0	0	0	0	0	0	445
09:00	1	38	187	110	11	0	0	0	0	0	0	0	0	0	0	347
10:00	3	45	230	113	6	0	0	0	0	0	0	0	0	0	0	397
11:00	2	39	230	110	5	2	0	0	0	0	0	0	0	0	0	388
12 PM	30	39	191	123	6	1	0	0	0	0	0	0	0	0	0	390
13:00	4	68	239	104	4	0	0	0	0	0	0	0	0	0	0	419
14:00	21	133	259	88	5	0	0	0	0	0	0	0	0	0	0	506
15:00	8	108	265	111	7	0	0	0	0	0	0	0	0	0	0	499
16:00	78	128	261	96	2	0	0	0	0	0	0	0	0	0	0	565
17:00	5	59	324	146	14	1	0	0	0	0	0	0	0	0	0	549
18:00	0	50	202	93	14	2	0	0	0	0	0	0	0	0	0	361
19:00	0	18	170	115	16	0	0	0	0	0	0	0	0	0	0	319
20:00	4	22	106	84	12	1	0	0	0	0	0	0	0	0	0	229
21:00	0	12	62	83	6	1	0	0	0	0	0	0	0	0	0	164
22:00	0	6	39	43	9	1	0	0	0	0	0	0	0	0	0	98
23:00	1	1	17	17	6	0	0	0	0	0	0	0	0	0	0	42
Total	163	856	3236	1782	160	12	0	0	0	0	0	0	0	0	0	6209

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Tri-State Traffic Data Inc

184 Baker Rd
Coatesville PA 19320

"Serving Transportation Professionls Since 1995"

Location: Amherst, New York
Road Name: N Forest Dr
Segment: 305' N of Morgan Pkwy
Date: 09/21/2023

GPS: 42.980024, -78.769195

NB

Start Time	0 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 65	66 70	71 75	76 80	81 85	86 250	Total
09/22/23	0	2	13	14	5	0	0	0	0	0	0	0	0	0	0	34
01:00	0	1	2	4	0	1	0	0	0	0	0	0	0	0	0	8
02:00	0	0	4	5	0	0	0	0	0	0	0	0	0	0	0	9
03:00	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	3
04:00	0	1	2	4	2	0	0	0	0	0	0	0	0	0	0	9
05:00	0	4	18	26	5	0	0	0	0	0	0	0	0	0	0	53
06:00	4	13	77	71	15	0	0	0	0	0	0	0	0	0	0	180
07:00	8	20	121	109	13	3	0	0	0	0	0	0	0	0	0	274
08:00	3	66	193	157	12	0	0	0	0	0	0	0	0	0	0	431
09:00	7	41	210	112	13	0	0	0	0	0	0	0	0	0	0	383
10:00	2	34	164	108	11	0	1	0	0	0	0	0	0	0	0	320
11:00	4	47	184	103	13	0	0	0	0	0	0	0	0	0	0	351
12 PM	10	45	194	131	14	0	0	0	0	0	0	0	0	0	0	394
13:00	12	68	234	128	13	0	0	0	0	0	0	0	0	0	0	455
14:00	13	82	277	103	7	0	0	0	0	0	0	0	0	0	0	482
15:00	24	134	244	112	13	1	0	0	0	0	0	0	0	0	0	528
16:00	31	115	227	121	11	0	0	0	0	0	0	0	0	0	0	505
17:00	11	65	240	135	9	1	0	0	0	0	0	0	0	0	0	461
18:00	2	35	201	111	12	0	0	0	0	0	0	0	0	0	0	361
19:00	0	24	145	110	9	1	0	0	0	0	0	0	0	0	0	289
20:00	0	13	102	59	12	0	0	0	0	0	0	0	0	0	0	186
21:00	8	4	78	66	5	1	0	0	0	0	0	0	0	0	0	162
22:00	0	3	61	37	7	0	0	0	0	0	0	0	0	0	0	108
23:00	0	2	46	50	7	1	0	0	0	0	0	0	0	0	0	106
Total	139	819	3040	1876	208	9	1	0	0	0	0	0	0	0	0	6092

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Tri-State Traffic Data Inc

184 Baker Rd
Coatesville PA 19320

"Serving Transportation Professionls Since 1995"

Location: Amherst, New York
Road Name: N Forest Dr
Segment: 305' N of Morgan Pkwy
Date: 09/21/2023

GPS: 42.980024, -78.769195

NB

Start Time	0 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 65	66 70	71 75	76 80	81 85	86 250	Total
09/23/23	0	5	28	22	7	0	0	0	0	0	0	0	0	0	0	62
01:00	0	2	10	15	1	0	0	0	0	0	0	0	0	0	0	28
02:00	0	1	4	4	1	0	0	0	0	0	0	0	0	0	0	10
03:00	0	1	3	3	0	0	0	0	0	0	0	0	0	0	0	7
04:00	0	0	4	11	0	0	0	0	0	0	0	0	0	0	0	15
05:00	1	1	6	11	2	0	0	0	0	0	0	0	0	0	0	21
06:00	0	4	20	22	8	1	0	0	0	0	0	0	0	0	0	55
07:00	0	5	44	48	6	0	0	0	0	0	0	0	0	0	0	103
08:00	1	12	80	80	16	1	0	0	0	0	0	0	0	0	0	190
09:00	0	12	112	90	9	2	0	0	0	0	0	0	0	0	0	225
10:00	3	25	126	126	8	0	0	0	0	0	0	0	0	0	0	288
11:00	5	31	172	98	11	1	0	0	0	0	0	0	0	0	0	318
12 PM	3	39	191	134	12	1	0	0	0	0	0	0	0	0	0	380
13:00	1	23	161	126	17	0	0	0	0	0	0	0	0	0	0	328
14:00	3	58	179	108	14	0	0	0	0	0	0	0	0	0	0	362
15:00	4	20	159	148	10	2	0	0	0	0	0	0	0	0	0	343
16:00	2	15	165	128	11	0	0	0	0	0	0	0	0	0	0	321
17:00	1	18	126	121	18	0	0	0	0	0	0	0	0	0	0	284
18:00	0	21	137	97	12	1	1	0	0	0	0	0	0	0	0	269
19:00	1	21	119	66	5	1	0	0	0	0	0	0	0	0	0	213
20:00	0	9	84	57	6	2	0	0	0	0	0	0	0	0	0	158
21:00	0	14	78	66	7	1	0	0	0	0	0	0	0	0	0	166
22:00	1	5	53	52	9	1	0	0	0	0	0	0	0	0	0	121
23:00	0	5	27	33	4	0	1	0	0	0	0	0	0	0	0	70
Total	26	347	2088	1666	194	14	2	0	0	0	0	0	0	0	0	4337

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Tri-State Traffic Data Inc

184 Baker Rd
Coatesville PA 19320

"Serving Transportation Professionls Since 1995"

Location: Amherst, New York
Road Name: N Forest Dr
Segment: 305' N of Morgan Pkwy
Date: 09/21/2023

GPS: 42.980024, -78.769195

NB

Start Time	0 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 65	66 70	71 75	76 80	81 85	86 250	Total
09/24/23	0	3	22	13	4	0	1	0	0	0	0	0	0	0	0	43
01:00	0	1	7	10	6	1	0	0	0	0	0	0	0	0	0	25
02:00	0	0	4	5	2	0	0	0	0	0	0	0	0	0	0	11
03:00	0	0	7	5	1	0	0	0	0	0	0	0	0	0	0	13
04:00	0	3	6	5	1	0	0	0	0	0	0	0	0	0	0	15
05:00	0	1	3	10	0	0	0	0	0	0	0	0	0	0	0	14
06:00	1	1	15	18	4	0	0	0	0	0	0	0	0	0	0	39
07:00	0	2	25	30	7	0	0	0	0	0	0	0	0	0	0	64
08:00	0	4	45	64	11	2	0	0	0	0	0	0	0	0	0	126
09:00	4	21	120	122	14	0	0	0	0	0	0	0	0	0	0	281
10:00	1	5	102	110	14	1	0	0	0	0	0	0	0	0	0	233
11:00	5	25	133	108	8	1	0	0	0	0	0	0	0	0	0	280
12 PM	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
14:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
15:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
16:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
17:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
18:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
21:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
22:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
23:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Total	11	66	489	500	72	5	1	0	0	0	0	0	0	0	0	1144
Grand Total	339	2088	8853	5824	634	40	4	0	0	0	0	0	0	0	0	17782

Stats

15th Percentile :	25 MPH
50th Percentile :	28 MPH
85th Percentile :	33 MPH
95th Percentile :	34 MPH
Mean Speed(Average) :	29 MPH
10 MPH Pace Speed :	26-35 MPH
Number in Pace :	14690
Percent in Pace :	82.6%
Number of Vehicles > 35 MPH :	678
Percent of Vehicles > 35 MPH :	3.8%

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Tri-State Traffic Data Inc

184 Baker Rd
Coatesville PA 19320

"Serving Transportation Professionls Since 1995"

Location: Amherst, New York
Road Name: N Forest Dr
Segment: 305' N of Morgan Pkwy
Date: 09/21/2023

GPS: 42.980024, -78.769195

SB

Start Time	0 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 65	66 70	71 75	76 80	81 85	86 250	Total
09/21/23	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
01:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
02:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
03:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
04:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
05:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
06:00	4	11	55	144	21	0	0	0	0	0	0	0	0	0	0	235
07:00	33	46	278	234	22	0	0	0	0	0	0	0	0	0	0	613
08:00	50	53	196	238	23	0	0	0	0	0	0	0	0	0	0	560
09:00	1	23	248	171	17	0	0	0	0	0	0	0	0	0	0	460
10:00	7	30	194	154	10	0	0	0	0	0	0	0	0	0	0	395
11:00	3	20	230	174	8	0	0	0	0	0	0	0	0	0	0	435
12 PM	4	29	233	171	12	0	1	0	0	0	0	0	0	0	0	450
13:00	3	23	226	187	11	0	0	0	0	0	0	0	0	0	0	450
14:00	5	45	269	186	15	0	0	0	0	0	0	0	0	0	0	520
15:00	26	48	291	239	11	0	0	0	0	0	0	0	0	0	0	615
16:00	169	132	191	105	5	0	0	0	0	0	0	0	0	0	0	602
17:00	5	37	230	257	32	0	0	0	0	0	0	0	0	0	0	561
18:00	0	2	184	199	14	0	0	0	0	0	0	0	0	0	0	399
19:00	2	15	161	118	13	0	1	0	0	0	0	0	0	0	0	310
20:00	2	10	80	63	21	0	0	0	0	0	0	0	0	0	0	176
21:00	1	5	59	62	11	0	0	0	0	0	0	0	0	0	0	138
22:00	0	5	23	37	2	0	0	0	0	0	0	0	0	0	0	67
23:00	0	1	20	24	3	1	1	0	0	0	0	0	0	0	0	50
Total	315	535	3168	2763	251	1	3	0	0	0	0	0	0	0	0	7036

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Tri-State Traffic Data Inc

184 Baker Rd
Coatesville PA 19320

"Serving Transportation Professionls Since 1995"

Location: Amherst, New York
Road Name: N Forest Dr
Segment: 305' N of Morgan Pkwy
Date: 09/21/2023

GPS: 42.980024, -78.769195

SB

Start Time	0 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 65	66 70	71 75	76 80	81 85	86 250	Total
09/22/23	0	1	3	10	3	0	0	0	0	0	0	0	0	0	0	17
01:00	0	0	1	3	0	0	0	0	0	0	0	0	0	0	0	4
02:00	0	0	2	2	0	0	0	0	0	0	0	0	0	0	0	4
03:00	0	0	2	6	1	0	0	0	0	0	0	0	0	0	0	9
04:00	0	1	5	2	2	0	0	0	0	0	0	0	0	0	0	10
05:00	0	2	16	32	14	1	0	0	0	0	0	0	0	0	0	65
06:00	4	6	60	121	16	0	0	0	0	0	0	0	0	0	0	207
07:00	19	44	196	242	28	0	0	0	0	0	0	0	0	0	0	529
08:00	54	51	216	222	12	1	0	0	0	0	0	0	0	0	0	556
09:00	2	14	180	183	17	0	0	0	0	0	0	0	0	0	0	396
10:00	10	25	176	157	15	0	0	0	0	0	0	0	0	0	0	383
11:00	13	38	184	197	15	0	0	0	0	0	0	0	0	0	0	447
12 PM	2	21	206	180	12	1	0	0	0	0	0	0	0	0	0	422
13:00	2	30	253	205	8	0	0	0	0	0	0	0	0	0	0	498
14:00	9	43	284	174	9	0	0	0	0	0	0	0	0	0	0	519
15:00	57	62	294	187	12	0	0	0	0	0	0	0	0	0	0	612
16:00	96	105	209	156	15	0	0	0	0	0	0	0	0	0	0	581
17:00	5	20	277	207	16	0	0	0	0	0	0	0	0	0	0	525
18:00	0	5	127	180	30	0	0	0	0	0	0	0	0	0	0	342
19:00	0	11	142	136	12	0	0	0	0	0	0	0	0	0	0	301
20:00	1	13	89	75	8	1	0	0	0	0	0	0	0	0	0	187
21:00	3	8	62	59	8	0	0	0	0	0	0	0	0	0	0	140
22:00	0	7	32	46	13	1	0	0	0	0	0	0	0	0	0	99
23:00	0	2	21	30	4	1	0	0	0	0	0	0	0	0	0	58
Total	277	509	3037	2812	270	6	0	0	0	0	0	0	0	0	0	6911

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Tri-State Traffic Data Inc

184 Baker Rd
Coatesville PA 19320

"Serving Transportation Professionls Since 1995"

Location: Amherst, New York
Road Name: N Forest Dr
Segment: 305' N of Morgan Pkwy
Date: 09/21/2023

GPS: 42.980024, -78.769195

SB

Start Time	0 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 65	66 70	71 75	76 80	81 85	86 250	Total
09/23/23	0	1	9	20	2	0	0	0	0	0	0	0	0	0	0	32
01:00	0	2	3	10	1	0	0	0	0	0	0	0	0	0	0	16
02:00	0	0	2	2	1	0	0	0	0	0	0	0	0	0	0	5
03:00	0	1	2	3	3	0	0	0	0	0	0	0	0	0	0	9
04:00	0	0	1	5	3	1	0	0	0	0	0	0	0	0	0	10
05:00	0	0	7	10	3	0	0	0	0	0	0	0	0	0	0	20
06:00	0	1	25	34	9	1	0	0	0	0	0	0	0	0	0	70
07:00	0	2	50	78	16	1	0	0	0	0	0	0	0	0	0	147
08:00	1	5	53	145	27	3	0	0	0	0	0	0	0	0	0	234
09:00	2	4	110	163	26	0	0	0	0	0	0	0	0	0	0	305
10:00	5	15	131	210	18	2	0	0	0	0	0	0	0	0	0	381
11:00	1	14	177	154	19	1	0	0	0	0	0	0	0	0	0	366
12 PM	3	26	186	189	15	1	0	0	0	0	0	0	0	0	0	420
13:00	1	9	134	173	18	2	0	0	0	0	0	0	0	0	0	337
14:00	2	21	181	177	18	0	0	0	0	0	0	0	0	0	0	399
15:00	0	14	169	177	21	0	0	0	0	0	0	0	0	0	0	381
16:00	1	8	124	175	22	0	1	0	0	0	0	0	0	0	0	331
17:00	2	17	121	167	19	0	0	0	0	0	0	0	0	0	0	326
18:00	1	8	133	124	21	0	0	0	0	0	0	0	0	0	0	287
19:00	4	15	112	92	9	0	0	0	0	0	0	0	0	0	0	232
20:00	0	11	89	73	8	1	0	0	0	0	0	0	0	0	0	182
21:00	0	5	54	58	5	0	0	0	0	0	0	0	0	0	0	122
22:00	0	6	29	42	5	0	0	0	0	0	0	0	0	0	0	82
23:00	1	4	25	32	5	2	0	0	0	0	0	0	0	0	0	69
Total	24	189	1927	2313	294	15	1	0	0	0	0	0	0	0	0	4763

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Tri-State Traffic Data Inc

184 Baker Rd
Coatesville PA 19320

"Serving Transportation Professionls Since 1995"

Location: Amherst, New York
Road Name: N Forest Dr
Segment: 305' N of Morgan Pkwy
Date: 09/21/2023

GPS: 42.980024, -78.769195

SB

Start Time	0 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 65	66 70	71 75	76 80	81 85	86 250	Total
09/24/23	0	4	4	9	1	1	0	0	0	0	0	0	0	0	0	19
01:00	0	1	9	1	1	0	0	0	0	0	0	0	0	0	0	12
02:00	1	1	4	4	3	0	0	0	0	0	0	0	0	0	0	13
03:00	0	0	1	5	2	0	0	0	0	0	0	0	0	0	0	8
04:00	0	0	1	7	0	0	0	0	0	0	0	0	0	0	0	8
05:00	0	0	6	7	2	0	0	0	0	0	0	0	0	0	0	15
06:00	0	3	10	27	8	0	0	0	0	0	0	0	0	0	0	48
07:00	0	3	28	42	5	0	0	0	0	0	0	0	0	0	0	78
08:00	1	6	35	87	8	1	0	0	0	0	0	0	0	0	0	138
09:00	0	15	91	115	16	0	0	0	0	0	0	0	0	0	0	237
10:00	1	8	123	152	16	0	0	0	0	0	0	0	0	0	0	300
11:00	1	7	126	153	18	0	0	0	0	0	0	0	0	0	0	305
12 PM	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
14:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
15:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
16:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
17:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
18:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
21:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
22:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
23:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Total	4	48	438	609	80	2	0	0	0	0	0	0	0	0	0	1181
Grand Total	620	1281	8570	8497	895	24	4	0	0	0	0	0	0	0	0	19891

Stats

15th Percentile :	25 MPH
50th Percentile :	29 MPH
85th Percentile :	33 MPH
95th Percentile :	34 MPH
Mean Speed(Average) :	30 MPH
10 MPH Pace Speed :	26-35 MPH
Number in Pace :	17092
Percent in Pace :	85.9%
Number of Vehicles > 35 MPH :	923
Percent of Vehicles > 35 MPH :	4.6%

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Tri-State Traffic Data Inc

184 Baker Rd
Coatesville PA 19320

"Serving Transportation Professionls Since 1995"

Location: Amherst, New York
Road Name: North Forest Rd
Segment: 305' N of Morgan Pkwy
Date: 09/20/2023

GPS: 42.980024, -78.769195

Start	18-Sep-23		Tue		Wed		Thu		Fri		Sat		Sun		Week Average	
Time	NB	SB	NB	SB	NB	SB	NB	SB	NB	SB	NB	SB	NB	SB	NB	SB
12:00 AM	*	*	*	*	*	*	*	*	34	17	62	32	43	19	46	23
01:00	*	*	*	*	*	*	*	*	8	4	28	16	25	12	20	11
02:00	*	*	*	*	*	*	*	*	9	4	10	5	11	13	10	7
03:00	*	*	*	*	*	*	*	*	3	9	7	9	13	8	8	9
04:00	*	*	*	*	*	*	*	*	9	10	15	10	15	8	13	9
05:00	*	*	*	*	*	*	*	*	53	65	21	20	14	15	29	33
06:00	*	*	*	*	*	*	194	235	180	207	55	70	39	48	117	140
07:00	*	*	*	*	*	*	297	**613**	274	529	103	147	64	78	184	342
08:00	*	*	*	*	*	*	**445**	560	**431**	**556**	190	234	126	138	298	372
09:00	*	*	*	*	*	*	347	460	383	396	225	305	**281**	237	309	350
10:00	*	*	*	*	*	*	397	395	320	383	288	**381**	233	300	310	365
11:00	*	*	*	*	*	*	388	435	351	447	**318**	366	280	**305**	**334**	**388**
12:00 PM	*	*	*	*	*	*	390	450	394	422	**380**	**420**	*	*	388	431
01:00	*	*	*	*	*	*	419	450	455	498	328	337	*	*	401	428
02:00	*	*	*	*	*	*	506	520	482	519	362	399	*	*	450	479
03:00	*	*	*	*	*	*	499	**615**	**528**	**612**	343	381	*	*	457	**536**
04:00	*	*	*	*	*	*	**565**	602	505	581	321	331	*	*	**464**	505
05:00	*	*	*	*	*	*	549	561	461	525	284	326	*	*	431	471
06:00	*	*	*	*	*	*	361	399	361	342	269	287	*	*	330	343
07:00	*	*	*	*	*	*	319	310	289	301	213	232	*	*	274	281
08:00	*	*	*	*	*	*	229	176	186	187	158	182	*	*	191	182
09:00	*	*	*	*	*	*	164	138	162	140	166	122	*	*	164	133
10:00	*	*	*	*	*	*	98	67	108	99	121	82	*	*	109	83
11:00	*	*	*	*	*	*	42	50	106	58	70	69	*	*	73	59
Lane	0	0	0	0	0	0	6209	7036	6092	6911	4337	4763	1144	1181	5410	5980
Day	0		0		0		13245		13003		9100		2325		11390	
AM Peak	-	-	-	-	-	-	08:00	07:00	08:00	08:00	11:00	10:00	09:00	11:00	11:00	11:00
Vol.	-	-	-	-	-	-	445	613	431	556	318	381	281	305	334	388
PM Peak	-	-	-	-	-	-	16:00	15:00	15:00	15:00	12:00	12:00	-	-	16:00	15:00
Vol.	-	-	-	-	-	-	565	615	528	612	380	420	-	-	464	536

Comb. Total	0	0	0	13245	13003	9100	2325	11390

ADT ADT 11,319 AADT 11,319

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Location: Amherst, New York
Road Name: Sheridan Dr
Segment: 775' E of Fenwick, Rd
Date: 09/21/2023

Tri-State Traffic Data Inc

184 Baker Rd
Coatesville PA 19320

"Serving Transportation Professionls Since 1995"

GPS: 42.978048, -78.771207

EB

Start Time	0 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 65	66 70	71 75	76 80	81 85	86 250	Total
09/21/23	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
01:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
02:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
03:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
04:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
05:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
06:00	3	0	2	18	64	150	191	97	22	9	0	0	0	0	0	556
07:00	77	77	78	110	183	285	238	117	20	0	1	0	0	0	0	1186
08:00	74	78	87	129	261	345	223	78	3	3	0	0	0	0	0	1281
09:00	0	0	5	36	145	377	350	134	29	4	0	0	0	0	0	1080
10:00	0	3	10	49	213	404	288	86	15	3	0	0	0	0	0	1071
11:00	2	4	6	72	221	368	235	84	11	2	0	0	0	0	0	1005
12 PM	1	4	19	56	275	370	265	78	16	2	0	0	1	0	0	1087
13:00	1	6	31	80	189	377	274	91	14	1	0	0	0	0	0	1064
14:00	1	2	35	128	326	402	248	57	3	0	0	0	0	0	0	1202
15:00	19	25	43	155	322	398	255	118	13	1	0	0	0	0	0	1349
16:00	139	123	186	297	362	279	121	50	3	2	1	0	0	0	0	1563
17:00	106	75	144	195	292	341	208	79	11	2	0	0	0	0	0	1453
18:00	0	0	9	23	143	325	288	152	26	2	1	0	0	0	0	969
19:00	0	0	1	30	116	237	252	98	13	4	0	0	0	0	0	751
20:00	0	1	2	26	112	164	152	65	20	1	0	0	0	0	0	543
21:00	0	0	1	11	53	150	127	65	11	1	1	0	0	0	0	420
22:00	0	0	0	3	13	82	84	46	7	2	0	1	0	0	0	238
23:00	0	0	0	2	10	28	48	39	10	0	1	0	0	0	0	138
Total	423	398	659	1420	3300	5082	3847	1534	247	39	5	1	1	0	0	16956

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Location: Amherst, New York
Road Name: Sheridan Dr
Segment: 775' E of Fenwick, Rd
Date: 09/21/2023

Tri-State Traffic Data Inc

184 Baker Rd
Coatesville PA 19320
"Serving Transportation Professionls Since 1995"

GPS: 42.978048, -78.771207

EB

Start Time	0 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 65	66 70	71 75	76 80	81 85	86 250	Total
09/22/23	0	0	0	0	1	8	22	20	4	0	1	0	0	0	0	56
01:00	0	0	0	1	1	7	14	9	2	1	0	1	0	0	0	36
02:00	0	0	0	0	1	2	7	9	2	2	0	0	0	0	0	23
03:00	0	0	0	0	2	8	8	8	0	0	0	0	0	0	0	26
04:00	0	0	0	0	0	10	19	14	2	0	0	0	0	0	0	45
05:00	0	0	0	2	11	31	69	54	13	1	0	0	0	0	0	181
06:00	0	0	1	12	51	169	193	90	24	4	0	0	0	0	0	544
07:00	33	38	64	108	195	301	219	130	31	4	0	0	0	0	0	1123
08:00	13	13	38	78	207	381	321	139	18	3	0	0	0	0	0	1211
09:00	0	1	2	35	182	310	333	128	15	1	0	0	0	0	1	1008
10:00	0	0	3	23	163	305	282	130	19	5	0	0	0	0	0	930
11:00	0	1	5	35	173	358	294	95	14	2	1	0	0	0	0	978
12 PM	0	0	0	42	185	389	311	118	16	4	0	0	0	0	0	1065
13:00	0	0	5	73	234	397	276	93	11	1	0	0	0	0	0	1090
14:00	4	6	23	77	266	436	277	73	7	2	0	0	0	0	0	1171
15:00	20	50	77	158	367	437	205	81	9	0	0	0	0	0	0	1404
16:00	25	36	105	199	379	323	205	80	6	6	0	0	0	0	0	1364
17:00	0	14	27	100	287	392	269	95	20	3	0	0	0	0	0	1207
18:00	0	0	8	49	169	295	273	121	27	2	0	1	0	0	0	945
19:00	1	0	4	21	112	233	210	95	17	2	0	0	0	0	0	695
20:00	0	0	4	17	73	193	145	73	9	3	1	0	0	0	0	518
21:00	1	0	1	9	63	168	145	53	5	1	0	0	0	0	0	446
22:00	0	0	0	7	23	104	113	51	13	3	0	0	0	1	0	315
23:00	0	0	0	1	11	77	95	62	6	0	0	0	0	0	0	252
Total	97	159	367	1047	3156	5334	4305	1821	290	50	3	2	0	1	1	16633

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Location: Amherst, New York
Road Name: Sheridan Dr
Segment: 775' E of Fenwick, Rd
Date: 09/21/2023

Tri-State Traffic Data Inc

184 Baker Rd
Coatesville PA 19320
"Serving Transportation Professionls Since 1995"

GPS: 42.978048, -78.771207

EB

Start Time	0 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 65	66 70	71 75	76 80	81 85	86 250	Total
09/23/23	0	0	0	2	13	25	48	29	7	2	0	0	0	0	0	126
01:00	0	0	1	0	4	11	16	18	2	0	0	0	1	0	0	53
02:00	0	0	0	0	2	7	18	1	0	0	0	0	0	0	0	28
03:00	0	0	0	0	3	7	10	7	0	0	0	0	0	0	0	27
04:00	0	0	0	0	0	10	14	10	4	0	0	0	0	0	0	38
05:00	0	0	0	1	7	16	29	24	5	3	0	0	0	0	0	85
06:00	0	0	0	3	15	52	78	50	13	2	0	0	0	0	0	213
07:00	0	0	0	7	17	98	121	75	20	3	1	1	0	0	0	343
08:00	0	0	0	21	86	193	182	132	24	2	0	0	0	0	0	640
09:00	0	0	0	12	79	252	249	109	21	3	1	0	0	0	0	726
10:00	0	0	2	37	163	300	289	93	16	1	0	0	0	0	0	901
11:00	0	0	1	22	153	377	273	127	14	1	0	0	0	0	0	968
12 PM	2	0	10	62	191	390	294	120	11	3	0	0	0	0	0	1083
13:00	0	0	2	29	166	352	308	115	15	4	0	1	0	0	0	992
14:00	0	0	11	47	202	392	268	110	14	0	0	0	0	0	0	1044
15:00	0	0	2	22	105	329	282	139	21	4	0	0	0	0	0	904
16:00	0	0	4	34	120	279	315	113	24	2	0	0	1	0	0	892
17:00	0	0	2	26	99	274	276	134	19	2	0	0	0	0	0	832
18:00	1	0	2	21	101	208	236	125	24	4	1	0	0	0	0	723
19:00	0	0	4	30	99	211	170	77	15	3	0	0	0	0	0	609
20:00	0	0	2	12	60	215	138	62	23	0	1	0	0	0	0	513
21:00	0	0	0	7	35	141	117	59	3	1	0	0	0	0	0	363
22:00	0	0	2	4	25	110	105	55	6	1	0	0	0	0	0	308
23:00	0	0	0	0	28	44	89	57	9	0	0	0	0	0	0	227
Total	3	0	45	399	1773	4293	3925	1841	310	41	4	2	2	0	0	12638

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Location: Amherst, New York
Road Name: Sheridan Dr
Segment: 775' E of Fenwick, Rd
Date: 09/21/2023

Tri-State Traffic Data Inc
184 Baker Rd
Coatesville PA 19320
"Serving Transportation Professionls Since 1995"

GPS: 42.978048, -78.771207

EB

Start Time	0 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 65	66 70	71 75	76 80	81 85	86 250	Total
09/24/23	0	0	0	0	10	26	41	25	9	1	0	0	0	0	0	112
01:00	0	0	0	0	7	16	26	16	2	0	0	0	0	0	0	67
02:00	0	0	0	0	1	4	13	17	2	1	0	0	0	0	0	38
03:00	0	0	0	0	0	9	14	5	0	1	0	1	0	0	0	30
04:00	0	0	0	0	1	7	12	9	1	1	0	0	0	0	0	31
05:00	0	0	0	0	4	16	25	31	6	0	1	0	0	0	0	83
06:00	0	0	0	1	8	27	47	37	6	3	1	0	0	0	0	130
07:00	0	0	0	1	12	61	87	39	9	4	1	0	0	0	0	214
08:00	0	0	0	4	20	101	155	61	14	6	0	0	0	0	0	361
09:00	2	0	0	4	59	206	218	101	17	6	1	1	0	0	0	615
10:00	0	0	0	10	103	223	196	106	21	2	0	0	0	0	0	661
11:00	0	0	4	8	79	235	266	146	19	4	0	0	0	0	0	761
12 PM	0	0	12	65	210	340	289	160	19	1	0	0	1	0	0	1097
13:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
14:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
15:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
16:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
17:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
18:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
21:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
22:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
23:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Total	2	0	16	93	514	1271	1389	753	125	30	4	2	1	0	0	4200
Grand Total	525	557	1087	2959	8743	15980	13466	5949	972	160	16	7	4	1	1	50427

Stats

15th Percentile :	36 MPH
50th Percentile :	43 MPH
85th Percentile :	49 MPH
95th Percentile :	53 MPH
Mean Speed(Average) :	44 MPH
10 MPH Pace Speed :	41-50 MPH
Number in Pace :	29461
Percent in Pace :	58.4%
Number of Vehicles > 45 MPH :	20576
Percent of Vehicles > 45 MPH :	40.8%

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Location: Amherst, NY
Road Name: Sheridan Dr
Segment: 775' E of Fenwick Rd
Date: 09/21/2023

Tri-State Traffic Data Inc

184 Baker Rd
Coatesville PA 19320

"Serving Transportation Professionls Since 1995"

GPS: 42.978048, -78.771207

Start Time	Mon 18-Sep-23	Tue 19-Sep-23	Wed 20-Sep-23	Thu 21-Sep-23	Fri 22-Sep-23	Average Day	Sat 23-Sep-23	Sun 24-Sep-23	Week Average
12:00 AM	*	*	*	*	56	56	126	112	98
01:00	*	*	*	*	36	36	53	67	52
02:00	*	*	*	*	23	23	28	38	30
03:00	*	*	*	*	26	26	27	30	28
04:00	*	*	*	*	45	45	38	31	38
05:00	*	*	*	*	181	181	85	83	116
06:00	*	*	*	555	541	548	213	130	360
07:00	*	*	*	1186	1121	1154	343	214	716
08:00	*	*	*	**1279**	**1211**	**1245**	640	361	873
09:00	*	*	*	1078	1006	1042	724	615	856
10:00	*	*	*	1070	929	1000	900	661	890
11:00	*	*	*	1005	975	990	**968**	**758**	**926**
12:00 PM	*	*	*	1086	1065	1076	**1081**	**1097**	1082
01:00	*	*	*	1062	1088	1075	991	*	1047
02:00	*	*	*	1201	1169	1185	1043	*	1138
03:00	*	*	*	1347	**1404**	1376	902	*	1218
04:00	*	*	*	**1562**	1364	**1463**	892	*	**1273**
05:00	*	*	*	1452	1206	1329	831	*	1163
06:00	*	*	*	969	945	957	723	*	879
07:00	*	*	*	750	695	722	609	*	685
08:00	*	*	*	542	518	530	513	*	524
09:00	*	*	*	420	446	433	363	*	410
10:00	*	*	*	238	315	276	308	*	287
11:00	*	*	*	138	252	195	227	*	206
Day Total	0	0	0	16940	16617	16963	12628	4197	14895
% Avg. WkDay	0.0%	0.0%	0.0%	99.9%	98.0%				
% Avg. Week	0.0%	0.0%	0.0%	113.7%	111.6%	113.9%	84.8%	28.2%	
AM Peak	-	-	-	08:00	08:00	- 08:00	- 11:00	11:00	- 11:00 - -
Vol.	-	-	-	1279	1211	- 1245	- 968	758	- 926 - -
PM Peak	-	-	-	16:00	15:00	- 16:00	- 12:00	12:00	- 16:00 - -
Vol.	-	-	-	1562	1404	- 1463	- 1081	1097	- 1273 - -
Grand Total	0	0	0	16940	16617	16963	12628	4197	14895

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

ADT ADT 14,794 AADT 14,794

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Tri-State Traffic Data Inc

184 Baker Rd
Coatesville PA 19320

"Serving Transportation Professionls Since 1995"

Location: Amherst, New York
Road Name: Sheridan Dr
Segment: 670' E of Fenwick Rd
Date: 09/21/2023

GPS: 42.978249, -78.77159

WB

Start Time	0 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 65	66 70	71 75	76 80	81 85	86 250	Total
09/21/23	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
01:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
02:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
03:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
04:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
05:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
06:00	0	1	0	1	23	133	208	128	23	4	0	1	0	0	0	522
07:00	0	0	0	9	88	371	427	190	28	8	4	1	0	0	0	1126
08:00	0	0	2	17	118	456	327	110	13	4	2	0	0	0	0	1049
09:00	0	0	0	10	84	384	384	113	20	2	1	0	0	0	0	998
10:00	0	0	0	4	133	356	320	98	24	2	1	0	0	0	0	938
11:00	1	0	3	27	141	387	317	100	16	3	0	0	0	0	0	995
12 PM	0	0	0	5	115	465	355	108	16	3	0	0	0	0	0	1067
13:00	1	0	0	20	125	446	326	101	13	1	0	0	0	0	0	1033
14:00	0	0	1	16	178	495	346	128	14	4	0	0	0	0	0	1182
15:00	0	2	6	18	168	500	390	151	19	5	3	0	0	0	0	1262
16:00	0	0	0	7	159	533	478	160	27	6	3	1	0	0	0	1374
17:00	0	0	10	25	115	484	504	200	24	4	0	1	0	0	0	1367
18:00	0	0	0	4	70	315	386	178	36	8	1	0	0	0	0	998
19:00	0	0	0	5	75	309	285	95	15	1	0	0	0	0	0	785
20:00	0	0	0	0	32	195	237	103	16	2	0	0	0	0	0	585
21:00	0	0	0	3	33	134	171	83	13	3	0	0	0	0	0	440
22:00	0	0	1	1	11	53	97	68	11	5	0	0	0	0	0	247
23:00	0	0	0	1	7	37	61	33	7	2	0	0	0	0	0	148
Total	2	3	23	173	1675	6053	5619	2147	335	67	15	4	0	0	0	16116

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Tri-State Traffic Data Inc

184 Baker Rd
Coatesville PA 19320

"Serving Transportation Professionls Since 1995"

Location: Amherst, New York
Road Name: Sheridan Dr
Segment: 670' E of Fenwick Rd
Date: 09/21/2023

GPS: 42.978249, -78.77159

WB

Start Time	0 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 65	66 70	71 75	76 80	81 85	86 250	Total
09/22/23	0	0	0	1	4	7	32	16	5	0	0	0	0	0	0	65
01:00	0	0	0	1	0	7	14	7	3	0	0	0	0	0	0	32
02:00	0	0	0	0	1	3	6	3	0	0	0	0	0	0	0	13
03:00	0	0	0	0	0	3	8	7	1	1	2	0	0	0	0	22
04:00	0	0	0	1	2	7	18	8	6	0	0	0	0	0	0	42
05:00	0	0	1	1	9	24	77	52	13	2	1	0	0	0	0	180
06:00	0	0	0	1	23	109	200	138	27	5	0	1	0	0	0	504
07:00	1	0	0	4	56	319	439	190	41	5	3	0	0	0	0	1058
08:00	0	0	1	23	85	356	385	166	29	0	0	0	0	0	0	1045
09:00	0	0	1	0	89	327	369	149	26	3	1	0	0	0	0	965
10:00	0	0	3	22	118	346	287	141	18	5	0	0	0	0	0	940
11:00	0	1	1	20	128	350	329	146	12	5	0	0	0	0	0	992
12 PM	0	0	0	8	119	428	354	127	22	1	0	0	0	0	0	1059
13:00	0	0	0	3	104	391	364	147	23	2	0	0	0	0	0	1034
14:00	0	0	0	12	164	464	417	138	19	6	0	0	0	0	0	1220
15:00	0	0	1	22	110	436	397	157	26	7	1	0	0	0	0	1157
16:00	0	0	0	16	142	485	456	164	42	7	0	0	0	0	0	1312
17:00	0	0	3	28	137	449	423	162	29	6	1	0	0	0	0	1238
18:00	0	0	0	16	86	291	387	177	30	3	1	0	0	0	0	991
19:00	0	0	0	7	95	240	285	92	14	6	1	1	0	0	0	741
20:00	0	0	0	17	90	181	176	61	10	2	2	0	0	0	0	539
21:00	1	0	2	13	71	181	141	45	4	0	0	0	0	0	0	458
22:00	0	0	0	4	12	85	111	92	24	5	0	0	0	0	0	333
23:00	0	0	0	1	8	56	80	44	15	0	0	0	0	0	0	204
Total	2	1	13	221	1653	5545	5755	2429	439	71	13	2	0	0	0	16144

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Tri-State Traffic Data Inc

184 Baker Rd
Coatesville PA 19320

"Serving Transportation Professionls Since 1995"

Location: Amherst, New York
Road Name: Sheridan Dr
Segment: 670' E of Fenwick Rd
Date: 09/21/2023

GPS: 42.978249, -78.77159

WB

Start Time	0 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 65	66 70	71 75	76 80	81 85	86 250	Total
09/23/23	0	0	0	0	5	21	48	24	4	1	0	0	0	0	0	103
01:00	0	0	0	1	1	16	21	24	4	0	0	0	0	0	0	67
02:00	0	0	0	0	1	1	8	8	0	0	0	0	1	0	0	19
03:00	0	0	0	0	1	3	12	4	0	1	0	1	0	0	0	22
04:00	0	0	0	0	2	5	11	5	1	2	0	0	0	0	0	26
05:00	0	0	0	1	5	19	19	14	4	0	0	0	0	0	0	62
06:00	0	0	0	0	9	44	50	49	10	3	0	0	0	0	0	165
07:00	0	0	0	1	14	63	153	88	25	5	1	0	0	0	0	350
08:00	0	0	0	2	18	130	213	142	37	5	6	0	0	0	0	553
09:00	0	0	0	2	70	262	273	115	16	3	0	0	0	0	1	742
10:00	0	0	0	4	52	321	374	143	20	1	0	0	0	0	0	915
11:00	0	1	0	2	79	351	355	134	23	1	0	0	0	0	0	946
12 PM	0	0	1	3	84	348	372	134	13	4	1	0	0	0	0	960
13:00	0	0	0	0	60	344	394	170	27	2	1	0	0	0	1	999
14:00	0	0	0	3	73	326	378	165	31	3	1	0	0	0	0	980
15:00	1	0	0	5	56	318	359	173	32	5	0	0	0	0	1	950
16:00	0	0	0	5	41	284	371	143	27	3	1	0	0	0	0	875
17:00	0	0	0	0	53	279	355	158	31	2	2	0	0	0	0	880
18:00	0	0	0	0	37	246	302	134	30	7	1	2	0	0	0	759
19:00	0	0	0	7	53	206	228	124	14	2	0	0	0	0	0	634
20:00	0	0	0	2	48	150	202	92	15	2	2	0	0	0	0	513
21:00	0	0	0	4	33	128	176	64	6	1	0	0	0	0	0	412
22:00	0	0	0	2	10	86	106	62	17	1	1	0	0	0	0	285
23:00	0	1	0	2	13	53	85	51	12	2	0	0	0	0	0	219
Total	1	2	1	46	818	4004	4865	2220	399	56	17	3	1	0	3	12436

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Tri-State Traffic Data Inc

184 Baker Rd
Coatesville PA 19320

"Serving Transportation Professionls Since 1995"

Location: Amherst, New York
Road Name: Sheridan Dr
Segment: 670' E of Fenwick Rd
Date: 09/21/2023

GPS: 42.978249, -78.77159

WB

Start Time	0 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 65	66 70	71 75	76 80	81 85	86 250	Total
09/24/23	0	0	0	0	4	18	42	42	6	2	0	2	0	0	0	116
01:00	0	0	0	1	1	7	19	15	3	0	0	0	0	0	0	46
02:00	0	1	0	1	0	9	13	6	2	0	0	0	0	0	0	32
03:00	0	0	0	0	0	4	5	6	1	0	0	0	0	0	0	16
04:00	0	0	0	0	0	2	9	1	3	0	1	0	0	1	0	17
05:00	0	0	0	1	0	7	14	9	2	1	0	0	0	0	0	34
06:00	0	0	0	1	5	22	49	30	15	0	0	0	1	0	0	123
07:00	0	0	0	0	12	34	60	58	9	4	0	0	0	0	0	177
08:00	0	0	0	1	13	56	172	92	13	4	1	1	1	0	0	354
09:00	0	0	0	2	24	153	230	121	20	3	0	0	0	1	0	554
10:00	0	0	0	2	26	213	236	147	32	7	0	0	0	0	0	663
11:00	0	0	0	1	35	230	283	168	27	5	0	1	0	0	0	750
12 PM	20	23	17	37	72	268	264	141	12	3	0	1	0	0	0	858
13:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
14:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
15:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
16:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
17:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
18:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
21:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
22:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
23:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Total	20	24	17	47	192	1023	1396	836	145	29	2	5	2	2	0	3740
Grand Total	25	30	54	487	4338	16625	17635	7632	1318	223	47	14	3	2	3	48436

Stats

15th Percentile :	40 MPH
50th Percentile :	45 MPH
85th Percentile :	51 MPH
95th Percentile :	54 MPH
Mean Speed(Average) :	46 MPH
10 MPH Pace Speed :	41-50 MPH
Number in Pace :	34261
Percent in Pace :	70.7%
Number of Vehicles > 45 MPH :	26877
Percent of Vehicles > 45 MPH :	55.5%

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Tri-State Traffic Data Inc

184 Baker Rd
Coatesville PA 19320

"Serving Transportation Professionls Since 1995"

Location: Amherst, New York
Road Name: Sheridan Dr
Segment: 670' E of Fenwick Rd
Date: 09/20/2023

GPS: 42.978249, -78.77159

Start Time	Mon 18-Sep-23	Tue 19-Sep-23	Wed 20-Sep-23	Thu 21-Sep-23	Fri 22-Sep-23	Average Day	Sat 23-Sep-23	Sun 24-Sep-23	Week Average
12:00 AM	*	*	*	*	65	65	103	116	95
01:00	*	*	*	*	32	32	67	46	48
02:00	*	*	*	*	13	13	19	32	21
03:00	*	*	*	*	22	22	22	16	20
04:00	*	*	*	*	42	42	26	17	28
05:00	*	*	*	*	180	180	62	34	92
06:00	*	*	*	520	504	512	165	123	328
07:00	*	*	*	**1125**	**1057**	**1091**	350	177	677
08:00	*	*	*	1049	1043	1046	553	354	750
09:00	*	*	*	998	963	980	741	554	814
10:00	*	*	*	937	939	938	914	663	863
11:00	*	*	*	994	991	992	**946**	**750**	**920**
12:00 PM	*	*	*	1067	1059	1063	958	**857**	985
01:00	*	*	*	1033	1034	1034	**998**	*	1022
02:00	*	*	*	1182	1218	1200	980	*	1127
03:00	*	*	*	1259	1156	1208	949	*	1121
04:00	*	*	*	**1373**	**1310**	**1342**	875	*	**1186**
05:00	*	*	*	1367	1237	1302	879	*	1161
06:00	*	*	*	997	990	994	758	*	915
07:00	*	*	*	784	741	762	634	*	720
08:00	*	*	*	585	539	562	513	*	546
09:00	*	*	*	440	458	449	412	*	437
10:00	*	*	*	247	333	290	285	*	288
11:00	*	*	*	148	204	176	219	*	190
Day Total	0	0	0	16105	16130	16295	12428	3739	14354
% Avg. WkDay	0.0%	0.0%	0.0%	98.8%	99.0%				
% Avg. Week	0.0%	0.0%	0.0%	112.2%	112.4%	113.5%	86.6%	26.0%	
AM Peak	-	-	-	07:00	07:00	- 07:00	- 11:00	11:00	- 11:00 - -
Vol.	-	-	-	1125	1057	- 1091	- 946	750	- 920 - -
PM Peak	-	-	-	16:00	16:00	- 16:00	- 13:00	12:00	- 16:00 - -
Vol.	-	-	-	1373	1310	- 1342	- 998	857	- 1186 - -
Grand Total	0	0	0	16105	16130	16295	12428	3739	14354

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

ADT ADT 14,226 AADT 14,226

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Sheridan Drive - Harlem Road to N Forest Road

Year	Combined Volume	% Growth
2011	39724	
2019	36681	-0.99%

Niagara Falls Boulevard from Rt 290 to Maple Road

2011		2019
39724		36681
	-0.99%	

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Appendix D – Synchro Reports

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Existing PM
1: Harlem Road & Sheridan Drive

Amherst Central Park
10/12/2023

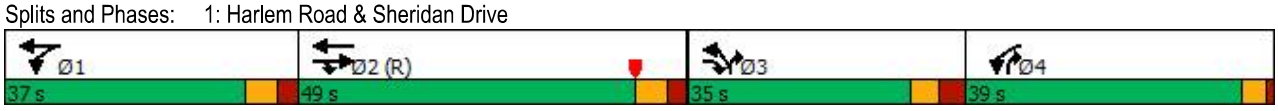
Lane Group	EBT	EBR	WBL	WBT	NBL	NBR	Ø1	Ø4
Lane Configurations								
Traffic Volume (vph)	810	309	350	744	187	888		
Future Volume (vph)	810	309	350	744	187	888		
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900		
Storage Length (ft)		0	230		0	0		
Storage Lanes		1	1		2	2		
Taper Length (ft)			25		25			
Lane Util. Factor	0.95	1.00	0.97	0.95	0.97	0.88		
Frt		0.850				0.850		
Flt Protected			0.950		0.950			
Satd. Flow (prot)	3539	1583	3433	3539	3433	2787		
Flt Permitted			0.950		0.950			
Satd. Flow (perm)	3539	1583	3433	3539	3433	2787		
Right Turn on Red		Yes				Yes		
Satd. Flow (RTOR)		315				817		
Link Speed (mph)	45			45	35			
Link Distance (ft)	570			576	995			
Travel Time (s)	8.6			8.7	19.4			
Peak Hour Factor	0.98	0.98	0.98	0.98	0.98	0.98		
Adj. Flow (vph)	827	315	357	759	191	906		
Shared Lane Traffic (%)								
Lane Group Flow (vph)	827	315	357	759	191	906		
Turn Type	NA	pt+ov	Prot	NA	Prot	custom		
Protected Phases	2	2 3	1 4	2 1	3	3 4	1	4
Permitted Phases								
Detector Phase	2	2 3	1 4	2 1	3	3 4		
Switch Phase								
Minimum Initial (s)	5.0				5.0		5.0	5.0
Minimum Split (s)	24.7				24.9		24.7	22.5
Total Split (s)	49.0				35.0		37.0	39.0
Total Split (%)	30.6%				21.9%		23%	24%
Maximum Green (s)	42.3				28.1		30.3	34.7
Yellow Time (s)	4.0				3.6		4.0	3.2
All-Red Time (s)	2.7				3.3		2.7	1.1
Lost Time Adjust (s)	0.0				0.0			
Total Lost Time (s)	6.7				6.9			
Lead/Lag	Lag				Lead		Lead	Lag
Lead-Lag Optimize?								
Vehicle Extension (s)	3.0				3.0		3.0	3.0
Recall Mode	C-Max				Min		None	None
Walk Time (s)	7.0				7.0		7.0	7.0
Flash Dont Walk (s)	11.0				11.0		11.0	11.0
Pedestrian Calls (#/hr)	0				0		0	0
Act Effct Green (s)	69.7	95.3	51.3	102.4	18.6	44.0		
Actuated g/C Ratio	0.44	0.60	0.32	0.64	0.12	0.28		
v/c Ratio	0.54	0.29	0.32	0.34	0.48	0.67		
Control Delay	37.9	2.7	40.0	3.4	69.1	7.5		
Queue Delay	0.0	0.0	0.0	0.5	0.0	0.2		
Total Delay	37.9	2.7	40.0	3.8	69.1	7.7		

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Lane Group	EBT	EBR	WBL	WBT	NBL	NBR	Ø1	Ø4
LOS	D	A	D	A	E	A		
Approach Delay	28.2			15.4	18.4			
Approach LOS	C			B	B			
90th %ile Green (s)	44.7				28.1		37.6	25.0
90th %ile Term Code	Coord				Max		Gap	Gap
70th %ile Green (s)	63.1				20.1		29.1	23.1
70th %ile Term Code	Coord				Gap		Gap	Gap
50th %ile Green (s)	71.5				17.1		25.0	21.8
50th %ile Term Code	Coord				Gap		Gap	Gap
30th %ile Green (s)	79.1				15.5		21.3	19.5
30th %ile Term Code	Coord				Gap		Gap	Gap
10th %ile Green (s)	90.3				12.3		16.7	16.1
10th %ile Term Code	Coord				Gap		Gap	Gap
Queue Length 50th (ft)	325	0	106	30	98	40		
Queue Length 95th (ft)	515	51	76	169	131	96		
Internal Link Dist (ft)	490			496	915			
Turn Bay Length (ft)			230					
Base Capacity (vph)	1542	1145	1226	2233	602	1526		
Starvation Cap Reductn	0	0	0	947	0	0		
Spillback Cap Reductn	0	0	0	0	0	125		
Storage Cap Reductn	0	0	0	0	0	0		
Reduced v/c Ratio	0.54	0.28	0.29	0.59	0.32	0.65		

Intersection Summary			
Area Type:	Other		
Cycle Length: 160			
Actuated Cycle Length: 160			
Offset: 157 (98%), Referenced to phase 2:EBWB, Start of Yellow			
Natural Cycle: 100			
Control Type: Actuated-Coordinated			
Maximum v/c Ratio: 0.67			
Intersection Signal Delay: 20.7		Intersection LOS: C	
Intersection Capacity Utilization 64.8%		ICU Level of Service C	
Analysis Period (min) 15			

Splits and Phases: 1: Harlem Road & Sheridan Drive



Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Existing PM
2: I-290 Ramps & Sheridan Drive

Amherst Central Park
10/12/2023

Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (vph)	264	1407	0	0	931	682	145	0	314	0	0	0
Future Volume (vph)	264	1407	0	0	931	682	145	0	314	0	0	0
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Storage Length (ft)	150		0	150		0	0		0	0		0
Storage Lanes	1		0	0		0	1		1	0		0
Taper Length (ft)	25			25			25			25		
Lane Util. Factor	1.00	0.91	1.00	1.00	0.91	0.91	0.95	0.91	0.95	1.00	1.00	1.00
Frt					0.937			0.863	0.850			
Flt Protected	0.950						0.950	0.996				
Satd. Flow (prot)	1770	5085	0	0	4765	0	1681	1457	1504	0	0	0
Flt Permitted	0.053						0.950	0.996				
Satd. Flow (perm)	99	5085	0	0	4765	0	1681	1457	1504	0	0	0
Right Turn on Red			Yes			Yes			Yes			No
Satd. Flow (RTOR)					136			59	59			
Link Speed (mph)		45			45			30			30	
Link Distance (ft)		576			428			842			263	
Travel Time (s)		8.7			6.5			19.1			6.0	
Peak Hour Factor	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
Adj. Flow (vph)	272	1451	0	0	960	703	149	0	324	0	0	0
Shared Lane Traffic (%)							10%		48%			
Lane Group Flow (vph)	272	1451	0	0	1663	0	134	171	168	0	0	0
Turn Type	pm+pt	NA			NA		Prot	NA	Prot			
Protected Phases	1	6			2		7	3	3			
Permitted Phases	6											
Detector Phase	1	6			2		7	3	3			
Switch Phase												
Minimum Initial (s)	5.0	5.0			5.0		5.0	5.0	5.0			
Minimum Split (s)	10.8	23.8			23.8		9.5	22.5	22.5			
Total Split (s)	36.0	105.0			69.0		55.0	55.0	55.0			
Total Split (%)	22.5%	65.6%			43.1%		34.4%	34.4%	34.4%			
Maximum Green (s)	30.2	99.2			63.2		50.5	50.5	50.5			
Yellow Time (s)	4.3	4.3			4.3		3.5	3.5	3.5			
All-Red Time (s)	1.5	1.5			1.5		1.0	1.0	1.0			
Lost Time Adjust (s)	0.0	0.0			0.0		0.0	0.0	0.0			
Total Lost Time (s)	5.8	5.8			5.8		4.5	4.5	4.5			
Lead/Lag	Lead				Lag							
Lead-Lag Optimize?												
Vehicle Extension (s)	3.0	3.0			3.0		3.0	3.0	3.0			
Recall Mode	None	C-Max			C-Max		None	None	None			
Walk Time (s)		7.0			7.0			7.0	7.0			
Flash Dont Walk (s)		11.0			11.0			11.0	11.0			
Pedestrian Calls (#/hr)		0			0			0	0			
Act Effct Green (s)	99.2	99.2			69.3		50.5	50.5	50.5			
Actuated g/C Ratio	0.62	0.62			0.43		0.32	0.32	0.32			
v/c Ratio	0.87	0.46			0.91dr		0.25	0.34	0.33			
Control Delay	63.1	25.1			21.0		42.3	29.1	28.5			
Queue Delay	0.0	1.0			0.0		0.0	0.0	0.0			
Total Delay	63.1	26.1			21.0		42.3	29.1	28.5			

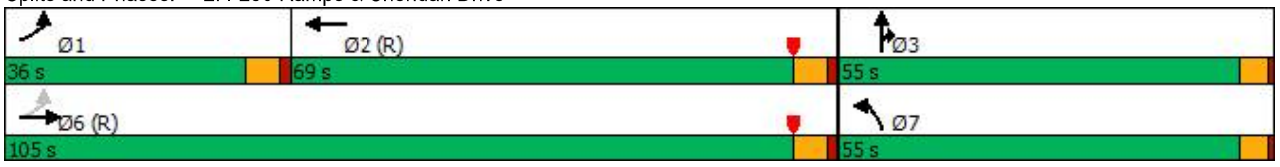
Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
LOS	E	C			C		D	C	C			
Approach Delay		32.0			21.0			32.7				
Approach LOS		C			C			C				
90th %ile Green (s)	30.2	99.2			63.2		50.5	50.5	50.5			
90th %ile Term Code	Max	Coord			Coord		Hold	Max	Max			
70th %ile Green (s)	28.8	99.2			64.6		50.5	50.5	50.5			
70th %ile Term Code	Gap	Coord			Coord		Hold	Max	Max			
50th %ile Green (s)	25.0	99.2			68.4		50.5	50.5	50.5			
50th %ile Term Code	Gap	Coord			Coord		Hold	Max	Max			
30th %ile Green (s)	21.1	99.2			72.3		50.5	50.5	50.5			
30th %ile Term Code	Gap	Coord			Coord		Hold	Max	Max			
10th %ile Green (s)	15.5	99.2			77.9		50.5	50.5	50.5			
10th %ile Term Code	Gap	Coord			Coord		Hold	Max	Max			
Queue Length 50th (ft)	240	345			560		110	96	90			
Queue Length 95th (ft)	343	525			637		173	174	162			
Internal Link Dist (ft)		496			348			762			183	
Turn Bay Length (ft)	150											
Base Capacity (vph)	376	3152			2140		530	500	515			
Starvation Cap Reductn	0	1337			0		0	0	0			
Spillback Cap Reductn	0	0			0		0	0	0			
Storage Cap Reductn	0	0			0		0	0	0			
Reduced v/c Ratio	0.72	0.80			0.78		0.25	0.34	0.33			

Intersection Summary

Area Type: Other
Cycle Length: 160
Actuated Cycle Length: 160
Offset: 108 (68%), Referenced to phase 2:WBT and 6:EBTL, Start of Yellow
Natural Cycle: 70
Control Type: Actuated-Coordinated
Maximum v/c Ratio: 0.87
Intersection Signal Delay: 27.3 Intersection LOS: C
Intersection Capacity Utilization 68.5% ICU Level of Service C
Analysis Period (min) 15
dr Defacto Right Lane. Recode with 1 though lane as a right lane.

Splits and Phases: 2: I-290 Ramps & Sheridan Drive



Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)



Lane Group	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Volume (vph)	18	1642	1543	54	53	26
Future Volume (vph)	18	1642	1543	54	53	26
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Storage Length (ft)	150			0	0	60
Storage Lanes	1			0	1	1
Taper Length (ft)	25				25	
Lane Util. Factor	1.00	0.95	0.95	0.95	1.00	1.00
Frt			0.995			0.850
Flt Protected	0.950				0.950	
Satd. Flow (prot)	1770	3539	3522	0	1770	1583
Flt Permitted	0.129				0.950	
Satd. Flow (perm)	240	3539	3522	0	1770	1583
Right Turn on Red				Yes		Yes
Satd. Flow (RTOR)			4			27
Link Speed (mph)		45	45		30	
Link Distance (ft)		958	640		988	
Travel Time (s)		14.5	9.7		22.5	
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95
Adj. Flow (vph)	19	1728	1624	57	56	27
Shared Lane Traffic (%)						
Lane Group Flow (vph)	19	1728	1681	0	56	27
Turn Type	Perm	NA	NA		Prot	Prot
Protected Phases		1	1		3	3
Permitted Phases	1					
Detector Phase	1	1	1		3	3
Switch Phase						
Minimum Initial (s)	5.0	5.0	5.0		5.0	5.0
Minimum Split (s)	23.9	23.9	23.9		23.7	23.7
Total Split (s)	110.0	110.0	110.0		50.0	50.0
Total Split (%)	68.8%	68.8%	68.8%		31.3%	31.3%
Maximum Green (s)	104.1	104.1	104.1		44.3	44.3
Yellow Time (s)	4.3	4.3	4.3		3.2	3.2
All-Red Time (s)	1.6	1.6	1.6		2.5	2.5
Lost Time Adjust (s)	0.0	0.0	0.0		0.0	0.0
Total Lost Time (s)	5.9	5.9	5.9		5.7	5.7
Lead/Lag						
Lead-Lag Optimize?						
Vehicle Extension (s)	3.0	3.0	3.0		3.0	3.0
Recall Mode	C-Max	C-Max	C-Max		None	None
Walk Time (s)	7.0	7.0	7.0		7.0	7.0
Flash Dont Walk (s)	11.0	11.0	11.0		11.0	11.0
Pedestrian Calls (#/hr)	0	0	0		0	0
Act Effct Green (s)	141.5	141.5	141.5		10.5	10.5
Actuated g/C Ratio	0.88	0.88	0.88		0.07	0.07
v/c Ratio	0.09	0.55	0.54		0.49	0.21
Control Delay	1.6	6.6	2.2		85.3	25.5
Queue Delay	0.0	0.0	0.0		0.0	0.0
Total Delay	1.6	6.6	2.2		85.3	25.5

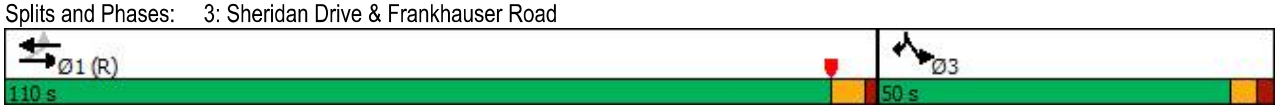
Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Lane Group	EBL	EBT	WBT	WBR	SBL	SBR
LOS	A	A	A		F	C
Approach Delay		6.6	2.2		65.8	
Approach LOS		A	A		E	
90th %ile Green (s)	133.8	133.8	133.8		14.6	14.6
90th %ile Term Code	Coord	Coord	Coord		Gap	Gap
70th %ile Green (s)	136.2	136.2	136.2		12.2	12.2
70th %ile Term Code	Coord	Coord	Coord		Gap	Gap
50th %ile Green (s)	137.9	137.9	137.9		10.5	10.5
50th %ile Term Code	Coord	Coord	Coord		Gap	Gap
30th %ile Green (s)	139.7	139.7	139.7		8.7	8.7
30th %ile Term Code	Coord	Coord	Coord		Gap	Gap
10th %ile Green (s)	154.1	154.1	154.1		0.0	0.0
10th %ile Term Code	Coord	Coord	Coord		Skip	Skip
Queue Length 50th (ft)	1	178	66		58	0
Queue Length 95th (ft)	m3	217	116		106	34
Internal Link Dist (ft)		878	560		908	
Turn Bay Length (ft)	150					60
Base Capacity (vph)	212	3130	3115		490	457
Starvation Cap Reductn	0	0	0		0	0
Spillback Cap Reductn	0	0	0		0	0
Storage Cap Reductn	0	0	0		0	0
Reduced v/c Ratio	0.09	0.55	0.54		0.11	0.06

Intersection Summary	
Area Type:	Other
Cycle Length: 160	
Actuated Cycle Length: 160	
Offset: 87 (54%), Referenced to phase 1:EBWB, Start of Yellow	
Natural Cycle: 65	
Control Type: Actuated-Coordinated	
Maximum v/c Ratio: 0.55	
Intersection Signal Delay: 5.9	Intersection LOS: A
Intersection Capacity Utilization 59.2%	ICU Level of Service B
Analysis Period (min) 15	

m Volume for 95th percentile queue is metered by upstream signal.

Splits and Phases: 3: Sheridan Drive & Frankhauser Road



Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Intersection	
Int Delay, s/veh	0.4

Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Traffic Vol, veh/h	1671	28	12	1572	14	20
Future Vol, veh/h	1671	28	12	1572	14	20
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	150	-	0	-
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	96	96	96	96	96	96
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	1741	29	13	1638	15	21

Major/Minor	Major1		Major2		Minor1	
Conflicting Flow All	0	0	1770	0	2601	885
Stage 1	-	-	-	-	1756	-
Stage 2	-	-	-	-	845	-
Critical Hdwy	-	-	4.14	-	6.84	6.94
Critical Hdwy Stg 1	-	-	-	-	5.84	-
Critical Hdwy Stg 2	-	-	-	-	5.84	-
Follow-up Hdwy	-	-	2.22	-	3.52	3.32
Pot Cap-1 Maneuver	-	-	348	-	20	288
Stage 1	-	-	-	-	124	-
Stage 2	-	-	-	-	382	-
Platoon blocked, %	-	-		-		
Mov Cap-1 Maneuver	-	-	348	-	19	288
Mov Cap-2 Maneuver	-	-	-	-	91	-
Stage 1	-	-	-	-	124	-
Stage 2	-	-	-	-	368	-

Approach	EB	WB	NB
HCM Control Delay, s	0	0.1	35.7
HCM LOS			E

Minor Lane/Major Mvmt	NBLn1	EBT	EBR	WBL	WBT
Capacity (veh/h)	152	-	-	348	-
HCM Lane V/C Ratio	0.233	-	-	0.036	-
HCM Control Delay (s)	35.7	-	-	15.7	-
HCM Lane LOS	E	-	-	C	-
HCM 95th %tile Q(veh)	0.9	-	-	0.1	-

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (vph)	233	1166	267	163	1192	25	179	340	171	41	386	191
Future Volume (vph)	233	1166	267	163	1192	25	179	340	171	41	386	191
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Storage Length (ft)	350		170	175		0	190		440	350		70
Storage Lanes	1		1	1		0	1		1	1		1
Taper Length (ft)	25			25			25			200		
Lane Util. Factor	1.00	0.95	1.00	1.00	0.95	0.95	1.00	1.00	1.00	1.00	0.95	1.00
Frt			0.850		0.997				0.850			0.850
Flt Protected	0.950			0.950			0.950			0.950		
Satd. Flow (prot)	1770	3539	1583	1770	3529	0	1770	1863	1583	1770	3539	1583
Flt Permitted	0.056			0.105			0.261			0.294		
Satd. Flow (perm)	104	3539	1583	196	3529	0	486	1863	1583	548	3539	1583
Right Turn on Red			Yes			Yes			Yes			Yes
Satd. Flow (RTOR)			132		2				178			128
Link Speed (mph)		45			45			40			35	
Link Distance (ft)		1664			992			903			941	
Travel Time (s)		25.2			15.0			15.4			18.3	
Peak Hour Factor	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96
Adj. Flow (vph)	243	1215	278	170	1242	26	186	354	178	43	402	199
Shared Lane Traffic (%)												
Lane Group Flow (vph)	243	1215	278	170	1268	0	186	354	178	43	402	199
Turn Type	pm+pt	NA	Prot	pm+pt	NA		pm+pt	NA	Perm	pm+pt	NA	Perm
Protected Phases	1	6	6	5	2		7	4		3	8	
Permitted Phases	6			2			4		4	8		8
Detector Phase	1	6	6	5	2		7	4	4	3	8	8
Switch Phase												
Minimum Initial (s)	6.0	28.0	28.0	6.0	6.0		6.0	6.0	6.0	6.0	15.0	15.0
Minimum Split (s)	25.0	71.0	71.0	25.0	71.0		25.0	44.0	44.0	20.0	39.0	39.0
Total Split (s)	25.0	71.0	71.0	25.0	71.0		25.0	44.0	44.0	20.0	39.0	39.0
Total Split (%)	15.6%	44.4%	44.4%	15.6%	44.4%		15.6%	27.5%	27.5%	12.5%	24.4%	24.4%
Maximum Green (s)	17.9	63.9	63.9	17.9	63.9		17.4	36.4	36.4	12.4	31.4	31.4
Yellow Time (s)	4.3	4.3	4.3	4.3	4.3		4.0	4.0	4.0	4.0	4.0	4.0
All-Red Time (s)	2.8	2.8	2.8	2.8	2.8		3.6	3.6	3.6	3.6	3.6	3.6
Lost Time Adjust (s)	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0	0.0
Total Lost Time (s)	7.1	7.1	7.1	7.1	7.1		7.6	7.6	7.6	7.6	7.6	7.6
Lead/Lag	Lead	Lag	Lag	Lead	Lag		Lead	Lag	Lag	Lead	Lag	Lag
Lead-Lag Optimize?												
Vehicle Extension (s)	3.0	3.0	3.0	3.0	3.0		3.0	3.0	3.0	3.0	3.0	3.0
Recall Mode	None	C-Max	C-Max	None	C-Max		None	None	None	None	None	None
Walk Time (s)		7.0	7.0					7.0	7.0		7.0	7.0
Flash Dont Walk (s)		11.0	11.0					11.0	11.0		11.0	11.0
Pedestrian Calls (#/hr)		0	0					0	0		0	0
Act Effct Green (s)	91.7	73.0	73.0	81.5	66.8		50.3	37.4	37.4	34.6	26.4	26.4
Actuated g/C Ratio	0.57	0.46	0.46	0.51	0.42		0.31	0.23	0.23	0.22	0.16	0.16
v/c Ratio	0.87	0.75	0.35	0.69	0.86		0.65	0.81	0.35	0.24	0.69	0.54
Control Delay	64.8	36.1	17.5	39.6	50.1		52.3	73.7	8.1	40.1	68.8	26.9
Queue Delay	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	64.8	36.1	17.5	39.6	50.1		52.3	73.7	8.1	40.1	68.8	26.9

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
LOS	E	D	B	D	D		D	E	A	D	E	C
Approach Delay		37.1			48.8			51.9			53.9	
Approach LOS		D			D			D			D	
90th %ile Green (s)	17.9	63.9	63.9	17.9	63.9		17.4	38.3	38.3	10.5	31.4	31.4
90th %ile Term Code	Max	Coord	Coord	Max	Coord		Max	Max	Max	Gap	Hold	Hold
70th %ile Green (s)	17.9	63.9	63.9	17.9	63.9		17.4	39.8	39.8	9.0	31.4	31.4
70th %ile Term Code	Max	Coord	Coord	Max	Coord		Max	Max	Max	Gap	Hold	Hold
50th %ile Green (s)	21.6	69.3	69.3	16.2	63.9		17.4	37.0	37.0	8.1	27.7	27.7
50th %ile Term Code	Max	Coord	Coord	Gap	Coord		Max	Gap	Gap	Gap	Hold	Hold
30th %ile Green (s)	25.1	77.6	77.6	13.3	65.8		16.0	32.5	32.5	7.2	23.7	23.7
30th %ile Term Code	Gap	Coord	Coord	Gap	Coord		Gap	Gap	Gap	Gap	Hold	Hold
10th %ile Green (s)	22.5	90.3	90.3	8.5	76.3		13.8	39.4	39.4	0.0	18.0	18.0
10th %ile Term Code	Gap	Coord	Coord	Gap	Coord		Gap	Hold	Hold	Skip	Gap	Gap
Queue Length 50th (ft)	218	621	130	83	651		146	355	0	31	209	65
Queue Length 95th (ft)	#404	727	208	168	755		209	#485	64	61	262	148
Internal Link Dist (ft)		1584			912			823			861	
Turn Bay Length (ft)	350		170	175			190		440	350		70
Base Capacity (vph)	278	1614	793	279	1473		292	444	513	227	694	413
Starvation Cap Reductn	0	0	0	0	0		0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0		0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0		0	0	0	0	0	0
Reduced v/c Ratio	0.87	0.75	0.35	0.61	0.86		0.64	0.80	0.35	0.19	0.58	0.48

Intersection Summary

Area Type: Other
Cycle Length: 160
Actuated Cycle Length: 160
Offset: 30 (19%), Referenced to phase 2:WBTL and 6:EBTL, Start of Yellow
Natural Cycle: 160
Control Type: Actuated-Coordinated
Maximum v/c Ratio: 0.87
Intersection Signal Delay: 45.6 Intersection LOS: D
Intersection Capacity Utilization 94.0% ICU Level of Service F
Analysis Period (min) 15
95th percentile volume exceeds capacity, queue may be longer.
Queue shown is maximum after two cycles.

Splits and Phases: 5: North Forest Road & Sheridan Drive



Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Exisitng SAT Midday
1: Harlem Road & Sheridan Drive

Amherst Central Park
10/12/2023

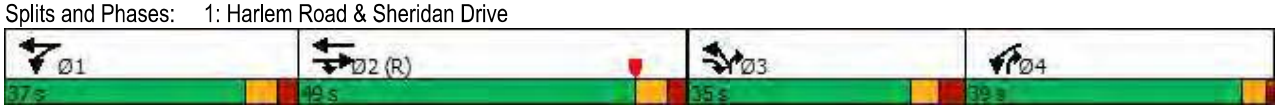
Lane Group	EBT	EBR	WBL	WBT	NBL	NBR	Ø1	Ø4
Lane Configurations								
Traffic Volume (vph)	617	343	359	569	170	484		
Future Volume (vph)	617	343	359	569	170	484		
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900		
Storage Length (ft)		0	230		0	0		
Storage Lanes		1	1		2	2		
Taper Length (ft)			25		25			
Lane Util. Factor	0.95	1.00	0.97	0.95	0.97	0.88		
Frt		0.850				0.850		
Flt Protected			0.950		0.950			
Satd. Flow (prot)	3574	1599	3467	3574	3467	2814		
Flt Permitted			0.950		0.950			
Satd. Flow (perm)	3574	1599	3467	3574	3467	2814		
Right Turn on Red		Yes				Yes		
Satd. Flow (RTOR)		354				499		
Link Speed (mph)	45			45	35			
Link Distance (ft)	570			576	995			
Travel Time (s)	8.6			8.7	19.4			
Peak Hour Factor	0.97	0.97	0.97	0.97	0.97	0.97		
Heavy Vehicles (%)	1%	1%	1%	1%	1%	1%		
Adj. Flow (vph)	636	354	370	587	175	499		
Shared Lane Traffic (%)								
Lane Group Flow (vph)	636	354	370	587	175	499		
Turn Type	NA	pt+ov	Prot	NA	Prot	custom		
Protected Phases	2	2 3	1 4	2 1	3	3 4	1	4
Permitted Phases								
Detector Phase	2	2 3	1 4	2 1	3	3 4		
Switch Phase								
Minimum Initial (s)	5.0				5.0		5.0	5.0
Minimum Split (s)	24.7				24.9		24.7	22.5
Total Split (s)	49.0				35.0		37.0	39.0
Total Split (%)	30.6%				21.9%		23%	24%
Maximum Green (s)	42.3				28.1		30.3	34.7
Yellow Time (s)	4.0				3.6		4.0	3.2
All-Red Time (s)	2.7				3.3		2.7	1.1
Lost Time Adjust (s)	0.0				0.0			
Total Lost Time (s)	6.7				6.9			
Lead/Lag	Lag				Lead		Lead	Lag
Lead-Lag Optimize?								
Vehicle Extension (s)	3.0				3.0		3.0	3.0
Recall Mode	C-Max				Min		None	None
Walk Time (s)	7.0				7.0		7.0	7.0
Flash Dont Walk (s)	11.0				11.0		11.0	11.0
Pedestrian Calls (#/hr)	0				0		0	0
Act Effct Green (s)	80.5	102.3	44.3	106.3	14.9	40.1		
Actuated g/C Ratio	0.50	0.64	0.28	0.66	0.09	0.25		
v/c Ratio	0.35	0.31	0.39	0.25	0.54	0.46		
Control Delay	26.6	2.1	32.8	10.7	75.0	4.6		
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0		

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Lane Group	EBT	EBR	WBL	WBT	NBL	NBR	Ø1	Ø4
Total Delay	26.6	2.1	32.8	10.7	75.0	4.6		
LOS	C	A	C	B	E	A		
Approach Delay	17.9			19.2	22.9			
Approach LOS	B			B	C			
90th %ile Green (s)	63.3				19.8		26.8	25.5
90th %ile Term Code	Coord				Gap		Gap	Gap
70th %ile Green (s)	74.6				16.8		21.2	22.8
70th %ile Term Code	Coord				Gap		Gap	Gap
50th %ile Green (s)	79.9				15.3		19.1	21.1
50th %ile Term Code	Coord				Gap		Gap	Gap
30th %ile Green (s)	87.2				12.9		16.1	19.2
30th %ile Term Code	Coord				Gap		Gap	Gap
10th %ile Green (s)	97.5				9.8		12.5	15.6
10th %ile Term Code	Coord				Gap		Gap	Gap
Queue Length 50th (ft)	209	0	86	196	91	0		
Queue Length 95th (ft)	314	46	85	267	129	46		
Internal Link Dist (ft)	490			496	915			
Turn Bay Length (ft)			230					
Base Capacity (vph)	1797	1252	1201	2361	608	1279		
Starvation Cap Reductn	0	0	0	0	0	0		
Spillback Cap Reductn	0	0	0	0	0	0		
Storage Cap Reductn	0	0	0	0	0	0		
Reduced v/c Ratio	0.35	0.28	0.31	0.25	0.29	0.39		

Intersection Summary			
Area Type:	Other		
Cycle Length: 160			
Actuated Cycle Length: 160			
Offset: 157 (98%), Referenced to phase 2:EBWB, Start of Yellow			
Natural Cycle: 100			
Control Type: Actuated-Coordinated			
Maximum v/c Ratio: 0.54			
Intersection Signal Delay: 19.7		Intersection LOS: B	
Intersection Capacity Utilization 49.1%		ICU Level of Service A	
Analysis Period (min) 15			

Splits and Phases: 1: Harlem Road & Sheridan Drive



Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Exisitng SAT Midday
2: I-290 Ramps & Sheridan Drive

Amherst Central Park
10/12/2023

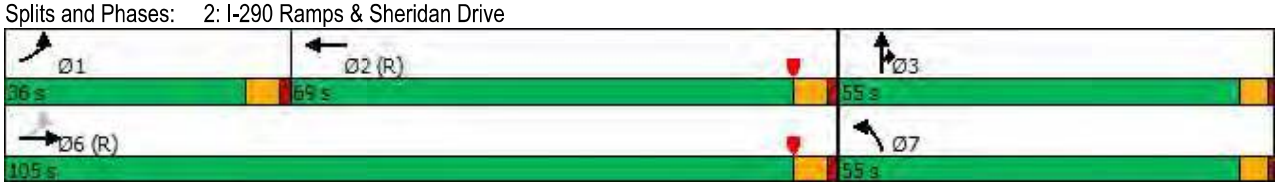
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (vph)	176	913	0	0	782	304	169	0	282	0	0	0
Future Volume (vph)	176	913	0	0	782	304	169	0	282	0	0	0
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Storage Length (ft)	150		0	150		0	0		0	0		0
Storage Lanes	1		0	0		0	1		1	0		0
Taper Length (ft)	25			25			25			25		
Lane Util. Factor	1.00	0.91	1.00	1.00	0.91	0.91	0.95	0.91	0.95	1.00	1.00	1.00
Frt					0.958			0.867	0.850			
Flt Protected	0.950						0.950	0.994				
Satd. Flow (prot)	1787	5136	0	0	4920	0	1698	1475	1519	0	0	0
Flt Permitted	0.201						0.950	0.994				
Satd. Flow (perm)	378	5136	0	0	4920	0	1698	1475	1519	0	0	0
Right Turn on Red			Yes			Yes			Yes			No
Satd. Flow (RTOR)					73			135	151			
Link Speed (mph)		45			45			35			30	
Link Distance (ft)		576			428			842			263	
Travel Time (s)		8.7			6.5			16.4			6.0	
Peak Hour Factor	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98
Heavy Vehicles (%)	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%
Adj. Flow (vph)	180	932	0	0	798	310	172	0	288	0	0	0
Shared Lane Traffic (%)							10%		47%			
Lane Group Flow (vph)	180	932	0	0	1108	0	155	152	153	0	0	0
Turn Type	pm+pt	NA			NA		Prot	NA	Prot			
Protected Phases	1	6			2		7	3	3			
Permitted Phases	6											
Detector Phase	1	6			2		7	3	3			
Switch Phase												
Minimum Initial (s)	5.0	5.0			5.0		5.0	5.0	5.0			
Minimum Split (s)	10.8	23.8			23.8		9.5	22.5	22.5			
Total Split (s)	36.0	105.0			69.0		55.0	55.0	55.0			
Total Split (%)	22.5%	65.6%			43.1%		34.4%	34.4%	34.4%			
Maximum Green (s)	30.2	99.2			63.2		50.5	50.5	50.5			
Yellow Time (s)	4.3	4.3			4.3		3.5	3.5	3.5			
All-Red Time (s)	1.5	1.5			1.5		1.0	1.0	1.0			
Lost Time Adjust (s)	0.0	0.0			0.0		0.0	0.0	0.0			
Total Lost Time (s)	5.8	5.8			5.8		4.5	4.5	4.5			
Lead/Lag	Lead				Lag							
Lead-Lag Optimize?												
Vehicle Extension (s)	3.0	3.0			3.0		3.0	3.0	3.0			
Recall Mode	None	C-Max			C-Max		None	None	None			
Walk Time (s)		7.0			7.0			7.0	7.0			
Flash Dont Walk (s)		11.0			11.0			11.0	11.0			
Pedestrian Calls (#/hr)		0			0			0	0			
Act Effct Green (s)	113.4	113.4			96.3		36.3	36.3	36.3			
Actuated g/C Ratio	0.71	0.71			0.60		0.23	0.23	0.23			
v/c Ratio	0.49	0.26			0.37		0.40	0.35	0.33			
Control Delay	26.6	15.2			10.5		52.6	10.3	7.7			
Queue Delay	0.0	0.0			0.0		0.0	0.0	0.0			

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Total Delay	26.6	15.2			10.5		52.6	10.3	7.7			
LOS	C	B			B		D	B	A			
Approach Delay		17.0			10.5			23.7				
Approach LOS		B			B			C				
90th %ile Green (s)	15.9	99.2			77.5		50.5	50.5	50.5			
90th %ile Term Code	Gap	Coord			Coord		Hold	Max	Max			
70th %ile Green (s)	13.7	99.2			79.7		50.5	50.5	50.5			
70th %ile Term Code	Gap	Coord			Coord		Hold	Max	Max			
50th %ile Green (s)	12.3	99.2			81.1		50.5	50.5	50.5			
50th %ile Term Code	Gap	Coord			Coord		Hold	Max	Max			
30th %ile Green (s)	7.9	132.6			118.9		17.1	17.1	17.1			
30th %ile Term Code	Gap	Coord			Coord		Gap	Hold	Hold			
10th %ile Green (s)	6.8	136.9			124.3		12.8	12.8	12.8			
10th %ile Term Code	Gap	Coord			Coord		Gap	Hold	Hold			
Queue Length 50th (ft)	101	145			272		129	13	1			
Queue Length 95th (ft)	213	305			176		197	74	58			
Internal Link Dist (ft)		496			348			762			183	
Turn Bay Length (ft)	150											
Base Capacity (vph)	534	3640			2990		535	438	582			
Starvation Cap Reductn	0	0			0		0	0	0			
Spillback Cap Reductn	0	0			0		0	0	0			
Storage Cap Reductn	0	0			0		0	0	0			
Reduced v/c Ratio	0.34	0.26			0.37		0.29	0.35	0.26			

Intersection Summary			
Area Type:	Other		
Cycle Length: 160			
Actuated Cycle Length: 160			
Offset: 108 (68%), Referenced to phase 2:WBT and 6:EBTL, Start of Yellow			
Natural Cycle: 60			
Control Type: Actuated-Coordinated			
Maximum v/c Ratio: 0.49			
Intersection Signal Delay: 15.5		Intersection LOS: B	
Intersection Capacity Utilization 52.6%		ICU Level of Service A	
Analysis Period (min) 15			

Splits and Phases: 2: I-290 Ramps & Sheridan Drive



Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)



Lane Group	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Volume (vph)	17	1091	985	39	42	18
Future Volume (vph)	17	1091	985	39	42	18
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Storage Length (ft)	150			0	0	60
Storage Lanes	1			0	1	1
Taper Length (ft)	25				25	
Lane Util. Factor	1.00	0.95	0.95	0.95	1.00	1.00
Frt			0.994			0.850
Flt Protected	0.950				0.950	
Satd. Flow (prot)	1787	3574	3553	0	1787	1599
Flt Permitted	0.262				0.950	
Satd. Flow (perm)	493	3574	3553	0	1787	1599
Right Turn on Red				Yes		Yes
Satd. Flow (RTOR)			5			19
Link Speed (mph)		45	45		30	
Link Distance (ft)		958	640		988	
Travel Time (s)		14.5	9.7		22.5	
Peak Hour Factor	0.96	0.96	0.96	0.96	0.96	0.96
Heavy Vehicles (%)	1%	1%	1%	1%	1%	1%
Adj. Flow (vph)	18	1136	1026	41	44	19
Shared Lane Traffic (%)						
Lane Group Flow (vph)	18	1136	1067	0	44	19
Turn Type	Perm	NA	NA		Prot	Prot
Protected Phases		1	1		3	3
Permitted Phases	1					
Detector Phase	1	1	1		3	3
Switch Phase						
Minimum Initial (s)	5.0	5.0	5.0		5.0	5.0
Minimum Split (s)	23.9	23.9	23.9		23.7	23.7
Total Split (s)	110.0	110.0	110.0		50.0	50.0
Total Split (%)	68.8%	68.8%	68.8%		31.3%	31.3%
Maximum Green (s)	104.1	104.1	104.1		44.3	44.3
Yellow Time (s)	4.3	4.3	4.3		3.2	3.2
All-Red Time (s)	1.6	1.6	1.6		2.5	2.5
Lost Time Adjust (s)	0.0	0.0	0.0		0.0	0.0
Total Lost Time (s)	5.9	5.9	5.9		5.7	5.7
Lead/Lag						
Lead-Lag Optimize?						
Vehicle Extension (s)	3.0	3.0	3.0		3.0	3.0
Recall Mode	C-Max	C-Max	C-Max		None	None
Walk Time (s)	7.0	7.0	7.0		7.0	7.0
Flash Dont Walk (s)	11.0	11.0	11.0		11.0	11.0
Pedestrian Calls (#/hr)	0	0	0		0	0
Act Effct Green (s)	142.5	142.5	142.5		9.3	9.3
Actuated g/C Ratio	0.89	0.89	0.89		0.06	0.06
v/c Ratio	0.04	0.36	0.34		0.42	0.17
Control Delay	1.0	2.7	1.7		84.1	28.8
Queue Delay	0.0	0.0	0.0		0.0	0.0

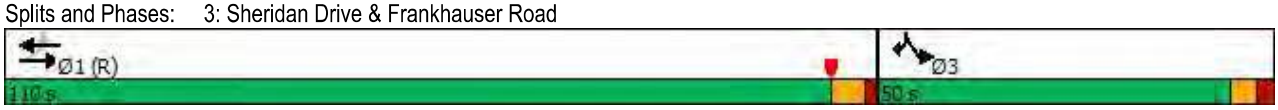
Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)



Lane Group	EBL	EBT	WBT	WBR	SBL	SBR
Total Delay	1.0	2.7	1.7		84.1	28.8
LOS	A	A	A		F	C
Approach Delay		2.6	1.7		67.4	
Approach LOS		A	A		E	
90th %ile Green (s)	135.5	135.5	135.5		12.9	12.9
90th %ile Term Code	Coord	Coord	Coord		Gap	Gap
70th %ile Green (s)	137.5	137.5	137.5		10.9	10.9
70th %ile Term Code	Coord	Coord	Coord		Gap	Gap
50th %ile Green (s)	139.1	139.1	139.1		9.3	9.3
50th %ile Term Code	Coord	Coord	Coord		Gap	Gap
30th %ile Green (s)	140.6	140.6	140.6		7.8	7.8
30th %ile Term Code	Coord	Coord	Coord		Gap	Gap
10th %ile Green (s)	154.1	154.1	154.1		0.0	0.0
10th %ile Term Code	Coord	Coord	Coord		Skip	Skip
Queue Length 50th (ft)	1	52	51		45	0
Queue Length 95th (ft)	3	101	66		89	29
Internal Link Dist (ft)		878	560		908	
Turn Bay Length (ft)	150					60
Base Capacity (vph)	439	3184	3165		494	456
Starvation Cap Reductn	0	0	0		0	0
Spillback Cap Reductn	0	0	0		0	0
Storage Cap Reductn	0	0	0		0	0
Reduced v/c Ratio	0.04	0.36	0.34		0.09	0.04

Intersection Summary			
Area Type:	Other		
Cycle Length: 160			
Actuated Cycle Length: 160			
Offset: 87 (54%), Referenced to phase 1:EBWB, Start of Yellow			
Natural Cycle: 50			
Control Type: Actuated-Coordinated			
Maximum v/c Ratio: 0.42			
Intersection Signal Delay: 4.0		Intersection LOS: A	
Intersection Capacity Utilization 44.0%		ICU Level of Service A	
Analysis Period (min) 15			

Splits and Phases: 3: Sheridan Drive & Frankhauser Road



Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Intersection	
Int Delay, s/veh	0.5

Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Traffic Vol, veh/h	1119	19	18	1004	20	21
Future Vol, veh/h	1119	19	18	1004	20	21
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	150	-	0	-
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	96	96	96	96	96	96
Heavy Vehicles, %	1	1	1	1	1	1
Mvmt Flow	1166	20	19	1046	21	22

Major/Minor	Major1		Major2		Minor1	
Conflicting Flow All	0	0	1186	0	1737	593
Stage 1	-	-	-	-	1176	-
Stage 2	-	-	-	-	561	-
Critical Hdwy	-	-	4.12	-	6.82	6.92
Critical Hdwy Stg 1	-	-	-	-	5.82	-
Critical Hdwy Stg 2	-	-	-	-	5.82	-
Follow-up Hdwy	-	-	2.21	-	3.51	3.31
Pot Cap-1 Maneuver	-	-	590	-	79	451
Stage 1	-	-	-	-	257	-
Stage 2	-	-	-	-	538	-
Platoon blocked, %	-	-		-		
Mov Cap-1 Maneuver	-	-	590	-	76	451
Mov Cap-2 Maneuver	-	-	-	-	187	-
Stage 1	-	-	-	-	257	-
Stage 2	-	-	-	-	521	-

Approach	EB	WB	NB
HCM Control Delay, s	0	0.2	21
HCM LOS			C

Minor Lane/Major Mvmt	NBLn1	EBT	EBR	WBL	WBT
Capacity (veh/h)	267	-	-	590	-
HCM Lane V/C Ratio	0.16	-	-	0.032	-
HCM Control Delay (s)	21	-	-	11.3	-
HCM Lane LOS	C	-	-	B	-
HCM 95th %tile Q(veh)	0.6	-	-	0.1	-

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (vph)	171	853	103	125	767	21	100	185	109	46	202	175
Future Volume (vph)	171	853	103	125	767	21	100	185	109	46	202	175
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Storage Length (ft)	350		170	175		0	190		440	350		70
Storage Lanes	1		1	1		0	1		1	1		1
Taper Length (ft)	25			25			25			200		
Lane Util. Factor	1.00	0.95	1.00	1.00	0.95	0.95	1.00	1.00	1.00	1.00	0.95	1.00
Frt			0.850		0.996				0.850			0.850
Flt Protected	0.950			0.950			0.950			0.950		
Satd. Flow (prot)	1787	3574	1599	1787	3560	0	1787	1881	1599	1787	3574	1599
Flt Permitted	0.285			0.271			0.457			0.548		
Satd. Flow (perm)	536	3574	1599	510	3560	0	860	1881	1599	1031	3574	1599
Right Turn on Red			Yes			Yes			Yes			Yes
Satd. Flow (RTOR)			132		2				128			176
Link Speed (mph)		45			45			30			30	
Link Distance (ft)		1664			992			903			941	
Travel Time (s)		25.2			15.0			20.5			21.4	
Peak Hour Factor	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99
Heavy Vehicles (%)	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%
Adj. Flow (vph)	173	862	104	126	775	21	101	187	110	46	204	177
Shared Lane Traffic (%)												
Lane Group Flow (vph)	173	862	104	126	796	0	101	187	110	46	204	177
Turn Type	pm+pt	NA	Prot	pm+pt	NA		pm+pt	NA	Perm	pm+pt	NA	Perm
Protected Phases	1	6	6	5	2		7	4		3	8	
Permitted Phases	6			2			4		4	8		8
Detector Phase	1	6	6	5	2		7	4	4	3	8	8
Switch Phase												
Minimum Initial (s)	6.0	28.0	28.0	6.0	6.0		6.0	6.0	6.0	6.0	15.0	15.0
Minimum Split (s)	25.0	71.0	71.0	25.0	71.0		25.0	44.0	44.0	20.0	39.0	39.0
Total Split (s)	25.0	71.0	71.0	25.0	71.0		25.0	44.0	44.0	20.0	39.0	39.0
Total Split (%)	15.6%	44.4%	44.4%	15.6%	44.4%		15.6%	27.5%	27.5%	12.5%	24.4%	24.4%
Maximum Green (s)	17.9	63.9	63.9	17.9	63.9		17.4	36.4	36.4	12.4	31.4	31.4
Yellow Time (s)	4.3	4.3	4.3	4.3	4.3		4.0	4.0	4.0	4.0	4.0	4.0
All-Red Time (s)	2.8	2.8	2.8	2.8	2.8		3.6	3.6	3.6	3.6	3.6	3.6
Lost Time Adjust (s)	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0	0.0
Total Lost Time (s)	7.1	7.1	7.1	7.1	7.1		7.6	7.6	7.6	7.6	7.6	7.6
Lead/Lag	Lead	Lag	Lag	Lead	Lag		Lead	Lag	Lag	Lead	Lag	Lag
Lead-Lag Optimize?												
Vehicle Extension (s)	3.0	3.0	3.0	3.0	3.0		3.0	3.0	3.0	3.0	3.0	3.0
Recall Mode	None	C-Max	C-Max	None	C-Max		None	None	None	None	None	None
Walk Time (s)		7.0	7.0					7.0	7.0		7.0	7.0
Flash Dont Walk (s)		11.0	11.0					11.0	11.0		11.0	11.0
Pedestrian Calls (#/hr)		0	0					0	0		0	0
Act Effct Green (s)	101.6	90.2	90.2	98.2	88.5		35.7	24.7	24.7	26.6	17.9	17.9
Actuated g/C Ratio	0.64	0.56	0.56	0.61	0.55		0.22	0.15	0.15	0.17	0.11	0.11
v/c Ratio	0.40	0.43	0.11	0.32	0.40		0.38	0.64	0.31	0.22	0.51	0.53
Control Delay	9.7	19.6	5.4	13.0	22.4		51.9	74.9	7.8	48.2	71.1	14.1
Queue Delay	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0	0.0

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Exisitng SAT Midday — Amherst Central Park
5: North Forest Road & Sheridan Drive — 10/12/2023

Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Total Delay	9.7	19.6	5.4	13.0	22.4		51.9	74.9	7.8	48.2	71.1	14.1
LOS	A	B	A	B	C		D	E	A	D	E	B
Approach Delay		16.8			21.2			50.5			45.0	
Approach LOS		B			C			D			D	
90th %ile Green (s)	15.6	78.1	78.1	13.0	75.5		16.7	28.2	28.2	11.3	22.8	22.8
90th %ile Term Code	Gap	Coord	Coord	Gap	Coord		Gap	Gap	Gap	Gap	Hold	Hold
70th %ile Green (s)	12.8	85.8	85.8	10.8	83.8		14.4	24.1	24.1	9.9	19.6	19.6
70th %ile Term Code	Gap	Coord	Coord	Gap	Coord		Gap	Gap	Gap	Gap	Hold	Hold
50th %ile Green (s)	11.0	91.3	91.3	9.4	89.7		12.8	21.2	21.2	8.7	17.1	17.1
50th %ile Term Code	Gap	Coord	Coord	Gap	Coord		Gap	Gap	Gap	Gap	Hold	Hold
30th %ile Green (s)	9.6	96.2	96.2	8.3	94.9		11.1	18.6	18.6	7.5	15.0	15.0
30th %ile Term Code	Gap	Coord	Coord	Gap	Coord		Gap	Hold	Hold	Gap	Min	Min
10th %ile Green (s)	8.0	99.8	99.8	7.0	98.8		8.8	31.4	31.4	0.0	15.0	15.0
10th %ile Term Code	Gap	Coord	Coord	Gap	Coord		Gap	Hold	Hold	Skip	Min	Min
Queue Length 50th (ft)	35	231	16	44	240		87	192	0	38	108	1
Queue Length 95th (ft)	115	419	75	84	352		131	270	40	70	147	75
Internal Link Dist (ft)		1584			912			823			861	
Turn Bay Length (ft)	350		170	175			190		440	350		70
Base Capacity (vph)	497	2015	959	479	1970		304	427	462	253	701	455
Starvation Cap Reductn	0	0	0	0	0		0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0		0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0		0	0	0	0	0	0
Reduced v/c Ratio	0.35	0.43	0.11	0.26	0.40		0.33	0.44	0.24	0.18	0.29	0.39

Intersection Summary			
Area Type:	Other		
Cycle Length: 160			
Actuated Cycle Length: 160			
Offset: 30 (19%), Referenced to phase 2:WBTL and 6:EBTL, Start of Yellow			
Natural Cycle: 160			
Control Type: Actuated-Coordinated			
Maximum v/c Ratio: 0.64			
Intersection Signal Delay: 27.0		Intersection LOS: C	
Intersection Capacity Utilization 73.9%		ICU Level of Service D	
Analysis Period (min) 15			

Splits and Phases: 5: North Forest Road & Sheridan Drive



Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Lane Group	EBT	EBR	WBL	WBT	NBL	NBR	Ø1	Ø4
Lane Configurations								
Traffic Volume (vph)	837	309	358	760	187	915		
Future Volume (vph)	837	309	358	760	187	915		
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900		
Storage Length (ft)		0	230		0	0		
Storage Lanes		1	1		2	2		
Taper Length (ft)			25		25			
Lane Util. Factor	0.95	1.00	0.97	0.95	0.97	0.88		
Frt		0.850				0.850		
Flt Protected			0.950		0.950			
Satd. Flow (prot)	3539	1583	3433	3539	3433	2787		
Flt Permitted			0.950		0.950			
Satd. Flow (perm)	3539	1583	3433	3539	3433	2787		
Right Turn on Red		Yes				Yes		
Satd. Flow (RTOR)		315				839		
Link Speed (mph)	45			45	35			
Link Distance (ft)	570			576	995			
Travel Time (s)	8.6			8.7	19.4			
Peak Hour Factor	0.98	0.98	0.98	0.98	0.98	0.98		
Adj. Flow (vph)	854	315	365	776	191	934		
Shared Lane Traffic (%)								
Lane Group Flow (vph)	854	315	365	776	191	934		
Turn Type	NA	pt+ov	Prot	NA	Prot	custom		
Protected Phases	2	2 3	1 4	2 1	3	3 4	1	4
Permitted Phases								
Detector Phase	2	2 3	1 4	2 1	3	3 4		
Switch Phase								
Minimum Initial (s)	5.0				5.0		5.0	5.0
Minimum Split (s)	24.7				24.9		24.7	22.5
Total Split (s)	49.0				35.0		37.0	39.0
Total Split (%)	30.6%				21.9%		23%	24%
Maximum Green (s)	42.3				28.1		31.9	34.7
Yellow Time (s)	4.0				3.6		4.0	3.2
All-Red Time (s)	2.7				3.3		1.1	1.1
Lost Time Adjust (s)	0.0				0.0			
Total Lost Time (s)	6.7				6.9			
Lead/Lag	Lag				Lead		Lead	Lag
Lead-Lag Optimize?								
Vehicle Extension (s)	3.0				3.0		3.0	3.0
Recall Mode	C-Max				Min		None	None
Walk Time (s)	7.0				7.0		7.0	7.0
Flash Dont Walk (s)	11.0				11.0		11.0	11.0
Pedestrian Calls (#/hr)	0				0		0	0
Act Effct Green (s)	70.4	96.1	52.1	102.0	18.7	44.4		
Actuated g/C Ratio	0.44	0.60	0.33	0.64	0.12	0.28		
v/c Ratio	0.55	0.29	0.33	0.34	0.48	0.68		
Control Delay	37.8	2.6	39.8	3.4	68.9	7.7		
Queue Delay	0.0	0.0	0.0	0.5	0.0	0.2		
Total Delay	37.8	2.6	39.8	3.9	68.9	7.9		

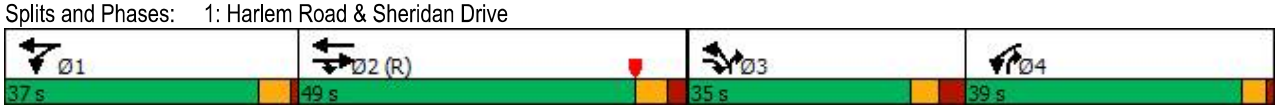
Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Lane Group	EBT	EBR	WBL	WBT	NBL	NBR	Ø1	Ø4
LOS	D	A	D	A	E	A		
Approach Delay	28.3			15.4	18.3			
Approach LOS	C			B	B			
90th %ile Green (s)	45.6				28.1		38.3	25.0
90th %ile Term Code	Coord				Max		Gap	Gap
70th %ile Green (s)	62.9				20.7		29.9	23.5
70th %ile Term Code	Coord				Gap		Gap	Gap
50th %ile Green (s)	72.3				17.1		25.5	22.1
50th %ile Term Code	Coord				Gap		Gap	Gap
30th %ile Green (s)	80.1				15.5		21.7	19.7
30th %ile Term Code	Coord				Gap		Gap	Gap
10th %ile Green (s)	91.2				12.3		17.1	16.4
10th %ile Term Code	Coord				Gap		Gap	Gap
Queue Length 50th (ft)	335	0	108	33	98	43		
Queue Length 95th (ft)	532	50	m77	169	131	100		
Internal Link Dist (ft)	490			496	915			
Turn Bay Length (ft)			230					
Base Capacity (vph)	1557	1150	1261	2234	602	1541		
Starvation Cap Reductn	0	0	0	946	0	0		
Spillback Cap Reductn	0	0	0	0	0	141		
Storage Cap Reductn	0	0	0	0	0	0		
Reduced v/c Ratio	0.55	0.27	0.29	0.60	0.32	0.67		

Intersection Summary

Area Type: Other
Cycle Length: 160
Actuated Cycle Length: 160
Offset: 157 (98%), Referenced to phase 2:EBWB, Start of Yellow
Natural Cycle: 100
Control Type: Actuated-Coordinated
Maximum v/c Ratio: 0.68
Intersection Signal Delay: 20.7 Intersection LOS: C
Intersection Capacity Utilization 66.5% ICU Level of Service C
Analysis Period (min) 15
m Volume for 95th percentile queue is metered by upstream signal.

Splits and Phases: 1: Harlem Road & Sheridan Drive



Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (vph)	264	1462	0	0	956	698	145	0	328	0	0	0
Future Volume (vph)	264	1462	0	0	956	698	145	0	328	0	0	0
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Storage Length (ft)	150		0	150		0	0		0	0		0
Storage Lanes	1		0	0		0	1		1	0		0
Taper Length (ft)	25			25			25			25		
Lane Util. Factor	1.00	0.91	1.00	1.00	0.91	0.91	0.95	0.91	0.95	1.00	1.00	1.00
Frt					0.937			0.863	0.850			
Flt Protected	0.950						0.950	0.996				
Satd. Flow (prot)	1770	5085	0	0	4765	0	1681	1457	1504	0	0	0
Flt Permitted	0.053						0.950	0.996				
Satd. Flow (perm)	99	5085	0	0	4765	0	1681	1457	1504	0	0	0
Right Turn on Red			Yes			Yes			Yes			No
Satd. Flow (RTOR)					136			59	59			
Link Speed (mph)		45			45			30			30	
Link Distance (ft)		576			428			842			263	
Travel Time (s)		8.7			6.5			19.1			6.0	
Peak Hour Factor	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
Adj. Flow (vph)	272	1507	0	0	986	720	149	0	338	0	0	0
Shared Lane Traffic (%)							10%		48%			
Lane Group Flow (vph)	272	1507	0	0	1706	0	134	177	176	0	0	0
Turn Type	pm+pt	NA			NA		Prot	NA	Prot			
Protected Phases	1	6			2		7	3	3			
Permitted Phases	6											
Detector Phase	1	6			2		7	3	3			
Switch Phase												
Minimum Initial (s)	5.0	5.0			5.0		5.0	5.0	5.0			
Minimum Split (s)	10.8	23.8			23.8		9.5	22.5	22.5			
Total Split (s)	36.0	105.0			69.0		55.0	55.0	55.0			
Total Split (%)	22.5%	65.6%			43.1%		34.4%	34.4%	34.4%			
Maximum Green (s)	30.2	99.2			63.2		50.5	50.5	50.5			
Yellow Time (s)	4.3	4.3			4.3		3.5	3.5	3.5			
All-Red Time (s)	1.5	1.5			1.5		1.0	1.0	1.0			
Lost Time Adjust (s)	0.0	0.0			0.0		0.0	0.0	0.0			
Total Lost Time (s)	5.8	5.8			5.8		4.5	4.5	4.5			
Lead/Lag	Lead				Lag							
Lead-Lag Optimize?												
Vehicle Extension (s)	3.0	3.0			3.0		3.0	3.0	3.0			
Recall Mode	None	C-Max			C-Max		None	None	None			
Walk Time (s)		7.0			7.0			7.0	7.0			
Flash Dont Walk (s)		11.0			11.0			11.0	11.0			
Pedestrian Calls (#/hr)		0			0			0	0			
Act Effct Green (s)	99.2	99.2			69.3		50.5	50.5	50.5			
Actuated g/C Ratio	0.62	0.62			0.43		0.32	0.32	0.32			
v/c Ratio	0.87	0.48			0.93dr		0.25	0.35	0.34			
Control Delay	62.9	25.4			21.8		42.3	29.8	29.5			
Queue Delay	0.0	1.2			0.0		0.0	0.0	0.0			
Total Delay	62.9	26.6			21.8		42.3	29.8	29.5			

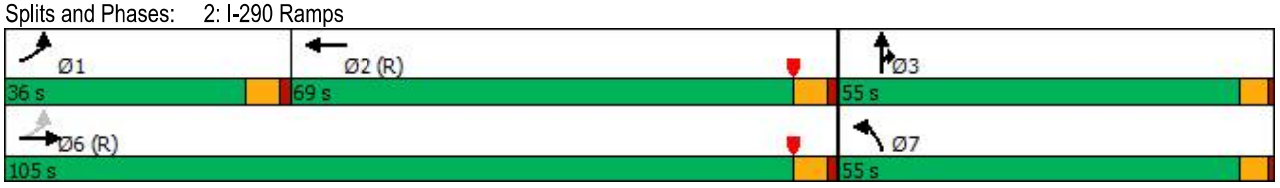
Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
LOS	E	C			C		D	C	C			
Approach Delay		32.2			21.8			33.1				
Approach LOS		C			C			C				
90th %ile Green (s)	30.2	99.2			63.2		50.5	50.5	50.5			
90th %ile Term Code	Max	Coord			Coord		Hold	Max	Max			
70th %ile Green (s)	28.8	99.2			64.6		50.5	50.5	50.5			
70th %ile Term Code	Gap	Coord			Coord		Hold	Max	Max			
50th %ile Green (s)	25.0	99.2			68.4		50.5	50.5	50.5			
50th %ile Term Code	Gap	Coord			Coord		Hold	Max	Max			
30th %ile Green (s)	21.1	99.2			72.3		50.5	50.5	50.5			
30th %ile Term Code	Gap	Coord			Coord		Hold	Max	Max			
10th %ile Green (s)	15.5	99.2			77.9		50.5	50.5	50.5			
10th %ile Term Code	Gap	Coord			Coord		Hold	Max	Max			
Queue Length 50th (ft)	240	357			580		110	103	96			
Queue Length 95th (ft)	343	547			654		173	182	172			
Internal Link Dist (ft)		496			348			762			183	
Turn Bay Length (ft)	150											
Base Capacity (vph)	376	3152			2140		530	500	515			
Starvation Cap Reductn	0	1316			0		0	0	0			
Spillback Cap Reductn	0	0			0		0	0	0			
Storage Cap Reductn	0	0			0		0	0	0			
Reduced v/c Ratio	0.72	0.82			0.80		0.25	0.35	0.34			

Intersection Summary

Area Type: Other
Cycle Length: 160
Actuated Cycle Length: 160
Offset: 108 (68%), Referenced to phase 2:WBT and 6:EBTL, Start of Yellow
Natural Cycle: 70
Control Type: Actuated-Coordinated
Maximum v/c Ratio: 0.87
Intersection Signal Delay: 27.8 Intersection LOS: C
Intersection Capacity Utilization 69.5% ICU Level of Service C
Analysis Period (min) 15
dr Defacto Right Lane. Recode with 1 though lane as a right lane.

Splits and Phases: 2: I-290 Ramps



Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)



Lane Group	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Volume (vph)	18	1711	1584	54	53	26
Future Volume (vph)	18	1711	1584	54	53	26
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Storage Length (ft)	150			0	0	60
Storage Lanes	1			0	1	1
Taper Length (ft)	25				25	
Lane Util. Factor	1.00	0.95	0.95	0.95	1.00	1.00
Frt			0.995			0.850
Flt Protected	0.950				0.950	
Satd. Flow (prot)	1770	3539	3522	0	1770	1583
Flt Permitted	0.123				0.950	
Satd. Flow (perm)	229	3539	3522	0	1770	1583
Right Turn on Red				Yes		Yes
Satd. Flow (RTOR)			4			27
Link Speed (mph)		45	45		30	
Link Distance (ft)		958	640		988	
Travel Time (s)		14.5	9.7		22.5	
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95
Adj. Flow (vph)	19	1801	1667	57	56	27
Shared Lane Traffic (%)						
Lane Group Flow (vph)	19	1801	1724	0	56	27
Turn Type	Perm	NA	NA		Prot	Prot
Protected Phases		1	1		3	3
Permitted Phases	1					
Detector Phase	1	1	1		3	3
Switch Phase						
Minimum Initial (s)	5.0	5.0	5.0		5.0	5.0
Minimum Split (s)	23.9	23.9	23.9		23.7	23.7
Total Split (s)	110.0	110.0	110.0		50.0	50.0
Total Split (%)	68.8%	68.8%	68.8%		31.3%	31.3%
Maximum Green (s)	104.1	104.1	104.1		44.3	44.3
Yellow Time (s)	4.3	4.3	4.3		3.2	3.2
All-Red Time (s)	1.6	1.6	1.6		2.5	2.5
Lost Time Adjust (s)	0.0	0.0	0.0		0.0	0.0
Total Lost Time (s)	5.9	5.9	5.9		5.7	5.7
Lead/Lag						
Lead-Lag Optimize?						
Vehicle Extension (s)	3.0	3.0	3.0		3.0	3.0
Recall Mode	C-Max	C-Max	C-Max		None	None
Walk Time (s)	7.0	7.0	7.0		7.0	7.0
Flash Dont Walk (s)	11.0	11.0	11.0		11.0	11.0
Pedestrian Calls (#/hr)	0	0	0		0	0
Act Effct Green (s)	141.5	141.5	141.5		10.5	10.5
Actuated g/C Ratio	0.88	0.88	0.88		0.07	0.07
v/c Ratio	0.09	0.58	0.55		0.49	0.21
Control Delay	1.7	7.4	2.0		85.3	25.5
Queue Delay	0.0	0.0	0.0		0.0	0.0
Total Delay	1.7	7.4	2.0		85.3	25.5

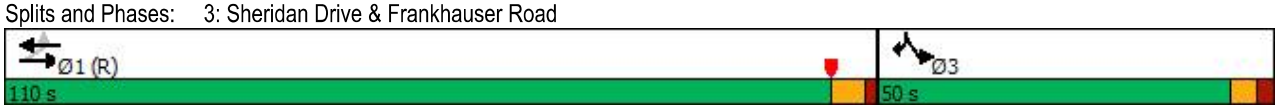
Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Lane Group	EBL	EBT	WBT	WBR	SBL	SBR
LOS	A	A	A		F	C
Approach Delay		7.4	2.0		65.8	
Approach LOS		A	A		E	
90th %ile Green (s)	133.8	133.8	133.8		14.6	14.6
90th %ile Term Code	Coord	Coord	Coord		Gap	Gap
70th %ile Green (s)	136.2	136.2	136.2		12.2	12.2
70th %ile Term Code	Coord	Coord	Coord		Gap	Gap
50th %ile Green (s)	137.9	137.9	137.9		10.5	10.5
50th %ile Term Code	Coord	Coord	Coord		Gap	Gap
30th %ile Green (s)	139.7	139.7	139.7		8.7	8.7
30th %ile Term Code	Coord	Coord	Coord		Gap	Gap
10th %ile Green (s)	154.1	154.1	154.1		0.0	0.0
10th %ile Term Code	Coord	Coord	Coord		Skip	Skip
Queue Length 50th (ft)	1	189	68		58	0
Queue Length 95th (ft)	m2	232	124		106	34
Internal Link Dist (ft)		878	560		908	
Turn Bay Length (ft)	150					60
Base Capacity (vph)	202	3130	3115		490	457
Starvation Cap Reductn	0	0	0		0	0
Spillback Cap Reductn	0	0	0		0	0
Storage Cap Reductn	0	0	0		0	0
Reduced v/c Ratio	0.09	0.58	0.55		0.11	0.06

Intersection Summary			
Area Type:	Other		
Cycle Length: 160			
Actuated Cycle Length: 160			
Offset: 87 (54%), Referenced to phase 1:EBWB, Start of Yellow			
Natural Cycle: 65			
Control Type: Actuated-Coordinated			
Maximum v/c Ratio: 0.58			
Intersection Signal Delay: 6.2		Intersection LOS: A	
Intersection Capacity Utilization 61.1%		ICU Level of Service B	
Analysis Period (min) 15			

m Volume for 95th percentile queue is metered by upstream signal.

Splits and Phases: 3: Sheridan Drive & Frankhauser Road



Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Intersection	
Int Delay, s/veh	28

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	69	1671	28	12	1572	27	14	0	20	16	0	41
Future Vol, veh/h	69	1671	28	12	1572	27	14	0	20	16	0	41
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	125	-	-	150	-	-	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	92	96	96	96	96	92	96	92	96	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	75	1741	29	13	1638	29	15	0	21	17	0	45

Major/Minor	Major1			Major2			Minor1			Minor2		
Conflicting Flow All	1667	0	0	1770	0	0	2751	3599	885	2700	3599	834
Stage 1	-	-	-	-	-	-	1906	1906	-	1679	1679	-
Stage 2	-	-	-	-	-	-	845	1693	-	1021	1920	-
Critical Hdwy	4.14	-	-	4.14	-	-	7.54	6.54	6.94	7.54	6.54	6.94
Critical Hdwy Stg 1	-	-	-	-	-	-	6.54	5.54	-	6.54	5.54	-
Critical Hdwy Stg 2	-	-	-	-	-	-	6.54	5.54	-	6.54	5.54	-
Follow-up Hdwy	2.22	-	-	2.22	-	-	3.52	4.02	3.32	3.52	4.02	3.32
Pot Cap-1 Maneuver	382	-	-	348	-	-	~ 9	5	288	~ 10	5	311
Stage 1	-	-	-	-	-	-	71	115	-	99	150	-
Stage 2	-	-	-	-	-	-	324	147	-	253	113	-
Platoon blocked, %		-	-		-	-						
Mov Cap-1 Maneuver	382	-	-	348	-	-	~ 6	4	288	~ 8	4	311
Mov Cap-2 Maneuver	-	-	-	-	-	-	~ 6	4	-	~ 8	4	-
Stage 1	-	-	-	-	-	-	57	92	-	80	144	-
Stage 2	-	-	-	-	-	-	267	142	-	189	91	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	0.7	0.1	$ 1247.6	$ 901.4
HCM LOS			F	F

Minor Lane/Major Mvmt	NBLn1	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1
Capacity (veh/h)	14	382	-	-	348	-	-	27
HCM Lane V/C Ratio	2.53	0.196	-	-	0.036	-	-	2.295
HCM Control Delay (s)	$ 1247.6	16.7	-	-	15.7	-	-	$ 901.4
HCM Lane LOS	F	C	-	-	C	-	-	F
HCM 95th %tile Q(veh)	5.2	0.7	-	-	0.1	-	-	7.5

Notes			
~: Volume exceeds capacity	$: Delay exceeds 300s	+: Computation Not Defined	*: All major volume in platoon

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (vph)	233	1178	271	163	1213	39	186	354	171	49	394	191
Future Volume (vph)	233	1178	271	163	1213	39	186	354	171	49	394	191
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Storage Length (ft)	350		170	175		0	190		440	350		70
Storage Lanes	1		1	1		0	1		1	1		1
Taper Length (ft)	25			25			25			200		
Lane Util. Factor	1.00	0.95	1.00	1.00	0.95	0.95	1.00	1.00	1.00	1.00	0.95	1.00
Frt			0.850		0.995				0.850			0.850
Flt Protected	0.950			0.950			0.950			0.950		
Satd. Flow (prot)	1770	3539	1583	1770	3522	0	1770	1863	1583	1770	3539	1583
Flt Permitted	0.057			0.096			0.259			0.265		
Satd. Flow (perm)	106	3539	1583	179	3522	0	482	1863	1583	494	3539	1583
Right Turn on Red			Yes			Yes			Yes			Yes
Satd. Flow (RTOR)			132		2				178			128
Link Speed (mph)		45			45			40			35	
Link Distance (ft)		1664			992			903			690	
Travel Time (s)		25.2			15.0			15.4			13.4	
Peak Hour Factor	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96
Adj. Flow (vph)	243	1227	282	170	1264	41	194	369	178	51	410	199
Shared Lane Traffic (%)												
Lane Group Flow (vph)	243	1227	282	170	1305	0	194	369	178	51	410	199
Turn Type	pm+pt	NA	Prot	pm+pt	NA		pm+pt	NA	Perm	pm+pt	NA	Perm
Protected Phases	1	6	6	5	2		7	4		3	8	
Permitted Phases	6			2			4		4	8		8
Detector Phase	1	6	6	5	2		7	4	4	3	8	8
Switch Phase												
Minimum Initial (s)	6.0	28.0	28.0	6.0	6.0		6.0	6.0	6.0	6.0	15.0	15.0
Minimum Split (s)	25.0	71.0	71.0	25.0	71.0		25.0	44.0	44.0	20.0	39.0	39.0
Total Split (s)	25.0	71.0	71.0	25.0	71.0		25.0	44.0	44.0	20.0	39.0	39.0
Total Split (%)	15.6%	44.4%	44.4%	15.6%	44.4%		15.6%	27.5%	27.5%	12.5%	24.4%	24.4%
Maximum Green (s)	17.9	63.9	63.9	17.9	63.9		17.4	36.4	36.4	12.4	31.4	31.4
Yellow Time (s)	4.3	4.3	4.3	4.3	4.3		4.0	4.0	4.0	4.0	4.0	4.0
All-Red Time (s)	2.8	2.8	2.8	2.8	2.8		3.6	3.6	3.6	3.6	3.6	3.6
Lost Time Adjust (s)	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0	0.0
Total Lost Time (s)	7.1	7.1	7.1	7.1	7.1		7.6	7.6	7.6	7.6	7.6	7.6
Lead/Lag	Lead	Lag	Lag	Lead	Lag		Lead	Lag	Lag	Lead	Lag	Lag
Lead-Lag Optimize?												
Vehicle Extension (s)	3.0	3.0	3.0	3.0	3.0		3.0	3.0	3.0	3.0	3.0	3.0
Recall Mode	None	C-Max	C-Max	None	C-Max		None	None	None	None	None	None
Walk Time (s)		7.0	7.0					7.0	7.0		7.0	7.0
Flash Dont Walk (s)		11.0	11.0					11.0	11.0		11.0	11.0
Pedestrian Calls (#/hr)		0	0					0	0		0	0
Act Effct Green (s)	90.2	71.9	71.9	81.1	66.2		51.1	37.9	37.9	35.9	27.3	27.3
Actuated g/C Ratio	0.56	0.45	0.45	0.51	0.41		0.32	0.24	0.24	0.22	0.17	0.17
v/c Ratio	0.89	0.77	0.36	0.71	0.89		0.68	0.84	0.35	0.28	0.68	0.53
Control Delay	68.2	36.3	17.1	44.1	53.1		52.9	75.3	8.1	40.9	67.8	26.4
Queue Delay	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	68.2	36.3	17.1	44.1	53.1		52.9	75.3	8.1	40.9	67.8	26.4

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
LOS	E	D	B	D	D		D	E	A	D	E	C
Approach Delay		37.6			52.1			53.3			53.3	
Approach LOS		D			D			D			D	
90th %ile Green (s)	17.9	63.9	63.9	17.9	63.9		17.4	37.5	37.5	11.3	31.4	31.4
90th %ile Term Code	Max	Coord	Coord	Max	Coord		Max	Max	Max	Gap	Hold	Hold
70th %ile Green (s)	17.9	63.9	63.9	17.9	63.9		17.4	39.1	39.1	9.7	31.4	31.4
70th %ile Term Code	Max	Coord	Coord	Max	Coord		Max	Max	Max	Gap	Hold	Hold
50th %ile Green (s)	19.4	66.9	66.9	16.4	63.9		17.4	38.8	38.8	8.5	29.9	29.9
50th %ile Term Code	Max	Coord	Coord	Gap	Coord		Max	Gap	Gap	Gap	Hold	Hold
30th %ile Green (s)	24.9	75.2	75.2	13.6	63.9		16.4	34.2	34.2	7.6	25.4	25.4
30th %ile Term Code	Max	Coord	Coord	Gap	Coord		Gap	Gap	Gap	Gap	Hold	Hold
10th %ile Green (s)	22.5	89.5	89.5	8.6	75.6		14.2	40.1	40.1	0.0	18.3	18.3
10th %ile Term Code	Gap	Coord	Coord	Gap	Coord		Gap	Hold	Hold	Skip	Gap	Gap
Queue Length 50th (ft)	219	641	131	91	681		150	368	0	36	210	64
Queue Length 95th (ft)	#402	733	201	177	#825		219	#539	65	69	267	148
Internal Link Dist (ft)		1584			912			823			610	
Turn Bay Length (ft)	350		170	175			190		440	350		70
Base Capacity (vph)	273	1589	783	272	1459		293	446	515	221	694	413
Starvation Cap Reductn	0	0	0	0	0		0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0		0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0		0	0	0	0	0	0
Reduced v/c Ratio	0.89	0.77	0.36	0.63	0.89		0.66	0.83	0.35	0.23	0.59	0.48

Intersection Summary

Area Type: Other
Cycle Length: 160
Actuated Cycle Length: 160
Offset: 30 (19%), Referenced to phase 2:WBTL and 6:EBTL, Start of Yellow
Natural Cycle: 160
Control Type: Actuated-Coordinated
Maximum v/c Ratio: 0.89
Intersection Signal Delay: 47.0 Intersection LOS: D
Intersection Capacity Utilization 95.8% ICU Level of Service F
Analysis Period (min) 15
95th percentile volume exceeds capacity, queue may be longer.
Queue shown is maximum after two cycles.

Splits and Phases: 5: North Forest Road & Sheridan Drive



Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Build SAT Midday
1: Harlem Road & Sheridan Drive

Amherst Central Park
10/12/2023

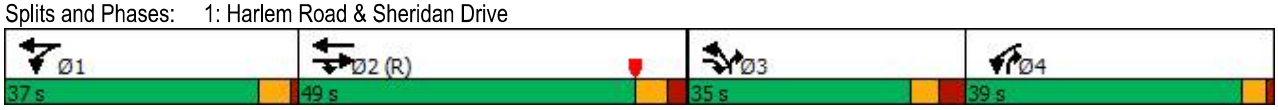
Lane Group	EBT	EBR	WBL	WBT	NBL	NBR	Ø1	Ø4
Lane Configurations								
Traffic Volume (vph)	650	343	378	588	170	517		
Future Volume (vph)	650	343	378	588	170	517		
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900		
Storage Length (ft)		0	230		0	0		
Storage Lanes		1	1		2	2		
Taper Length (ft)			25		25			
Lane Util. Factor	0.95	1.00	0.97	0.95	0.97	0.88		
Frt		0.850				0.850		
Flt Protected			0.950		0.950			
Satd. Flow (prot)	3574	1599	3467	3574	3467	2814		
Flt Permitted			0.950		0.950			
Satd. Flow (perm)	3574	1599	3467	3574	3467	2814		
Right Turn on Red		Yes				Yes		
Satd. Flow (RTOR)		349				533		
Link Speed (mph)	45			45	30			
Link Distance (ft)	570			576	995			
Travel Time (s)	8.6			8.7	22.6			
Peak Hour Factor	0.97	0.97	0.97	0.97	0.97	0.97		
Heavy Vehicles (%)	1%	1%	1%	1%	1%	1%		
Adj. Flow (vph)	670	354	390	606	175	533		
Shared Lane Traffic (%)								
Lane Group Flow (vph)	670	354	390	606	175	533		
Turn Type	NA	pt+ov	Prot	NA	Prot	custom		
Protected Phases	2	2 3	1 4	2 1	3	3 4	1	4
Permitted Phases								
Detector Phase	2	2 3	1 4	2 1	3	3 4		
Switch Phase								
Minimum Initial (s)	5.0				5.0		5.0	5.0
Minimum Split (s)	24.7				24.9		24.7	22.5
Total Split (s)	49.0				35.0		37.0	39.0
Total Split (%)	30.6%				21.9%		23%	24%
Maximum Green (s)	42.3				28.1		31.9	34.7
Yellow Time (s)	4.0				3.6		4.0	3.2
All-Red Time (s)	2.7				3.3		1.1	1.1
Lost Time Adjust (s)	0.0				0.0			
Total Lost Time (s)	6.7				6.9			
Lead/Lag	Lag				Lead		Lead	Lag
Lead-Lag Optimize?								
Vehicle Extension (s)	3.0				3.0		3.0	3.0
Recall Mode	C-Max				Min		None	None
Walk Time (s)	7.0				7.0		7.0	7.0
Flash Dont Walk (s)	11.0				11.0		11.0	11.0
Pedestrian Calls (#/hr)	0				0		0	0
Act Effct Green (s)	80.2	102.2	46.0	105.3	15.1	41.1		
Actuated g/C Ratio	0.50	0.64	0.29	0.66	0.09	0.26		
v/c Ratio	0.37	0.31	0.39	0.26	0.54	0.48		
Control Delay	27.2	2.2	31.0	9.0	74.7	4.5		
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0		

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Lane Group	EBT	EBR	WBL	WBT	NBL	NBR	Ø1	Ø4
Total Delay	27.2	2.2	31.0	9.0	74.7	4.5		
LOS	C	A	C	A	E	A		
Approach Delay	18.6			17.6	21.8			
Approach LOS	B			B	C			
90th %ile Green (s)	63.4				19.8		27.6	26.2
90th %ile Term Code	Coord				Gap		Gap	Gap
70th %ile Green (s)	72.9				16.8		23.0	24.3
70th %ile Term Code	Coord				Gap		Gap	Gap
50th %ile Green (s)	80.1				15.3		19.7	21.9
50th %ile Term Code	Coord				Gap		Gap	Gap
30th %ile Green (s)	87.6				12.9		16.6	19.9
30th %ile Term Code	Coord				Gap		Gap	Gap
10th %ile Green (s)	97.1				10.7		13.0	16.2
10th %ile Term Code	Coord				Gap		Gap	Gap
Queue Length 50th (ft)	222	2	89	205	91	0		
Queue Length 95th (ft)	333	48	87	254	129	46		
Internal Link Dist (ft)	490			496	915			
Turn Bay Length (ft)			230					
Base Capacity (vph)	1791	1249	1254	2341	608	1304		
Starvation Cap Reductn	0	0	0	0	0	0		
Spillback Cap Reductn	0	0	0	0	0	0		
Storage Cap Reductn	0	0	0	0	0	0		
Reduced v/c Ratio	0.37	0.28	0.31	0.26	0.29	0.41		

Intersection Summary			
Area Type:	Other		
Cycle Length: 160			
Actuated Cycle Length: 160			
Offset: 157 (98%), Referenced to phase 2:EBWB, Start of Yellow			
Natural Cycle: 100			
Control Type: Actuated-Coordinated			
Maximum v/c Ratio: 0.54			
Intersection Signal Delay: 19.1		Intersection LOS: B	
Intersection Capacity Utilization 49.2%		ICU Level of Service A	
Analysis Period (min) 15			

Splits and Phases: 1: Harlem Road & Sheridan Drive



Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

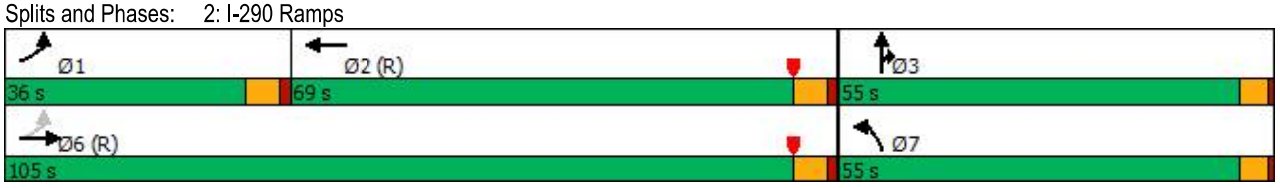
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (vph)	176	979	0	0	821	314	169	0	299	0	0	0
Future Volume (vph)	176	979	0	0	821	314	169	0	299	0	0	0
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Storage Length (ft)	150		0	150		0	0		0	0		0
Storage Lanes	1		0	0		0	1		1	0		0
Taper Length (ft)	25			25			25			25		
Lane Util. Factor	1.00	0.91	1.00	1.00	0.91	0.91	0.95	0.91	0.95	1.00	1.00	1.00
Frt					0.959			0.866	0.850			
Flt Protected	0.950						0.950	0.995				
Satd. Flow (prot)	1787	5136	0	0	4925	0	1698	1475	1519	0	0	0
Flt Permitted	0.179						0.950	0.995				
Satd. Flow (perm)	337	5136	0	0	4925	0	1698	1475	1519	0	0	0
Right Turn on Red			Yes			Yes			Yes			No
Satd. Flow (RTOR)					71			130	130			
Link Speed (mph)		30			30			30			30	
Link Distance (ft)		576			428			842			263	
Travel Time (s)		13.1			9.7			19.1			6.0	
Peak Hour Factor	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98
Heavy Vehicles (%)	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%
Adj. Flow (vph)	180	999	0	0	838	320	172	0	305	0	0	0
Shared Lane Traffic (%)							10%		48%			
Lane Group Flow (vph)	180	999	0	0	1158	0	155	163	159	0	0	0
Turn Type	pm+pt	NA			NA		Prot	NA	Prot			
Protected Phases	1	6			2		7	3	3			
Permitted Phases	6											
Detector Phase	1	6			2		7	3	3			
Switch Phase												
Minimum Initial (s)	5.0	5.0			5.0		5.0	5.0	5.0			
Minimum Split (s)	10.8	23.8			23.8		9.5	22.5	22.5			
Total Split (s)	36.0	105.0			69.0		55.0	55.0	55.0			
Total Split (%)	22.5%	65.6%			43.1%		34.4%	34.4%	34.4%			
Maximum Green (s)	30.2	99.2			63.2		50.5	50.5	50.5			
Yellow Time (s)	4.3	4.3			4.3		3.5	3.5	3.5			
All-Red Time (s)	1.5	1.5			1.5		1.0	1.0	1.0			
Lost Time Adjust (s)	0.0	0.0			0.0		0.0	0.0	0.0			
Total Lost Time (s)	5.8	5.8			5.8		4.5	4.5	4.5			
Lead/Lag	Lead				Lag							
Lead-Lag Optimize?												
Vehicle Extension (s)	3.0	3.0			3.0		3.0	3.0	3.0			
Recall Mode	None	C-Max			C-Max		None	None	None			
Walk Time (s)		7.0			7.0			7.0	7.0			
Flash Dont Walk (s)		11.0			11.0			11.0	11.0			
Pedestrian Calls (#/hr)		0			0			0	0			
Act Effct Green (s)	106.7	106.7			88.9		43.0	43.0	43.0			
Actuated g/C Ratio	0.67	0.67			0.56		0.27	0.27	0.27			
v/c Ratio	0.54	0.29			0.42		0.34	0.33	0.32			
Control Delay	31.1	20.0			12.2		47.0	12.1	11.4			
Queue Delay	0.0	0.0			0.0		0.0	0.0	0.0			

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Total Delay	31.1	20.0			12.2		47.0	12.1	11.4			
LOS	C	B			B		D	B	B			
Approach Delay		21.7			12.2			23.2				
Approach LOS		C			B			C				
90th %ile Green (s)	16.7	99.2			76.7		50.5	50.5	50.5			
90th %ile Term Code	Gap	Coord			Coord		Hold	Max	Max			
70th %ile Green (s)	13.7	99.2			79.7		50.5	50.5	50.5			
70th %ile Term Code	Gap	Coord			Coord		Hold	Max	Max			
50th %ile Green (s)	12.3	99.2			81.1		50.5	50.5	50.5			
50th %ile Term Code	Gap	Coord			Coord		Hold	Max	Max			
30th %ile Green (s)	10.9	99.2			82.5		50.5	50.5	50.5			
30th %ile Term Code	Gap	Coord			Coord		Hold	Max	Max			
10th %ile Green (s)	6.8	136.9			124.3		12.8	12.8	12.8			
10th %ile Term Code	Gap	Coord			Coord		Gap	Hold	Hold			
Queue Length 50th (ft)	115	166			281		129	26	22			
Queue Length 95th (ft)	210	360			129		197	93	83			
Internal Link Dist (ft)		496			348			762			183	
Turn Bay Length (ft)	150											
Base Capacity (vph)	498	3426			2766		535	491	568			
Starvation Cap Reductn	0	0			0		0	0	0			
Spillback Cap Reductn	0	0			0		0	0	0			
Storage Cap Reductn	0	0			0		0	0	0			
Reduced v/c Ratio	0.36	0.29			0.42		0.29	0.33	0.28			

Intersection Summary			
Area Type:	Other		
Cycle Length: 160			
Actuated Cycle Length: 160			
Offset: 108 (68%), Referenced to phase 2:WBT and 6:EBTL, Start of Yellow			
Natural Cycle: 60			
Control Type: Actuated-Coordinated			
Maximum v/c Ratio: 0.54			
Intersection Signal Delay: 18.0		Intersection LOS: B	
Intersection Capacity Utilization 53.8%		ICU Level of Service A	
Analysis Period (min) 15			

Splits and Phases: 2: I-290 Ramps



Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)



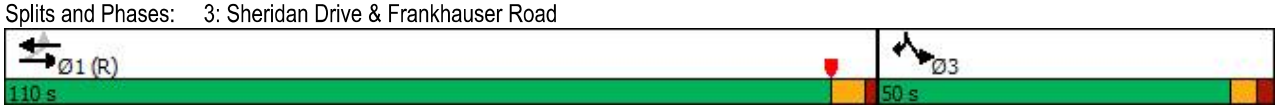
Lane Group	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Volume (vph)	17	1174	1034	39	42	18
Future Volume (vph)	17	1174	1034	39	42	18
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Storage Length (ft)	150			0	0	60
Storage Lanes	1			0	1	1
Taper Length (ft)	25				25	
Lane Util. Factor	1.00	0.95	0.95	0.95	1.00	1.00
Frt			0.994			0.850
Flt Protected	0.950				0.950	
Satd. Flow (prot)	1787	3574	3553	0	1787	1599
Flt Permitted	0.248				0.950	
Satd. Flow (perm)	467	3574	3553	0	1787	1599
Right Turn on Red				Yes		Yes
Satd. Flow (RTOR)			5			19
Link Speed (mph)		45	45		30	
Link Distance (ft)		958	640		988	
Travel Time (s)		14.5	9.7		22.5	
Peak Hour Factor	0.96	0.96	0.96	0.96	0.96	0.96
Heavy Vehicles (%)	1%	1%	1%	1%	1%	1%
Adj. Flow (vph)	18	1223	1077	41	44	19
Shared Lane Traffic (%)						
Lane Group Flow (vph)	18	1223	1118	0	44	19
Turn Type	Perm	NA	NA		Prot	Prot
Protected Phases		1	1		3	3
Permitted Phases	1					
Detector Phase	1	1	1		3	3
Switch Phase						
Minimum Initial (s)	5.0	5.0	5.0		5.0	5.0
Minimum Split (s)	23.9	23.9	23.9		23.7	23.7
Total Split (s)	110.0	110.0	110.0		50.0	50.0
Total Split (%)	68.8%	68.8%	68.8%		31.3%	31.3%
Maximum Green (s)	104.1	104.1	104.1		44.3	44.3
Yellow Time (s)	4.3	4.3	4.3		3.2	3.2
All-Red Time (s)	1.6	1.6	1.6		2.5	2.5
Lost Time Adjust (s)	0.0	0.0	0.0		0.0	0.0
Total Lost Time (s)	5.9	5.9	5.9		5.7	5.7
Lead/Lag						
Lead-Lag Optimize?						
Vehicle Extension (s)	3.0	3.0	3.0		3.0	3.0
Recall Mode	C-Max	C-Max	C-Max		None	None
Walk Time (s)	7.0	7.0	7.0		7.0	7.0
Flash Dont Walk (s)	11.0	11.0	11.0		11.0	11.0
Pedestrian Calls (#/hr)	0	0	0		0	0
Act Effct Green (s)	142.5	142.5	142.5		9.3	9.3
Actuated g/C Ratio	0.89	0.89	0.89		0.06	0.06
v/c Ratio	0.04	0.38	0.35		0.42	0.17
Control Delay	1.0	3.0	1.7		84.1	28.8
Queue Delay	0.0	0.0	0.0		0.0	0.0

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Lane Group	EBL	EBT	WBT	WBR	SBL	SBR
Total Delay	1.0	3.0	1.7		84.1	28.8
LOS	A	A	A		F	C
Approach Delay		3.0	1.7		67.4	
Approach LOS		A	A		E	
90th %ile Green (s)	135.5	135.5	135.5		12.9	12.9
90th %ile Term Code	Coord	Coord	Coord		Gap	Gap
70th %ile Green (s)	137.5	137.5	137.5		10.9	10.9
70th %ile Term Code	Coord	Coord	Coord		Gap	Gap
50th %ile Green (s)	139.1	139.1	139.1		9.3	9.3
50th %ile Term Code	Coord	Coord	Coord		Gap	Gap
30th %ile Green (s)	140.6	140.6	140.6		7.8	7.8
30th %ile Term Code	Coord	Coord	Coord		Gap	Gap
10th %ile Green (s)	154.1	154.1	154.1		0.0	0.0
10th %ile Term Code	Coord	Coord	Coord		Skip	Skip
Queue Length 50th (ft)	1	67	61		45	0
Queue Length 95th (ft)	3	123	73		89	29
Internal Link Dist (ft)		878	560		908	
Turn Bay Length (ft)	150					60
Base Capacity (vph)	416	3184	3165		494	456
Starvation Cap Reductn	0	0	0		0	0
Spillback Cap Reductn	0	0	0		0	0
Storage Cap Reductn	0	0	0		0	0
Reduced v/c Ratio	0.04	0.38	0.35		0.09	0.04

Intersection Summary			
Area Type:	Other		
Cycle Length: 160			
Actuated Cycle Length: 160			
Offset: 87 (54%), Referenced to phase 1:EBWB, Start of Yellow			
Natural Cycle: 55			
Control Type: Actuated-Coordinated			
Maximum v/c Ratio: 0.42			
Intersection Signal Delay: 4.1		Intersection LOS: A	
Intersection Capacity Utilization 46.3%		ICU Level of Service A	
Analysis Period (min) 15			

Splits and Phases: 3: Sheridan Drive & Frankhauser Road



Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Intersection	
Int Delay, s/veh	5.6

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	83	1119	19	18	1004	33	20	0	21	19	0	49
Future Vol, veh/h	83	1119	19	18	1004	33	20	0	21	19	0	49
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	125	-	-	150	-	-	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	92	96	96	96	96	92	96	92	96	92	92	92
Heavy Vehicles, %	2	1	1	1	1	2	1	2	1	2	2	2
Mvmt Flow	90	1166	20	19	1046	36	21	0	22	21	0	53

Major/Minor	Major1			Major2			Minor1			Minor2		
Conflicting Flow All	1082	0	0	1186	0	0	1917	2476	593	1865	2468	541
Stage 1	-	-	-	-	-	-	1356	1356	-	1102	1102	-
Stage 2	-	-	-	-	-	-	561	1120	-	763	1366	-
Critical Hdwy	4.14	-	-	4.12	-	-	7.52	6.54	6.92	7.54	6.54	6.94
Critical Hdwy Stg 1	-	-	-	-	-	-	6.52	5.54	-	6.54	5.54	-
Critical Hdwy Stg 2	-	-	-	-	-	-	6.52	5.54	-	6.54	5.54	-
Follow-up Hdwy	2.22	-	-	2.21	-	-	3.51	4.02	3.31	3.52	4.02	3.32
Pot Cap-1 Maneuver	640	-	-	590	-	-	41	29	451	45	30	485
Stage 1	-	-	-	-	-	-	159	216	-	226	286	-
Stage 2	-	-	-	-	-	-	482	280	-	363	213	-
Platoon blocked, %		-	-		-	-						
Mov Cap-1 Maneuver	640	-	-	590	-	-	32	24	451	37	25	485
Mov Cap-2 Maneuver	-	-	-	-	-	-	32	24	-	37	25	-
Stage 1	-	-	-	-	-	-	137	186	-	194	277	-
Stage 2	-	-	-	-	-	-	415	271	-	297	183	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	0.8	0.2	148.7	86.2
HCM LOS			F	F

Minor Lane/Major Mvmt	NBLn1	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1
Capacity (veh/h)	61	640	-	-	590	-	-	111
HCM Lane V/C Ratio	0.7	0.141	-	-	0.032	-	-	0.666
HCM Control Delay (s)	148.7	11.5	-	-	11.3	-	-	86.2
HCM Lane LOS	F	B	-	-	B	-	-	F
HCM 95th %tile Q(veh)	3	0.5	-	-	0.1	-	-	3.4

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (vph)	171	868	108	125	784	38	108	202	109	56	212	175
Future Volume (vph)	171	868	108	125	784	38	108	202	109	56	212	175
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Storage Length (ft)	350		170	175		0	190		440	350		70
Storage Lanes	1		1	1		0	1		1	1		1
Taper Length (ft)	25			25			25			200		
Lane Util. Factor	1.00	0.95	1.00	1.00	0.95	0.95	1.00	1.00	1.00	1.00	0.95	1.00
Frt			0.850		0.993				0.850			0.850
Flt Protected	0.950			0.950			0.950			0.950		
Satd. Flow (prot)	1787	3574	1599	1787	3549	0	1787	1881	1599	1787	3574	1599
Flt Permitted	0.266			0.261			0.457			0.496		
Satd. Flow (perm)	500	3574	1599	491	3549	0	860	1881	1599	933	3574	1599
Right Turn on Red			Yes			Yes			Yes			Yes
Satd. Flow (RTOR)			132		4				128			167
Link Speed (mph)		45			45			30			30	
Link Distance (ft)		1664			992			903			690	
Travel Time (s)		25.2			15.0			20.5			15.7	
Peak Hour Factor	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99
Heavy Vehicles (%)	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%
Adj. Flow (vph)	173	877	109	126	792	38	109	204	110	57	214	177
Shared Lane Traffic (%)												
Lane Group Flow (vph)	173	877	109	126	830	0	109	204	110	57	214	177
Turn Type	pm+pt	NA	Prot	pm+pt	NA		pm+pt	NA	Perm	pm+pt	NA	Perm
Protected Phases	1	6	6	5	2		7	4		3	8	
Permitted Phases	6			2			4		4	8		8
Detector Phase	1	6	6	5	2		7	4	4	3	8	8
Switch Phase												
Minimum Initial (s)	6.0	28.0	28.0	6.0	6.0		6.0	6.0	6.0	6.0	15.0	15.0
Minimum Split (s)	25.0	71.0	71.0	25.0	71.0		25.0	44.0	44.0	20.0	39.0	39.0
Total Split (s)	25.0	71.0	71.0	25.0	71.0		25.0	44.0	44.0	20.0	39.0	39.0
Total Split (%)	15.6%	44.4%	44.4%	15.6%	44.4%		15.6%	27.5%	27.5%	12.5%	24.4%	24.4%
Maximum Green (s)	17.9	63.9	63.9	17.9	63.9		17.4	36.4	36.4	12.4	31.4	31.4
Yellow Time (s)	4.3	4.3	4.3	4.3	4.3		4.0	4.0	4.0	4.0	4.0	4.0
All-Red Time (s)	2.8	2.8	2.8	2.8	2.8		3.6	3.6	3.6	3.6	3.6	3.6
Lost Time Adjust (s)	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0	0.0
Total Lost Time (s)	7.1	7.1	7.1	7.1	7.1		7.6	7.6	7.6	7.6	7.6	7.6
Lead/Lag	Lead	Lag	Lag	Lead	Lag		Lead	Lag	Lag	Lead	Lag	Lag
Lead-Lag Optimize?												
Vehicle Extension (s)	3.0	3.0	3.0	3.0	3.0		3.0	3.0	3.0	3.0	3.0	3.0
Recall Mode	None	C-Max	C-Max	None	C-Max		None	None	None	None	None	None
Walk Time (s)		7.0	7.0					7.0	7.0		7.0	7.0
Flash Dont Walk (s)		11.0	11.0					11.0	11.0		11.0	11.0
Pedestrian Calls (#/hr)		0	0					0	0		0	0
Act Effct Green (s)	99.8	88.1	88.1	96.2	86.4		37.4	26.0	26.0	28.8	19.4	19.4
Actuated g/C Ratio	0.62	0.55	0.55	0.60	0.54		0.23	0.16	0.16	0.18	0.12	0.12
v/c Ratio	0.43	0.45	0.12	0.34	0.43		0.39	0.67	0.30	0.26	0.50	0.52
Control Delay	9.8	20.4	6.2	14.1	24.3		50.5	74.7	7.5	47.6	69.1	15.6
Queue Delay	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0	0.0

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Total Delay	9.8	20.4	6.2	14.1	24.3		50.5	74.7	7.5	47.6	69.1	15.6
LOS	A	C	A	B	C		D	E	A	D	E	B
Approach Delay		17.5			22.9			51.0			45.2	
Approach LOS		B			C			D			D	
90th %ile Green (s)	16.1	75.0	75.0	13.3	72.2		17.2	30.0	30.0	12.3	25.1	25.1
90th %ile Term Code	Gap	Coord	Coord	Gap	Coord		Gap	Gap	Gap	Gap	Hold	Hold
70th %ile Green (s)	13.1	83.2	83.2	11.0	81.1		14.9	25.7	25.7	10.7	21.5	21.5
70th %ile Term Code	Gap	Coord	Coord	Gap	Coord		Gap	Gap	Gap	Gap	Hold	Hold
50th %ile Green (s)	11.3	88.8	88.8	9.6	87.1		13.3	22.7	22.7	9.5	18.9	18.9
50th %ile Term Code	Gap	Coord	Coord	Gap	Coord		Gap	Gap	Gap	Gap	Hold	Hold
30th %ile Green (s)	9.7	94.4	94.4	8.4	93.1		11.5	19.6	19.6	8.2	16.3	16.3
30th %ile Term Code	Gap	Coord	Coord	Gap	Coord		Gap	Gap	Gap	Gap	Hold	Hold
10th %ile Green (s)	8.0	99.3	99.3	7.0	98.3		9.3	31.9	31.9	0.0	15.0	15.0
10th %ile Term Code	Gap	Coord	Coord	Gap	Coord		Gap	Hold	Hold	Skip	Min	Min
Queue Length 50th (ft)	44	247	18	46	263		92	209	0	47	112	9
Queue Length 95th (ft)	123	454	83	88	385		137	288	40	80	151	83
Internal Link Dist (ft)		1584			912			823			610	
Turn Bay Length (ft)	350		170	175			190		440	350		70
Base Capacity (vph)	470	1968	940	462	1917		313	427	462	251	701	448
Starvation Cap Reductn	0	0	0	0	0		0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0		0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0		0	0	0	0	0	0
Reduced v/c Ratio	0.37	0.45	0.12	0.27	0.43		0.35	0.48	0.24	0.23	0.31	0.40

Intersection Summary			
Area Type:	Other		
Cycle Length: 160			
Actuated Cycle Length: 160			
Offset: 30 (19%), Referenced to phase 2:WBTL and 6:EBTL, Start of Yellow			
Natural Cycle: 160			
Control Type: Actuated-Coordinated			
Maximum v/c Ratio: 0.67			
Intersection Signal Delay: 28.1		Intersection LOS: C	
Intersection Capacity Utilization 75.3%		ICU Level of Service D	
Analysis Period (min) 15			

Splits and Phases: 5: North Forest Road & Sheridan Drive



Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Appendix E – Signal Warrant Analysis

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project	Amherst Central Park	Sheet	1 of 7
	Signal Warrant Analysis	File #	H22.007.002
Prepared by	S. Gallagher	Date	10/10/23
Checked by		Date	

Sheridan Drive at Fenwick Road Signal Warrant Analysis

Reference: FHWA Manual on Uniform Traffic Control Devices 2009 Edition, Chapter 4C Warrants
NYS Supplement MUTCD, 2009 Edition, Chapter 4C Warrants

Background Data:

Artery: Sheridan Drive (NYS Route 324)
Side Road: Fenwick road

Traffic Volumes:	Saturday Peak Hour	8th Highest Hour
Artery (Total of Both Approaches, incl aux lns):	2276	1366
Side Road (Highest of either approach, 1 dir only, incl aux lns):	68	41

* If 8th highest hour is not known, use 0.6 x peak hour

Number of Approach Lanes excluding Auxiliary Lanes
Artery: 2
Side Road: 1

Warrant 1 - Eight-Hour Vehicular Volume

85th percentile speed exceed 40 mph? Yes
OR
Is intersection within built up area of an isolated community having population less than 10,000? No
If answer is yes to either question, then 70% or 56% of condition can be applicable No

Condition A - Min Vehicular Volume

Number of lanes Each Approach		VPH on Major Total Both Approaches Incl Aux Lanes				VPH on Higher Volume Minor Approach Incl Aux Lanes			
Major	Minor	100%	80%	70%	56%	100%	80%	70%	56%
1	1	500	400	350	280	150	120	105	84
2 or more	1	600	480	420	336	150	120	105	84
2 or more	2 or more	600	480	420	336	200	160	140	112
1	2 or more	500	400	350	280	200	160	140	112

Condition B - Interruption of Continous Traffic

Number of lanes Each Approach		VPH on Major Total Both Approaches Incl Aux Lanes				VPH on Higher Volume Minor Approach Incl Aux Lanes			
Major	Minor	100%	80%	70%	56%	100%	80%	70%	56%
1	1	750	600	525	420	75	60	53	42
2 or more	1	900	720	630	504	75	60	53	42
2 or more	2 or more	900	720	630	504	100	80	70	56
1	2 or more	750	600	525	420	100	80	70	56

Major # Lanes 2 VPH on Artery 1366
Minor # Lanes 1 VPH on Side Road 41

Warrant Satisfied:

No

If 100% of A or B is met, then yes (same 8 hours for major/minor)
If 80% of A and B is met, then yes (same major/minor 8 hours, but not same for A&B)
If speed is > 40MPH and 70% of A or B is met, then yes
If speed is > 40MPH and 56% of A and B is met, then yes

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

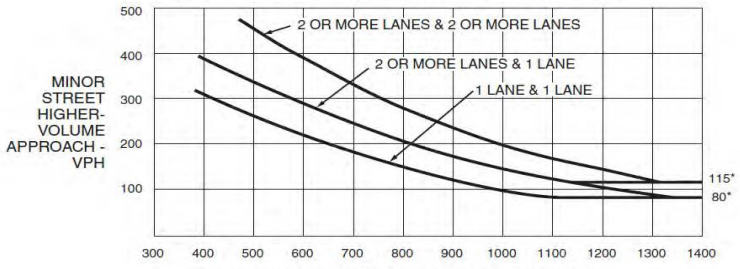
Project	**Amherst Central Park**	Sheet	**2** of **7**
	Signal Warrant Analysis	File #	**H22.007.002**
Prepared by	**S. Gallagher**	Date	**10/10/23**
Checked by		Date	

Warrant 2 - Four Hour Volumes

Four Highest Hourly Volumes (any four hrs, same for side rd and artery, not necessarily consectutive)

Major	1914	Minor	68
(Both Approaches)	2039	(1 direction)	
	1989		57
	2023		

Figure 4C-1. Warrant 2, Four-Hour Vehicular Volume



*Note: 115 vph applies as the lower threshold volume for a minor-street approach with two or more lanes and 80 vph applies as the lower threshold volume for a minor-street approach with one lane.

If 4 volumes when plotted fall above curve shown for given approach lane configuration, warrant is satisfied

Does the 85th percentile speed exceed 40 mph? Yes

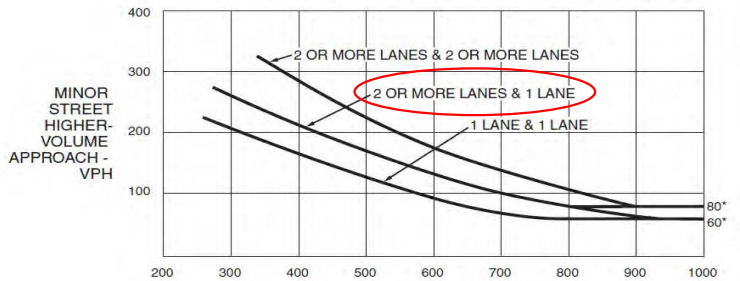
OR

Is intersection within built up area of an isolated community having population less than 10,000? No

If Yes to either, then the following graph should be used:

Figure 4C-2. Warrant 2, Four-Hour Vehicular Volume (70% Factor)

(COMMUNITY LESS THAN 10,000 POPULATION OR ABOVE 40 MPH ON MAJOR STREET)



*Note: 80 vph applies as the lower threshold volume for a minor-street approach with two or more lanes and 60 vph applies as the lower threshold volume for a minor-street approach with one lane.

If 4 volumes when plotted fall above curve shown for given approach lane configuration, warrant is satisfied

Warrant Satisfied: **No**

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project	**Amherst Central Park**	Sheet	**3** of **7**
	Signal Warrant Analysis	File #	**H22.007.002**
Prepared by	**S. Gallagher**	Date	**10/10/23**
Checked by		Date	

Warrant 3 - Peak Hour

(used in unusual cases that attract or discharge a lot of vehicles in a short amount of time)

Criteria A or B need to be met for warrant to be met

Criteria A: need all three (3) conditions to be met

1) stopped time delay for minor (1 dir) equals or exceeds 4 veh/hrs (1 appr) or 5 veh/hr (2 appr) and Yes
2) volume on the same minor appr equals or exceeds 100 veh/hr (1 lane) or 150 veh/hr (2 lanes) and No
3) total entering volume equals or exceeds 650 veh/hr (3 appr) or 800 veh/hr (4 + appr) Yes

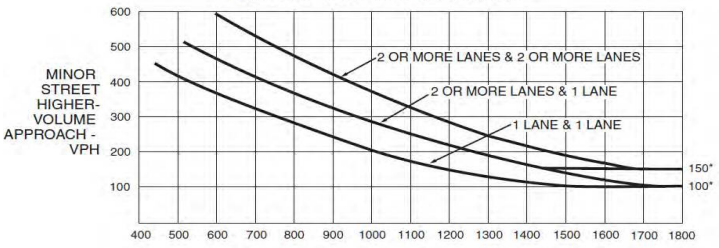
Criteria A met? No

Criteria B

Peak Hour Volume (any 4 consecutive 15 minute intervals)

Major 2276 (Both Approaches) Minor 68 (1 direction)

Figure 4C-3. Warrant 3, Peak Hour



*Note: 150 vph applies as the lower threshold volume for a minor-street approach with two or more lanes and 100 vph applies as the lower threshold volume for a minor-street approach with one lane.

If Peak Hour volume when plotted falls above curve shown for given approach lane configuration, Criteria B is satisfied

Does the 85th percentile speed exceed 40 mph? Yes

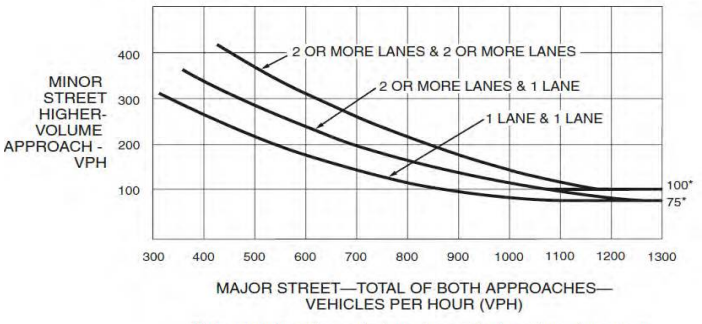
OR

Is intersection within built up area of an isolated community having population less than 10,000? No

If Yes to either, then the following graph should be used:

Figure 4C-4. Warrant 3, Peak Hour (70% Factor)

(COMMUNITY LESS THAN 10,000 POPULATION OR ABOVE 40 MPH ON MAJOR STREET)



*Note: 100 vph applies as the lower threshold volume for a minor-street approach with two or more lanes and 75 vph applies as the lower threshold volume for a minor-street approach with one lane.

If Peak Hour volume when plotted falls above curve shown for given approach lane configuration, criteria B is satisfied

Criteria B met? No

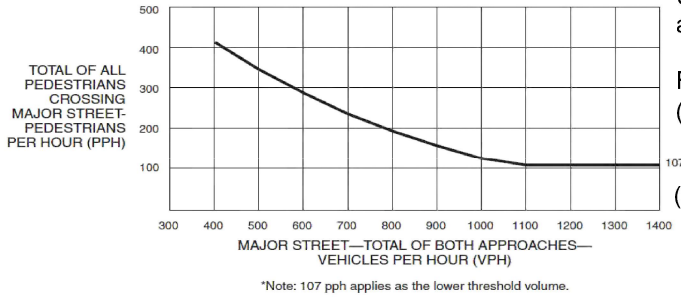
Warrant Satisfied: **No**

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project	Amherst Central Park	Sheet	4 of 7
	Signal Warrant Analysis	File #	H22.007.002
Prepared by	S. Gallagher	Date	10/10/23
Checked by		Date	

Warrant 4 - Minimum Pedestrian Volume

Figure 4C-5. Warrant 4, Pedestrian Four-Hour Volume



*Note: 107 pph applies as the lower threshold volume.

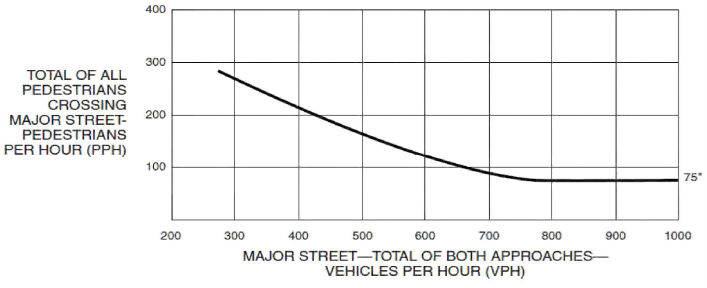
Use Figure 4C-5 for any 4 hours of an average day

Four-hour Volumes
(any 4 hours of an average day)

Major 2276 (Both Approaches) Peds 0 (Crossing Major)

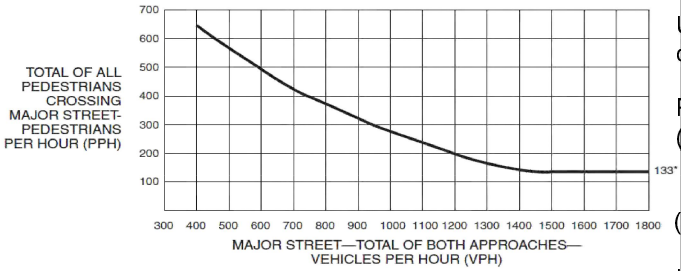
Use Figure 4C-6 for 4-hour volumes if the speed limit or 85th percentile speed on the major exceeds 35 MPH, or if the intersection lies in a built-up area of an isolated community of less than 10,000

Figure 4C-6. Warrant 4, Pedestrian Four-Hour Volume (70% Factor)



*Note: 75 pph applies as the lower threshold volume.

Figure 4C-7. Warrant 4, Pedestrian Peak Hour



*Note: 133 pph applies as the lower threshold volume.

Use Figure 4C-7 for one hour (any 4 consecutive 15 min periods)

Peak Hour Volume
(any 4 consecutive 15 min intervals)

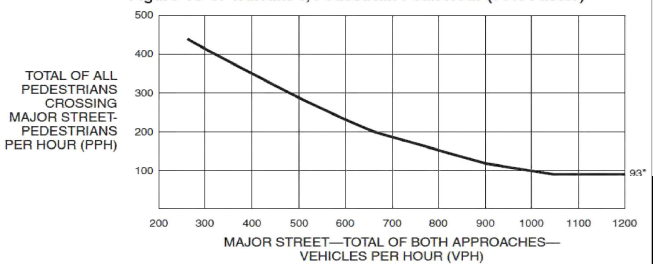
Major 2276 (Both Approaches) Peds 0 (Crossing Major)

Use Figure 4C-8 for 4-hour volumes if the speed limit or 85th percentile speed on the major exceeds 35 MPH, or if the intersection lies in a built-up area of an isolated community of less than 10,000

This warrant shall not be applied at locations where the distance to the nearest signal along major is less than 90m (300ft)

*** The ped criterion may be reduced as much as 50% if the average crossing speed of a ped is less than 3.5 ft/s**

Figure 4C-8. Warrant 4, Pedestrian Peak Hour (70% Factor)



*Note: 93 pph applies as the lower threshold volume.

Warrant Satisfied: **No**

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project	Amherst Central Park	Sheet	5 of 7
	Signal Warrant Analysis	File #	H22.007.002
Prepared by	S. Gallagher	Date	10/10/23
Checked by		Date	

Warrant 5 - School Crossing

Are the # of adequate gaps in each hour less than the # of minutes in each hour? N/A
AND
Are there a minimum of 20 students during the highest crossing hour? N/A

This warrant shall not be applied at locations where the distance to the nearest signal along the

major is less than 90m (300ft)

Warrant Satisfied: **No**

This warrant does not apply because it is for school children, and there are no schools near this intersection.

Warrant 6 - Coordinated Signal System

Are the adjacent traffic control signals so far apart that they do no provide a necessary degree of vehicular platooning (1-way street or traffic mainly in 1 direction)? No
OR
On a 2-way street will proposed and adjacent signals provide a progressive operation? No

* This warrant should not be applied where the spacing of signals would be less than 300m (1000ft).

Warrant Satisfied: **No**

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project	Amherst Central Park	Sheet	6 of 7
	Signal Warrant Analysis	File #	H22.007.002
Prepared by	S. Gallagher	Date	10/10/23
Checked by		Date	

Warrant 7 - Crash Experience

Have adequate trial of less restrictive remedies with satisfactory observance and enforcement failed to reduce the number of accidents? No

AND

Have there been 5 or more reported accidents susceptible to correction by a traffic signal within a 12 month period? Yes

AND

Are vehicle and ped volumes at least 80% of the requirements specified in Warrants 1 (Cond A or B) or 4? (56% criteria can be used if applicable) No

The answer to all above questions must be "yes" to satisfy this warrant

Warrant Satisfied: **No**

Warrant 8 - Roadway Network (for intersection of 2 majors)

1) Total Existing Weekday Peak Hour Volume Entering Intersection 3502
   Is this volume > 1000 VPH? No
   AND
   Do the ETC+5 yrs volumes satisfy warrants 1, 2 or 3? No

   OR

2) 5th highest Weekend volume entering intersection
   Is this volume > 1000 VPH? No

Both answers to 1) **or** the answer to 2) must be "yes" to satisfy this warrant

Warrant Satisfied: **No**

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Project	Amherst Central Park	Sheet	7 of 7
	Signal Warrant Analysis	File #	H22.007.002
Prepared by	S. Gallagher	Date	10/10/23
Checked by		Date	

Warrant 9 - Intersection Near a Grade Crossing

This warrant does not apply because there are no grade crossings at this intersection

Criteria A and B need to be met for warrant to be met

Criteria A:

A grade crossing exists on an approach controlled by a stop or yield sign and the center of the track nearest to the intersection is within 140 ft of the stop line or yield line on the approach

Criteria A met? No

Criteria B

Highest traffic volume hour with rail traffic (if rail schedule isn't known, use peak hour volumes)

Major 2276 (Both Approaches) Minor 68 (1 direction)

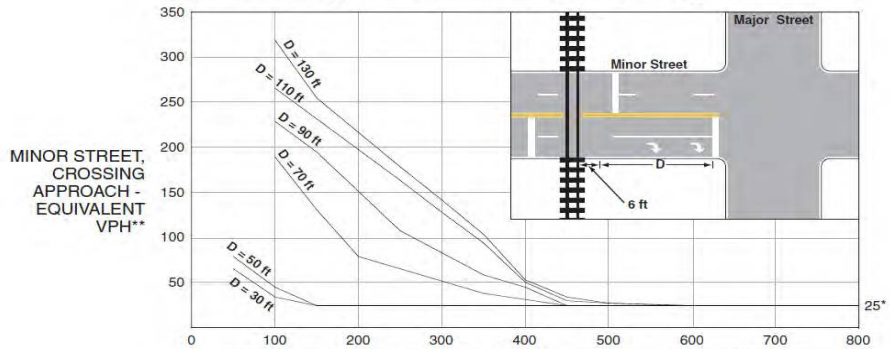
Figure 4C-9. Warrant 9, Intersection Near a Grade Crossing (One Approach Lane at the Track Crossing)



* 25 vph applies as the lower threshold volume

** VPH after applying the adjustment factors in Tables 4C-2, 4C-3, and/or 4C-4, if appropriate

Figure 4C-10. Warrant 9, Intersection Near a Grade Crossing (Two or More Approach Lanes at the Track Crossing)



* 25 vph applies as the lower threshold volume

** VPH after applying the adjustment factors in Tables 4C-2, 4C-3, and/or 4C-4, if appropriate

See MUTCD text for adjustment based on frequency of rail traffic, high-occupancy buses and tractor-trailer percentages

Criteria B met? No

Warrant Satisfied: **No**

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Wetland and Waterbodies Delineation Report

for

AMHERST CENTRAL PARK - 772 NORTH FOREST ROAD

Town of Amherst

Erie County, New York

for

Town of Amherst

EARTH DIMENSIONS, INC.

Soils Investigations • Wetland Delineations

June 12, 2023
EDI Project Code: **W1I09d**

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

REPORT SUMMARIZING
THE RESULTS OF
A WETLAND DELINEATION SURVEY OF

AMHERST CENTRAL PARK - 772 NORTH FOREST ROAD

Prepared for Submission to:

U.S. ARMY CORPS OF ENGINEERS
1776 NIAGARA STREET
BUFFALO, NEW YORK 14207

Prepared By:

EARTH DIMENSIONS, INC.
1091 JAMISON ROAD
ELMA, NEW YORK 14059

Prepared For:

JEFFREY SZATKOWSKI
TOWN OF AMHERST PLANNING DEPARTMENT
5583 MAIN STREET
WILLIAMSVILLE, NEW YORK 14221
JSZATKOWSKI@AMHERST.NY.US
(716) 631-7051

REPORT DATE: June 12, 2023

EDI PROJECT CODE: W1I09d

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

PROJECT INFORMATION

Project Name	Amherst Central Park - 772 North Forest Road
Street Address	772 North Forest Road, 385 Maple Road, 391 Maple Road
SBL Number	68.01-1-1.2; 55.18-4-9; 55.18-4-10
Town	Amherst
County	Erie
State	New York
Latitude/Longitude (NAD83)	42.98375°N, -78.77276°W
Investigation Area	170± Acres
USGS 7.5 Minute Topographical Map	Buffalo NE Quadrangle
Waterway	Ellicott Creek
Hydrologic Unit Code	04120104
Date of Delineation	June 5 & 6, 2023
Consultant	Earth Dimensions, Inc. 1091 Jamison Road Elma, New York 14059
Point of Contact	Scott Livingstone (716)655-1717 slivingstone@earthdimensions.com
Engineer	N/A
Property Owner	Town of Amherst
Authority	Section 404, Article 15
Permit/Letter Being Requested	Jurisdictional Determination

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

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Figure 6-1: Wetland Delineation Map

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Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

EXECUTIVE SUMMARY

The Town of Amherst has proposed the development of a 170± acre parcel located along the north side of Sheridan Drive and south side of Maple Road in the Town of Amherst, County of Erie, and State of New York. The Town of Amherst has retained Earth Dimensions, Inc. (EDI) to complete a wetland delineation report that would allow the U.S. Army Corps of Engineers (USACE) and New York State Department of Environmental Conservation (NYSDEC) to determine their jurisdictional authority over the investigation area, pursuant to Section 404 of the Clean Water Act and Articles 15 (Protection of Waters) and 24 (Freshwater Wetlands) of the New York State Environmental Conservation Law. The proposed project does not qualify for Bipartisan Infrastructure Law (BIL) funding.

A preliminary review of available information pertaining to vegetation, soils, and hydrology in the project area was implemented prior to conducting a field investigation at the site. Sources of information included the United States Geological Survey (USGS), Natural Resources Conservation Service (NRCS), National Wetland Inventory (NWI), and NYSDEC Freshwater Wetland maps. The USGS, NRCS and NWI maps indicate the potential for wetlands under federal jurisdiction.

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 twelve (12) wetland areas totaling 10.26± acres within the investigation area. Ellicott Creek also runs along the eastern limits of the investigation area. The identification number of the wetlands, their acreage and boundary flags are as follows:

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

TABLE 1: WETLAND SUMMARY

Wetland Identification #	Geographic Center (WGS84)		Boundary Flag #	Total Acreage On-site	Wetland Type (Cowardin)	Wetland Type (Reschke)
	Latitude	Longitude				
Wetland 1	42.99044	-78.77465	W1-1 through W1-20	0.74±	PSS1B	Scrub-shrub swamp
Wetland 2	42.98971	-78.77370	W2-1 through W2-22	0.60±	POW	Golf Course Pond
Wetland 3	42.98921	-78.77396	W3-1 through W3-15	0.34±	PSS1B	Scrub-shrub
Wetland 4	42.98930	-78.77195	W4-1 through W4-16	1.09±	POW	Golf Course Pond
Wetland 5	42.98782	-78.77423	W5-1 through W5-37	2.63±	PFO1B	Hardwood Swamp
Wetland 6	42.98674	-78.77458	W6-1 through W6-14	0.94±	POW	Golf Course Pond
Wetland 7	42.98584	-78.77297	W7-1 through W7-4	0.02±	PSS1B	Scrub-shrub
Wetland 8	42.98569	-78.77232	W8-1 through W8-8	0.22±	PSS1B	Scrub-shrub
Wetland 9	42.98439	-78.77364	W9-1 through W9-25	0.93±	PSS1B	Scrub-shrub
Wetland 10	42.98405	-78.76966	W10-1 through W10-55	2.25±	PEM1H/ R2UB1	Emergent Marsh/ Perennial Stream
Wetland 11	42.97857	-78.77402	W11-1 through W11-30	0.33±	PEM1C	Shallow Emergent Marsh
Wetland 12	42.97880	-78.77200	W12-1 through W12-11	0.17±	POW	Golf Course Pond
Total Wetland Acreage:				10.26±		

TABLE 2: STREAM & DRAINAGE SUMMARY

Stream Identification #	Geographic Center (WGS84)		Waterway	DEC Class	Linear Feet On-site	Highwater Width (Ft)	Flow Regime	Substrate	Classification (Cowardin)
	Latitude	Longitude							
Stream 1	42.98364	-78.76937	Ellicott Creek	B	1723 feet	50-75	Perennial	Gravel, Cobble	R2UB1
Stream 2	42.98338	-78.77022	UNT	N/A	252 feet	2	Ephemeral	Silt, Organic	R4SB7
Stream 3	42.97902	-78.77471	UNT	N/A	1155 feet	6-8	Intermittent	Silt, Organic	R4SB7

TABLE 3: WATERBODY SUMMARY

Identification #	Flag #	Geographic Center (WGS84)		Acreage On-site	Classification (Cowardin)	Type (Reschke)
		Latitude	Longitude			
Pond 1	W2-1 through W2-22	42.98973	-78.77372	0.60±	POW	Golf Course Pond
Pond 2	W4-1 through W4-16	42.98940	-78.77190	1.09±	POW	Golf Course Pond
Pond 3	W6-1 through W6-14	42.98671	-78.77458	0.94±	POW	Golf Course Pond
Pond 4	W12-1 through W12-11	42.97879	-78.77198	0.17±	POW	Golf Course Pond

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SECTION I: INTRODUCTION

The Town of Amherst has proposed the development of a 170± acre parcel on the north side of Sheridan Drive and South Side of Maple Road in the Town of Amherst, County of Erie, and State of New York. The project has been given the name Amherst Central Park - 772 North ForestRoad and is located on USGS 7.5-minute quadrangle map indexed as Buffalo NE (Figure 1). The field work was completed on June 5 & 6, 2023 using a handheld Trimble TDC650 GPS to locate wetland and drainage boundaries.

The Town of Amherst 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 Amherst Central Park - 772 North Forest Road project site.

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SECTION II: SITE DESCRIPTION

The Amherst Central Park - 772 North Forest Road project area is comprised of a 170± acre irregular shaped investigation area on the north side of Sheridan Drive, the south side of Maple Road, and on the west side of North Forest Road which is outlined on Figure 1 and depicted on the Wetland Delineation Map included in Appendix A (Figure 6). The site was formerly the Westwood Country Club, an 18-hole golf course facility with a large clubhouse and several outbuildings. The facility closed in 2014.

The natural topography of the Amherst Central Park - 772 North Forest Road site is flat to gently sloping. The upland within the investigation area consisted of successional northern hardwoods, successional shrubland, mown lawn, and old field communities. The wetland areas were found to consist of shallow emergent marsh, hardwood swamp, golf course ponds, and scrub-shrub swamp communities. The vegetative communities of the investigation area are described according to *Ecological Communities of New York State* (Edinger et al. 2014).

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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 Amherst Central Park - 772 North Forest Road project site on the Buffalo NE quadrangle map. The figure depicts the flat to gently sloping topography of the site. Several ponds are shown on the map and Ellicott Creek flows north through the eastern portion 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) wetland types, PUBHx, and R2UBH within the investigation area. The wetlands can be decoded as:

[P] Palustrine, [UB] Unconsolidated bottom, [H] Permanently flooded, [x] Excavated

[R] Riverine, [2] Lower perennial, [UB] Unconsolidated bottom, [H] Permanently 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 Rating
CrA	Claverack loamy fine sand, 0 to 3% slopes	5
Cv	Cosad loamy fine sand	10
La	Lakemont silt loam, 0 to 3% slopes	95
Od	Odessa silt loam, 0 to 3% slopes	5
SaA	Schoharie silt loam, 0 to 3% slopes	0

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SaB	Schoharie silt loam, 3 to 8% slopes	0
Te	Teel silt loam	5
Ut	Urban land-Odessa complex, 0 to 3% slopes	5
W	Water	0

Claverack Series: The Claverack series consists of very deep, moderately well drained soils formed in sandy deposits that overlie clayey lacustrine sediments. They are nearly level to sloping soils in shallow deltas on lake plains. Slope ranges from 0 to 15 percent. Mean annual temperature is 48 degrees F. and mean annual precipitation is 40 inches.

Cosad Series: The Cosad series consists of very deep, somewhat poorly drained soils formed in sandy deposits that overlie clayey lacustrine sediments. They are nearly level soils on lake plains. Slope ranges from 0 to 8 percent. Mean annual temperature is 48 degrees F. and mean annual precipitation is 40 inches.

Lakemont Series: The Lakemont series consists of deep, poorly drained and very poorly drained soils of lake plains. They are nearly level soils formed in very slowly permeable reddish colored clayey lacustrine sediments. Slope ranges from 0 to 3 percent. Permeability is moderately slow in the surface and very slow in the subsoil sand substratum. Mean annual temperature is about 48 degrees F. and mean annual precipitation is about 34 inches.

Odessa Series: The Odessa series consists of very deep, somewhat poorly drained soils formed in red, clayey lacustrine deposits. These soils are in moderately low areas on lake plains and valley terraces. Slope ranges from 0 to 20 percent. Mean annual temperature is 8 degrees C (46 degrees F), and mean annual precipitation is 995 mm (39 in).

Schoharie Series: The Schoharie series consists of very deep, moderately well drained soils formed in clayey lacustrine sediments. They are on glacial lake plains and uplands mantled with lake sediments. Saturated hydraulic conductivity is moderately high or high in the mineral surface and subsurface and low through moderately high in the subsoil and substratum. Slope ranges from 0 through 60 percent. Mean annual temperature is 48 degrees F, and mean annual precipitation is 39 inches.

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Teel Series: The Teel series consists of very deep, moderately well drained soils on floodplains. They formed in nearly level, silty alluvial deposits. Permeability is moderate throughout the solum. Slope ranges from 0 to 3 percent. Mean annual temperature is 49 degrees F, and mean annual precipitation is 37 inches.

Urban land Series: Refers to soils in areas of high population density in the largely built environment. These soils can be significantly changed human-transported materials, human-altered materials, or minimally altered or intact "native" soils. Soils in urban areas exhibit a wide variety of conditions and properties and may have impervious surfaces, such as buildings and pavement.

The U.S. Department of Agriculture's National Technical Committee for Hydric Soils Criteria has developed a list of soils that often display hydric soil characteristics. Hydric soil typically forms in places of the landscape where surface water periodically collects for some time and/or where groundwater discharges sufficient to create waterlogged or anaerobic soils. Such anaerobic soils can support the growth and survival of hydrophytic vegetation that is tolerant of such conditions. The Hydric Rating indicates the proportion of map units that meets the criteria for hydric soils. Soil units are designated as "hydric," "predominantly hydric," "partially hydric," "predominantly nonhydric," or "nonhydric" depending on the hydric rating of its respective components. "Hydric" means that all components listed for a given map unit are rated as being hydric. "Predominantly hydric" means components that comprise 66 to 99 percent of the map unit are rated as hydric. "Partially hydric" means components that comprise 33 to 66 percent of the map unit are rated as hydric. "Predominantly nonhydric" means components that comprise up to 33 percent of the map unit are rated as hydric. "Nonhydric" means that none of the components are rated as hydric. Wetland hydrologic conditions, hydric soils, and hydrophytic vegetation are the three criteria of a wetland.

4. NYSDEC Freshwater Wetlands Map

The NYSDEC Freshwater Wetlands map obtained from the online NYSDEC Environmental Resource Mapper displays no state jurisdictional Freshwater Wetlands within or adjacent to the investigation area. However, the mapper does display a class B stream (Ellicott Creek) along the eastern limits of the investigation area.

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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 hydric inclusions depicted within the project area as shown on the NRCS map (Figure 3). The preliminary data review indicated that NYSDEC has jurisdiction over a Ellicott Creek as depicted on the NYSDEC Resource Mapper (Figure 4). Therefore, it was considered necessary to perform a field investigation at the site in order to determine the presence of federal and state protected wetlands. The methods specified in the Corps of Engineers Wetlands Delineation Manual (January 1987) and Northcentral and Northeast Regional Supplement Version 2.0 (January 2012) were employed during the field investigation. Procedures, results, and conclusions of the wetland delineation study are presented in the remainder of this report.

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SECTION IV: FIELD INVESTIGATION PROCEDURES

WETLANDS:

Step 1

EDI applied methodology specified by the 1987 Corps of Engineers Wetlands Delineation Manual and Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Northcentral and Northeast Region to perform a delineation of Federal jurisdictional wetlands within the site. EDI used the Level 2 Routine Determination method (on-site inspection necessary) since insufficient information was available for making a determination for the entire project area. This methodology is consistent with Part IV, Section D of the Corps Manual.

Step 2

EDI's initial evaluation of the project area revealed that no atypical situations existed. If an atypical situation had existed, EDI would have used methodology outlined in Part IV, Section F of the Corps manual and/or Section 5 of the Northcentral and Northeast Supplement.

Step 3

EDI made the determination that normal environmental conditions were present, as the area was not lacking hydrophytic vegetation or hydrologic indicators due to annual, seasonal or long-term fluctuations in precipitation, surface water, or groundwater levels. The Northcentral and Northeast Supplement defines the growing season as beginning when one of the following indicators of biological activity are evident in a given year: (1) above-ground growth and development of vascular plants and/or (2) soil temperature measured at 12" below ground surface reaches 41ºF. The end of the growing season is defined as the point at which deciduous species lose their leaves or the last herbaceous plants cease flowering and their leaves become dry or brown, whichever comes latest.

Step 4

In order to accurately identify the limits of various vegetative communities and extent of wetlands on-site, a routine determination method was used. As depicted in Appendix A and included in Appendix B, forty-six (46) data points were used to characterize the site.

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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.

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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.

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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 W1-20, W2-1 through W2-22, W3-1 through W3-15, W4-1 through W4-16, W5-1 through W5-37, W6-1 through W6-14, W7-1 through W7-4, W8-1 through W8-8, W9-1 through W9-25, W10-1 through W10-55, W11-1 through W11-30, and W12-1 through W12-11.

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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 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.

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SECTION V: RESULTS AND CONCLUSIONS

Earth Dimensions, Inc. (EDI) has completed a wetland delineation study at the Amherst Central Park - 772 North Forest 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 twelve (12) wetlands totaling 10.26± acres present within the Amherst Central Park - 772 North Forest Road site. In addition, a 1723 linear foot portion of Ellicott Creek, a Class B stream, along with two other UNT's, were identified. Four golf course ponds were identified within the investigation area, which were identified as W2, W4, W6, and W12.

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, successional shrubland, mown lawn, and successional old field communities. The wetland areas were found to consist of shallow emergent marsh, hardwood swamp, golf course ponds, and scrub-shrub swamp communities. 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: white oak (*Quercus alba*), white ash (*Fraxinus americana*), common buckthorn (*Rhamnus cathartica*), and poison ivy (*Toxicodendron radicans*).

The successional old field community was dominated by the following species: Kentucky bluegrass (*Poa pratensis*), black locust (*Robinia pseudoacacia*), pin oak (*Quercus palustris*), orchard grass (*Dactylis glomerata*), crack willow (*Salix fragilis*), common buckthorn (*Rhamnus cathartica*), eastern cottonwood (*Populus deltoides*), red maple (*Acer rubrum*), white ash (*Fraxinus americana*), silver maple (*Acer saccharinum*), sugar maple (*Acer saccharum*), red pine (*Pinus resinosa*), perennial rye (*Lolium perenne*), white spruce *(Picea glauca*), white oak (*Quercus alb*a), American sycamore (*Platanus occidentalis*), teasel (*Dipsacus fullonum*), and American arborvitae (*Thuja occidentalis*).

The successional shrubland community was dominated by the following species: common buckthorn (*Rhmanus cathartica*), stinging nettle (*Urtica dioica*), summer grape (*Vitis aestivalis*), crack willow

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(*Salix fragilis*), white ash (*Fraxinus americana*), lesser celandine (*Ranunculus ficaria*), and Virginia creeper (*Parthenocissus quinquefolia*).

The mown lawn community was dominated by the following species: Kentucky bluegrass (*Poa pratensis*).

Wetland W1 is a 0.74± acre scrub-shrub swamp dominated by green ash (*Fraxinus pennsylvanica*), common buckthorn (*Rhamnus cathartica*), fox sedge (*Carex vulpinoidea*), and panicled bulrush (*Scirpus microcarpus*). Soils within wetland W1 are mapped as Schoharie silt loam and had a topsoil color of 7.5YR4/1 with 15% 7.5YR5/8 mottles and a subsoil color of 7.5YR5/4 with 10% 7.5YR5/6 and 7.5YR5/1 mottles. The texture is silty clay and silty clay loam. This soil fits the NRCS F3 indicator (Depleted Matrix). Hydrology indicators present in Wetland W1 included Water-Stained Leaves (B9).

Wetland W2 is a 0.60± acre golf course pond dominated by black willow (*Salix nigra*), and hybrid cattail (*Typha x glauca*). Soils within wetland W2 are mapped as Odessa silt loam and had a topsoil color of 10YR3/1 with 5% 10YR5/8 mottles and a subsoil color of 10YR5/4 with 7% 10YR5/8 mottles. The texture is silt loam and silty clay loam. This soil fits the NRCS F3 indicator (Depleted Matrix) and F6 indicator (Redox Dark Surface). Hydrology indicators present in Wetland W2 included surface water (A1), high water table (A2), saturation (A3), Water Marks (B1), Inundation Visible on Aerial Imagery (B7), and Water-Stained Leaves (B9).

Wetland W3 is a 0.34± acre scrub-shrub swamp dominated by silver maple (*Acer saccharinum*), white willow (*Salix alba*), pin oak (*Quercus palustris*), blunt broom sedge (*Carex tribuloides*), and reed canarygrass (*Phalaris arundinacea*). Soils within wetland W3 are mapped as Schoharie silt loam and had a topsoil color of 10YR5/2 with 20% 10YR5/8 mottles and a subsoil color of 7.5YR5/4 with 10% 10YR5/6 and 7.5YR5/1 mottles. The texture is silty clay and silt loam. This soil fits the NRCS F3 indicator (Depleted Matrix). Hydrology indicators present in Wetland W3 included Water Marks (B1) and Water-Stained Leaves (B9).

Wetland W4 is a 1.09 ± acre golf course pond dominated by pussy willow (*Salix discolor*), hybrid cattail (*Typha x glauca*), and reed canarygrass (*Phalaris arundinacea*). Soils within wetland W4 are mapped as Odessa silt loam and had a subsoil color of 7.5YR6/1 with 10% 7.5YR5/6 mottles and

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no topsoil was present. The texture is silty clay and silty clay loam. This soil fits the NRCS F3 indicator (Depleted Matrix). Hydrology indicators present in Wetland W4 included surface water (A1), high water table (A2), saturation (A3), Water Marks (B1), Algal Mat or Crust (B4), Inundation Visible on Aerial Imagery (B7), and Water-Stained Leaves (B9).

Wetland W5 is a 2.63± acre hardwood swamp dominated by swamp white oak (*Quercus bicolor*), pin oak (*Quercus palustris*), silver maple (*Acer saccharinum*), green ash (*Fraxinus pennsylvanica*), fowl mannagrass (*Glyceria striata*), kentucky bluegrass (*Poa pratensis*), and poison ivy (*Toxicodendron radicans*). Soils within wetland W5 are mapped as Schoharie silt loam and had a topsoil color ranging from 7.5YR3/1-10YR3/1 with 2-3% 7.5YR5/8-10YR5/8 mottles and a subsoil color ranging from 7.5YR6/1-10YR6/1 with 3-5% 7.5YR5/8-10YR5/8 mottles. The texture is fine sandy loam, silty clay loam, and silt loam. This soil fits the NRCS F3 indicator (Depleted Matrix) and F6 indicator (Redox Dark Surface). Hydrology indicators present in Wetland W5 included Water-Stained Leaves (B9).

Wetland W6 is a 0.94± acre golf course pond dominated by soft stem bulrush (*Schoenoplectus tabernaemontani)*, and creeping bentgrass (*Agrostis stolonifera*). Soils within wetland W6 are mapped as Schoharie silt loam and had a topsoil color of 7.5YR5/1 with 7% 7.5YR5/6 mottles and a subsoil color of 7.5YR5/4 with 15% 7.5YR5/6 mottles. The texture is silty clay. This soil fits the NRCS F3 indicator (Depleted Matrix). Hydrology indcators present in Wetland W6 included surface water (A1), high water table (A2), saturation (A3), Water Marks (B1), Inundation Visible on Aerial Imagery (B7), and Water-Stained Leaves (B9).

Wetland W7 is a 0.02± acre scrub-shrub swamp dominated by swamp white oak (*Quercus bicolor*), common buckthorn (*Rhamnus cathartica*), pin oak (*Quercus palustris*), and fowl mannagrass (*Glyceria striata*). Soils within wetland W7 are mapped as Odessa silt loam and had a topsoil color of 7.5YR3/1 with 15% 7.5YR5/8 mottles and a subsoil color of 7.5YR5/4 with 10% 7.5YR5/6 mottles. The texture is silty clay and silty clay loam. This soil fits the NRCS F6 indicator (Redox Dark Surface). Hydrology indicators present in Wetland W7 included Water-Stained Leaves (B9).

Wetland W8 is a 0.22± acre scrub-shrub swamp dominated by pin oak (*Quercus palustris*), red maple (*Acer rubrum*), green ash (*Fraxinus pennsylvanica*), troublesome sedge (*Carex molesta*), and tall goldenrod (*Solidago gigantea*). Soils within wetland W8 are mapped as Schoharie silt loam and

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had a topsoil color of 10YR4/2 with 15% 10YR5/8 mottles and a subsoil color of 7.5YR5/4 with 20% 7.5YR5/6 mottles. The texture is silty clay and silt loam. This soil fits the NRCS F3 indicator (Depleted Matrix). Hydrology indicators present in Wetland W8 included Water-Stained Leaves (B9).

Wetland W9 is a 0.93± acre scrub-shrub swamp dominated by eastern cottonwood (*Populus deltoides*), common buckthorn (*Rhamnus cathartica*), eastern woodland sedge (*Carex blanda*), and summer grape (*Vitis aestivalis*). Soils within wetland W9 are mapped as Cosad loamy fine sand and had a topsoil color of 10YR4/1 with 10% 10YR5/8 mottles and a subsoil color of 10YR5/2 with 15% 10YR5/8 mottles. The texture is silt loam. This soil fits the NRCS F3 indicator (Depleted Matrix). Hydrology indicators present in Wetland W9 included Water-Stained Leaves (B9).

Wetland W10 is a 2.25± acre portion of Ellicott Creek and an overflow channel to the creek dominated by black willow (*Salix nigra*), common buckthorn (*Rhamnus cathartica*), pussy willow (*Salix discolor*), common arrowhead (*Sagittaria latifolia*), and creeping jenny (*Lysimachia nummularia*). Soils within wetland W10 are mapped as water and had a topsoil color of 10YR2/1 with 2% 10YR5/8 mottles and no subsoil. The texture is mucky loam. This soil fits the NRCS F6 indicator (Redox Dark Surface). Hydrology indicators present in Wetland W10 included saturation (A3), Inundation Visible on Aerial Imagery (B7), and Water-Stained Leaves (B9).

Wetland W11 is a 0.33± acre shallow emergent marsh/perennial stream dominated by hybrid cattail (*Typha x glauca).* Soils within wetland W11 are mapped as Odessa silt loam and had a topsoil color of 7.5YR3/1 with 7% 7.5YR5/8 mottles and a subsoil color of 7.5YR5/4 with 5% 7.5YR5/6 mottles. The texture is silty clay and silty clay loam. This soil fits the NRCS F3 indicator (Depleted Matrix) and F6 indicator (Redox Dark Surface). Hydrology indicators present in Wetland W11 included Water Marks (B1) and Water-Stained Leaves (B9).

Wetland W12 is a 0.17± acre golf course pond dominated by American bur-reed (*Sparganium americanum*), and soft stem rush (*Schoenoplectus tabernaemontani*). Soils within wetland W12 are mapped as Claverack loamy fine sand and had a topsoil color of 10YR2/1 with no mottles and a subsoil color of 10YR6/1 with 3% 10YR5/8 mottles. The texture is muck and silty clay loam. This soil fits the NRCS F3 indicator (Depleted Matrix). Hydrology indicators present in Wetland W12 included surface water (A1), high water table (A2), saturation (A3), Inundation Visible on Aerial Imagery (B7) and Water-Stained Leaves (B9).

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Stream 1 is identified as Ellicott Creek and flows northerly through the eastern limits of the site. This perennial channel is identified as a Class B stream by NYSDEC standards. The substrate consists of gravel and cobble, with moderately vegetated banks. Within the project area, Stream 1 is approximately 50-75 feet wide (100 feet at OHWM) with an average water depth of 2-4 feet. EDI utilizes office and field observations to determine stream classifications. Stream 1 was identified as a perennial channel due to it being represented as a solid blue line on the USGS Topography Map (Figure 1), a defined bed and bank, and a lack of vegetation within the stream.

Stream 2 is identified as UNT to Ellicott Creek and had no flow at the time of the site investigation. This ephemeral channel is not identified by NYSDEC standards. The substrate consists of silt and organics, with heavily vegetated banks. Within the project area, Stream 2 is approximately 2 feet wide (3 feet at OHWM). EDI utilizes office and field observations to determine stream classifications. Stream 2 was identified as an intermittent channel due to it not being represented as on the USGS Topography Map (Figure 1), having no defined bed and bank, and heavy vegetation within the stream.

Stream 3 is identified as UNT to Ellicott Creek and had no flow during the time of the site investigation. This intermittent channel is not identified by NYSDEC standards. The substrate consists of silt and organics, with heavily vegetated banks. Within the project area, Stream 3 is approximately 6-8 feet wide (8 feet at OHWM). EDI utilizes office and field observations to determine stream classifications. Stream 3 was identified as an intermittent channel due to it not being represented as on the USGS Topography Map (Figure 1).

Pond 1 was identified as an old golf course pond. The substrate consisted of organic, and silt and the pond was heavily vegetated along the banks. Pond 1 is identified as PUBHx by NWI standards. Pond 1 is approximately 0.60± acres and has an average depth of 4-8 feet.

Pond 2 was identified as an old golf course pond. The substrate consisted of organic, and silt and the pond is heavily vegetated along the banks. Pond 2 is identified as PUBHx by NWI standards. Pond 2 is approximately 1.90± acres and has an average depth of 4-8 feet.

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Pond 3 was identified as an old golf course pond. The substrate consisted of organic, and silt and the pond is heavily vegetated along the banks. Pond 3 is identified as PUBHx by NWI standards. Pond 3 is approximately 0.94± acres and has an average depth of 4-8 feet.

Pond 4 was identified as an old golf course pond. The substrate consisted of organic, and silt and the pond is heavily vegetated along the banks. Pond 4 is not identified by NWI standards. Pond 1 is approximately 0.17± acres and has an average depth of 4-8 feet.

A map which depicts the site boundaries and the location of all observation points established during the field survey is included as Figure 6 in Appendix A of this report. Data forms are included as Appendix B. Appendix C includes representative photographs of the project area. Appendix D notes the references used during the preparation of this report and during the field investigation. Appendix E provides the names, addresses and phone numbers of the survey personnel involved in the wetland delineation study.

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SECTION VI: RECOMMENDATIONS

Twelve (12) wetland areas, including four ponds, and three (3) streams were identified during the course of a field investigation based upon the three-parameter technique (vegetation, soils, and hydrology) outlined in the Corps Manual and Northcentral and Northeast Regional Supplement. On May 25, 2023, the U.S. Supreme Court ruled in the Sackett v EPA case. As of the completion of this report, the USACE Buffalo District is awaiting guidance from EPA and USACE Headquarters on the implementation of this ruling relative to determining the jurisdictional status of various features. It is EDI's professional opinion that Stream 1 (Ellicott Creek) is regulated by the USACE under Section 404 of the Clean Water Act, and Article 15 of New York Conservation Law. USACE and NYSDEC approach their regulatory analyses by first considering avoidance of wetlands and minimization of wetland losses. EDI recommends the following:

(1) Submit this report to USACE and NYSDEC with a request for a wetland boundary confirmation and jurisdictional determination.

(2) If no impacts are proposed to federally regulated wetlands, or Ellicott Creek based on the outcome of the jurisdictional determination, it is the professional opinion of EDI that the project may proceed without the need for a Section 404, or Article 15 Permit.

(3) If any federally jurisdictional wetland impacts or impacts to the bed or banks of Ellicott Creek are proposed, it is EDI's recommendation that a Joint Application for Permit and supporting documentation be submitted to the USACE and NYSDEC with a request for a Section 404 Permit, Section 401 Water Quality Certification and/or Article 15 Permit.

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AMHERST CENTRAL PARK - 772 NORTH FOREST ROAD

APPENDIX A - FIGURES

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

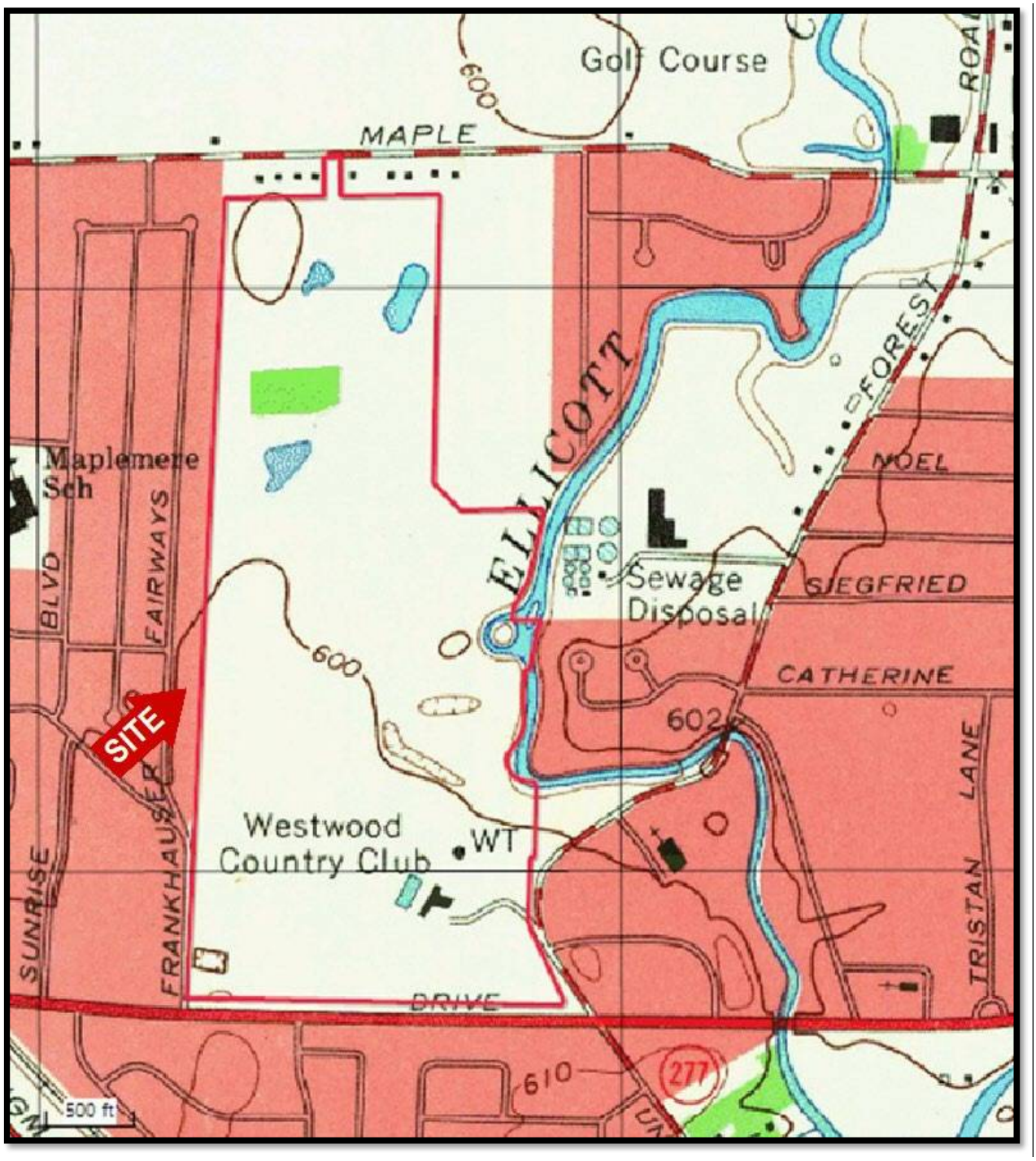

FIGURE 1: USGS 7.5 MINUTE TOPOGRAPHICAL MAP

Buffalo NE Quadrangle / U.S. Geological Survey

Amherst Central Park - 772 North Forest Road

Town of Amherst, Erie County, New York

EARTH DIMENSIONS, INC.
Soils Investigations • Wetland Delineations

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FIGURE 2: NATIONAL WETLANDS INVENTORY MAP

http://www.fws.gov/wetlands/data/mapper.HTML (Visited 5/23/23)

Amherst Central Park - 772 North Forest Road

Town of Amherst, Erie County, New York

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)



FIGURE 3: NRCS SOIL SURVEY MAP

http://websoilsurvey.sc.egov.usda.gov/App/WebSoilSurvey.aspx (Visited 5/23/23)

Amherst Central Park - 772 North Forest Road

Town of Amherst, Erie County, New York

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Hydric Rating by Map Unit—Erie County, New York
(Parcel)

MAP LEGEND

Area of Interest (AOI)
- Area of Interest (AOI)

Soils

Soil Rating Polygons
- Hydric (100%)
- Hydric (66 to 99%)
- Hydric (33 to 65%)
- Hydric (1 to 32%)
- Not Hydric (0%)
- Not rated or not available

Soil Rating Lines
- Hydric (100%)
- Hydric (66 to 99%)
- Hydric (33 to 65%)
- Hydric (1 to 32%)
- Not Hydric (0%)
- Not rated or not available

Soil Rating Points
- Hydric (100%)
- Hydric (66 to 99%)
- Hydric (33 to 65%)
- Hydric (1 to 32%)
- Not Hydric (0%)
- 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.

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 22, Sep 10, 2022

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.

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Hydric Rating by Map Unit

Map unit symbol	Map unit name	Rating	Acres in AOI	Percent of AOI
CrA	Claverack loamy fine sand, 0 to 3 percent slopes	5	30.2	17.8%
Cv	Cosad loamy fine sand	10	25.9	15.2%
La	Lakemont silt loam, 0 to 3 percent slopes	95	4.0	2.4%
Od	Odessa silt loam, 0 to 3 percent slopes	5	64.4	37.9%
SaA	Schoharie silt loam, 0 to 3 percent slopes	0	2.3	1.4%
SaB	Schoharie silt loam, 3 to 8 percent slopes	0	23.5	13.8%
Te	Teel silt loam	5	10.3	6.1%
Ut	Urban land-Odessa complex, 0 to 3 percent slopes	5	7.5	4.4%
W	Water	0	1.9	1.1%
Totals for Area of Interest			**170.1**	**100.0%**

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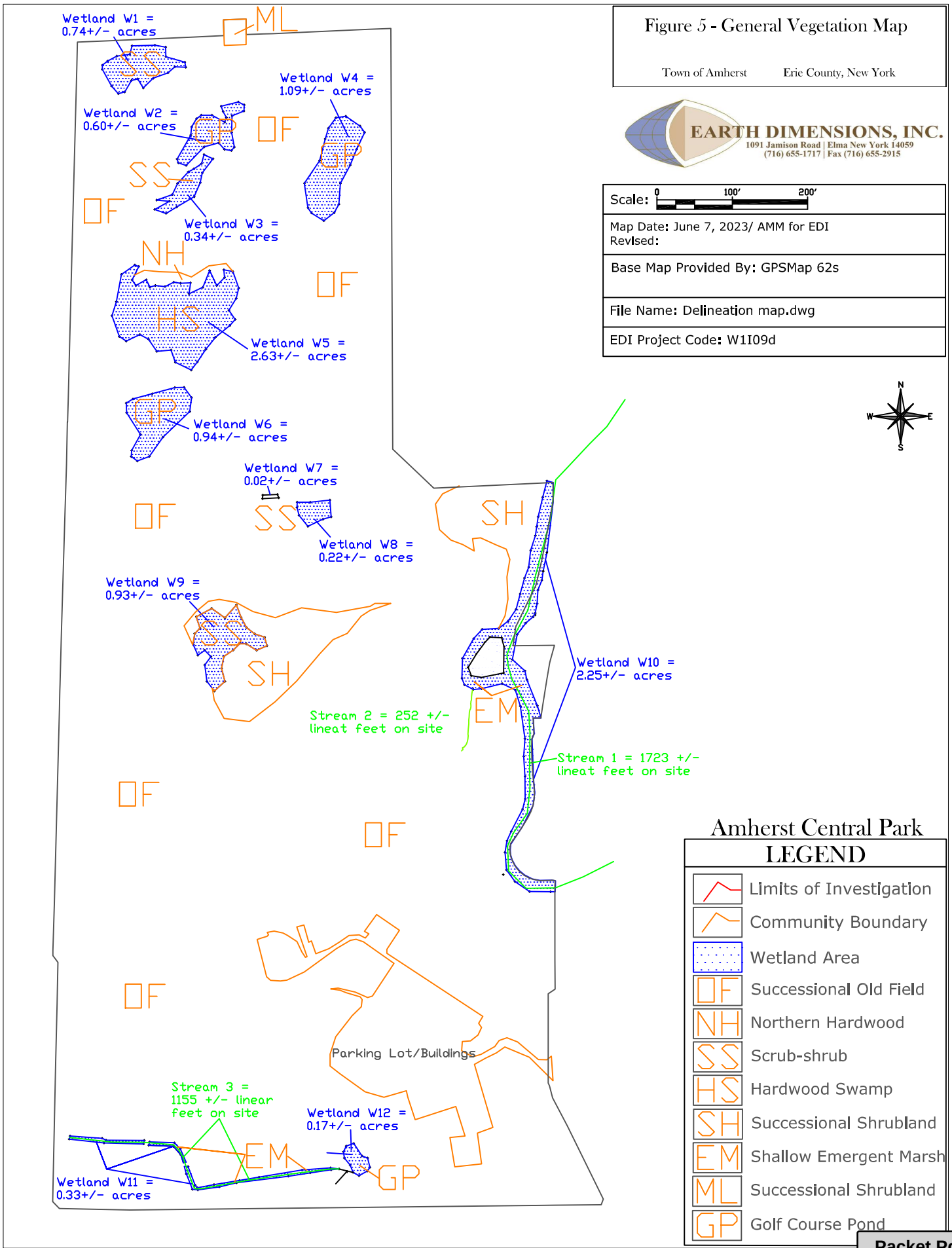
FIGURE 4: NYSDEC ENVIRONMENTAL RESOURCE MAPPER

https://gisservices.dec.ny.gov/gis/erm/ (Visited 5/23/23)

Amherst Central Park – 772 North Forest Road

Town of Lancaster, Erie County, New York

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

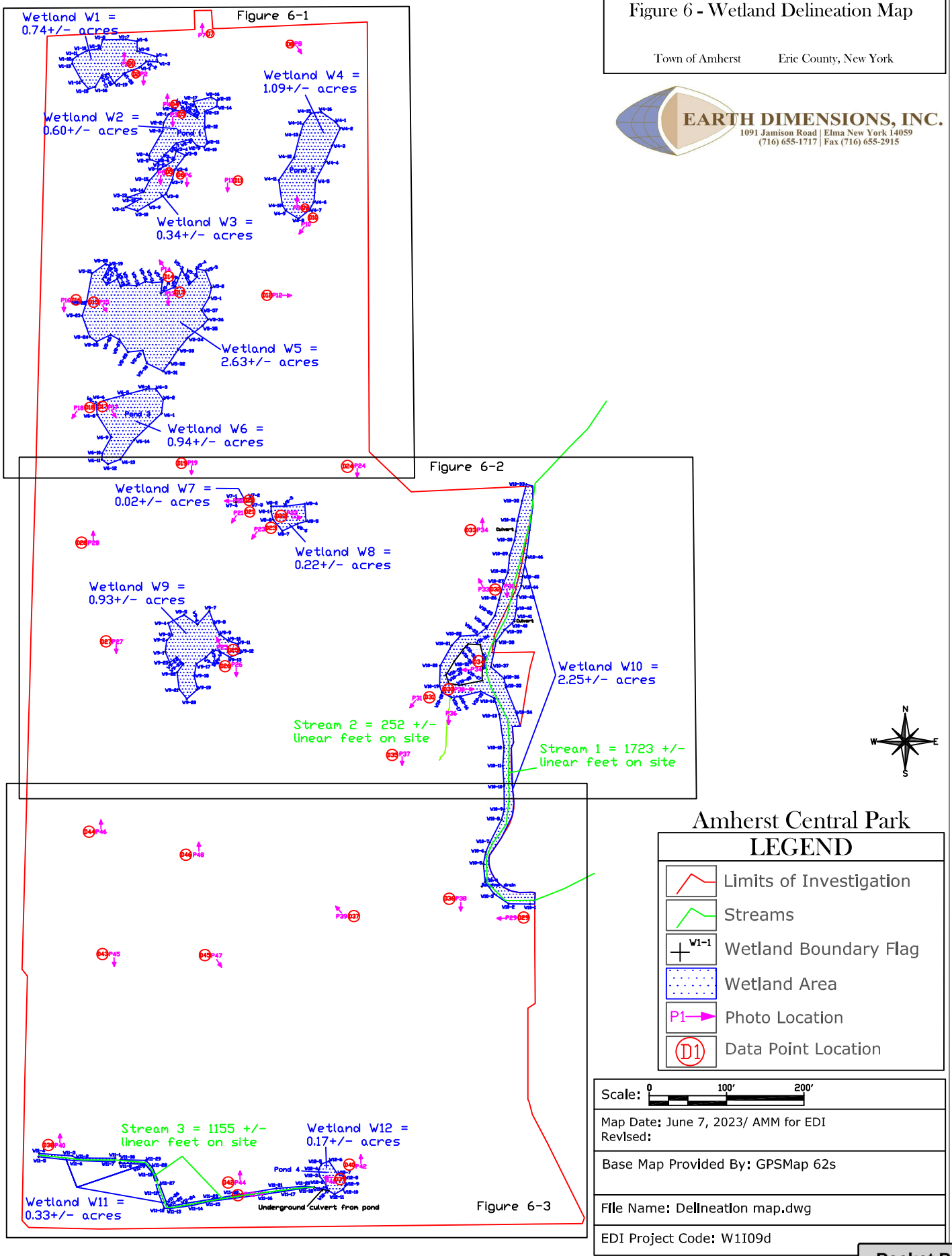


Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Figure 6 - Wetland Delineation Map

Town of Amherst Erie County, New York

EARTH DIMENSIONS, INC.
1091 Jamison Road | Elma New York 14059
(716) 655-1717 | Fax (716) 655-2915



Amherst Central Park

LEGEND

- Limits of Investigation
- Streams
- W1-1 Wetland Boundary Flag
- Wetland Area
- P1 Photo Location
- D1 Data Point Location

Scale: 0 100' 200'

Map Date: June 7, 2023/ AMM for EDI
Revised:

Base Map Provided By: GPSMap 62s

File Name: Delineation map.dwg

EDI Project Code: W1I09d

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

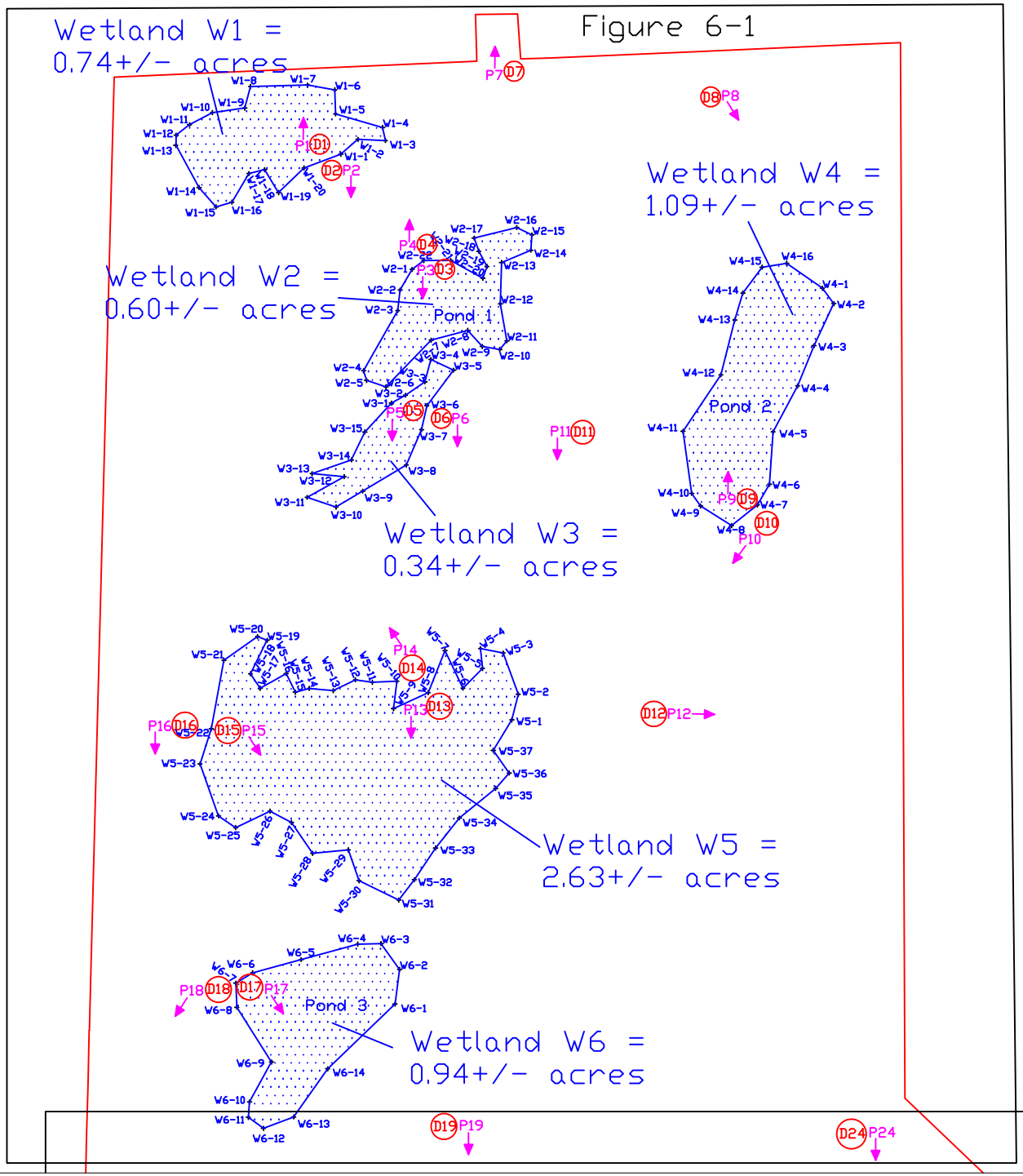


Figure 6-1
Wetland W1 =
0.74+/- acres
Wetland W2 =
0.60+/- acres
Pond 1
Wetland W3 =
0.34+/- acres
Wetland W4 =
1.09+/- acres
Pond 2
Wetland W5 =
2.63+/- acres
Pond 3
Wetland W6 =
0.94+/- acres

Figure 6-2

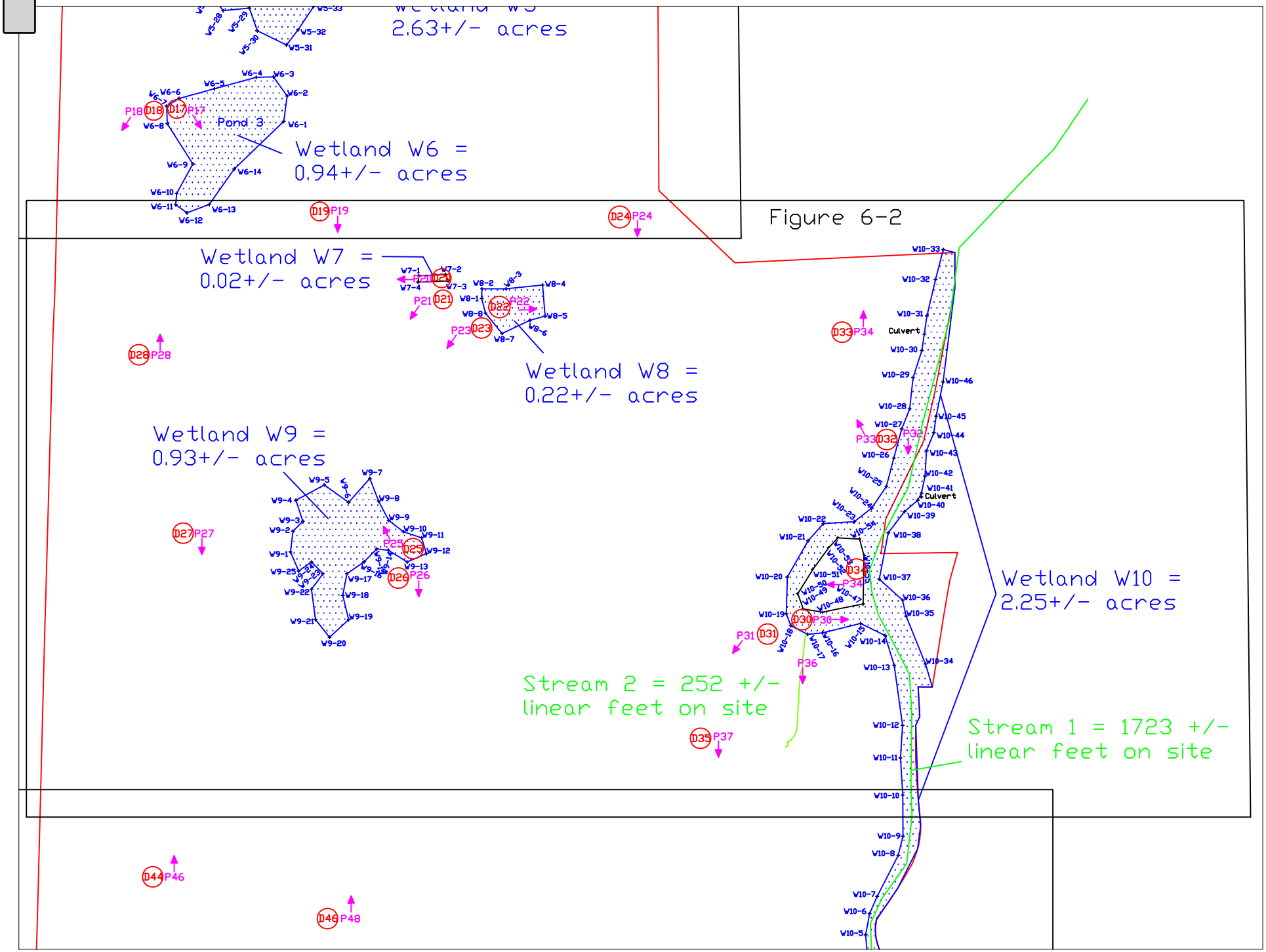

2.63+/- acres
Pond 3
Wetland W6 =
0.94+/- acres
Figure 6-2
Wetland W7 =
0.02+/- acres
Wetland W8 =
0.22+/- acres
Wetland W9 =
0.93+/- acres
Culvert
Culvert
Wetland W10 =
2.25+/- acres
Stream 2 = 252 +/-
linear feet on site
Stream 1 = 1723 +/-
linear feet on site

Figure 6-3

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

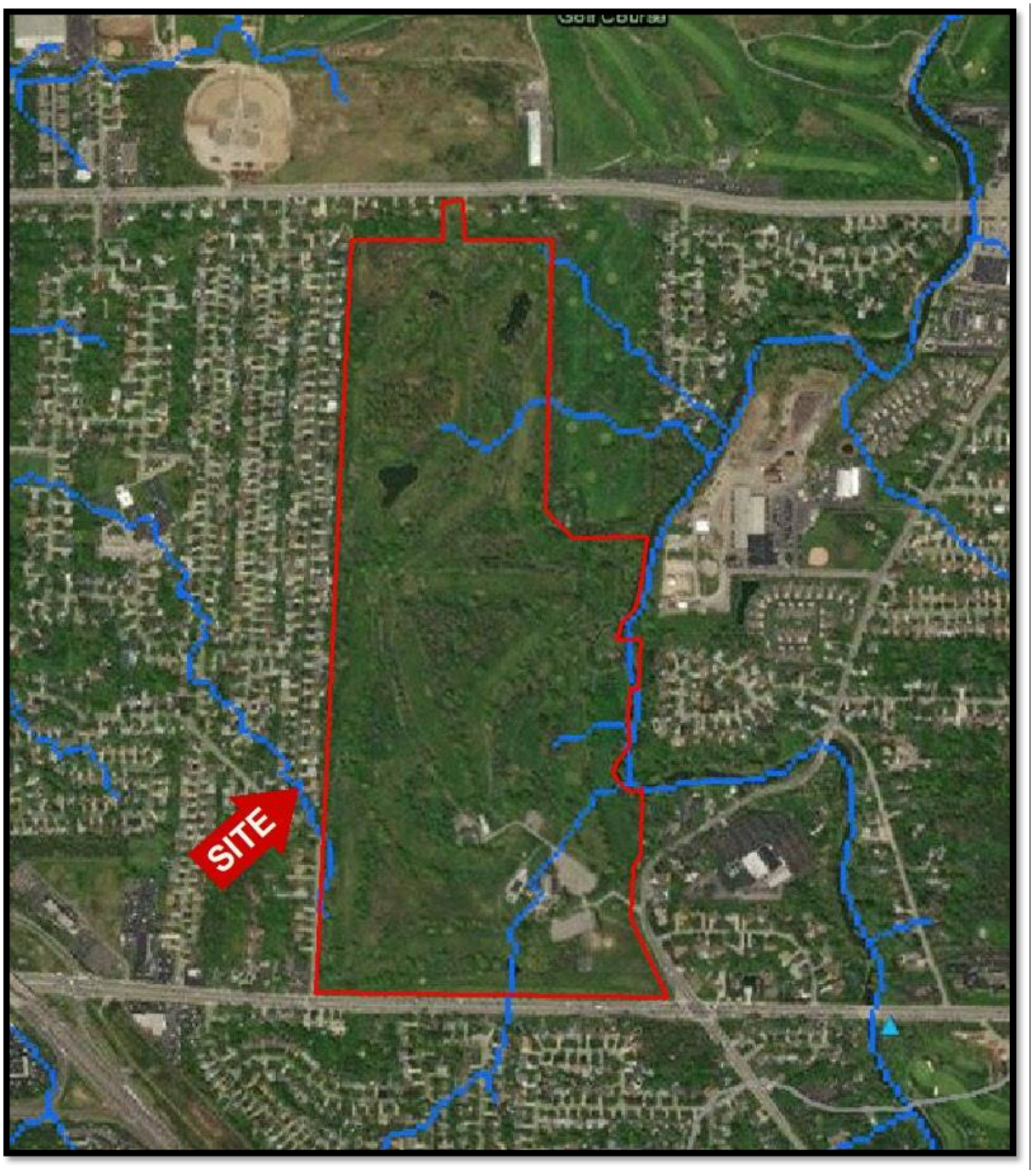


FIGURE 7: DRAINAGE MAP

https://streamstats.usgs.gov/ss/ (Visited 5/23/23)

Amherst Central Park - 772 North Forest Road

Town of Amherst, Erie County, New York

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)



FIGURE 8: SITE AERIAL PHOTOGRAPH

https://gis.erie.gov/Html5Viewer133/index.html?viewer=ErieCountyNY.HTML5_2_11_0

Amherst Central Park - 772 North Forest Road

Town of Amherst, Erie County, New York

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)



Figure 9: Aerial Photo With Wetlands
GoogleEarth.com (Visited 5/24/23)
Amherst Central Park
Town of Amherst, Erie County, New York

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)



Figure 10: Soils Map With Wetlands
GoogleEarth.com (Visited 5/24/23)
Amherst Central Park
Town of Amherst, Erie County, New York

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)



FIGURE 11: FEMA MAP

https://www.fema.gov/flood-maps (Visited 5/23/23)

Amherst Central Park - 772 North Forest Road

Town of Amherst, Erie County, New York

EARTH DIMENSIONS, INC.
Soils Investigations • Wetland Delineations

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

AMHERST CENTRAL PARK - 772 NORTH FOREST ROAD

APPENDIX B – DATA SHEETS

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1I09d

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: Amherst Central Park Town/County: Amherst/Erie County Sampling Date: 6.5.2023

Applicant/Owner: Town of Amherst State: New York Sampling Point: D1

Investigator(s): Scott Livingstone & Alex Molik Section, Township, Range: 68.01-1-1.2

Landform (hillslope, terrace, etc.): DEPRESSION Local relief (concave, convex, none): CONCAVE Slope (%): <1

Subregion (LRR or MLRA) LRRL Lat: 42.990139 °N Long: -78.77443 °W Datum: NAD83

Soil Map Unit Name: SCHOHARIE SILT LOAM, 0-3% Slopes NWI classification: PSS

Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No ____ (If no, explain in Remarks.)

Are Vegetation ____, Soil ____, or Hydrology ____ significantly disturbed? Are "Normal Circumstances" present? Yes X No ____

Are Vegetation ____, Soil ____, or Hydrology ____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS : Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes X No ____	**Is the Sampled Area within a Wetland?**	Yes X No ____
Hydric Soil Present?	Yes X No ____		
Wetland Hydrology Present?	Yes X No ____	If yes, optional Wetland Site ID:	W1

Remarks: (Explain alternative procedures here or in a separate report.)

• W1-1 → W1-20 (CLOSED)

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ___ Surface Water (A1)
- ___ High Water Table (A2)
- ___ Saturation (A3)
- ___ Water Marks (B1)
- ___ Sediment Deposits (B2)
- ___ Drift Deposits (B3)
- ___ Algal Mat or Crust (B4)
- ___ Iron Deposits (B5)
- ___ Inundation Visible on Aerial Imagery (B7)
- ___ Sparsely Vegetated Concave Surface (B8)
- X Water-Stained Leaves (B9)
- ___ Aquatic Fauna (B13)
- ___ Marl Deposits (B15)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres on Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ___ Surface Soil Cracks (B6)
- ___ Drainage Patterns (B10)
- ___ Moss Trim Lines (B16)
- ___ Dry-Season W ater Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Stunted or Stressed Plants (D1)
- ___ Geomorphic Position (D2)
- ___ Shallow Aquitard (D3)
- ___ Microtopographic Relief (D4)
- ___ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present?	Yes ____	No X	Depth (inches): N/A
Water Table Present?	Yes ____	No X	Depth (inches): N/A
Saturation Present? (includes capillary fringe)	Yes ____	No X	Depth (inches): N/A

Wetland Hydrology Present? Yes X No ____

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1I09d

VEGETATION : Use scientific names of plants.

Sampling Point: D1

Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status
1. Quercus palustris	3	N	FACW
2.			
3.			
4.			
5.			
6.			
7.			
	3	= Total Cover	

Sapling/Shrub Stratum (Plot size: 15')			
1. Rhamnus cathartica	80	Y	FAC
2. Fraxinus pennsylvanica	15	Y	FACW
3.			
4.			
5.			
6.			
7.			
	35	= Total Cover	

Herb Stratum (Plot size: 5')			
1. Scirpus microcarpus	40	Y	OBL
2. Carex vulpinoidea	20	Y	OBL
3. Carex tribuloides	10	N	FACW
4. Rhamnus Cathartica	10	N	FAC
5. Juncus effusus	10	N	OBL
6. Poa pratensis	5	N	FACU
7. Fraxinus pennsylvanica	5	N	FACW
8.			
9.			
10.			
11.			
12.			
	100	= Total Cover	

Woody Vine Stratum (Plot size: 30')			
1.			
2.			
3.			
4.			
	0	= Total Cover	

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 4 (A)

Total Number of Dominant Species Across All Strata: 4 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 100 (A/B)

Prevalence Index worksheet:

Total % Cover of:	Multiply by:
OBL species	x 1 =
FACW species	x 2 =
FAC species	x 3 =
FACU species	x 4 =
UPL species	x 5 =
Column Totals: (A)	(B)

Prevalence Index = B/A =

Hydrophytic Vegetation Indicators:

__ 1 - Rapid Test for Hydrophytic Vegetation

__ 2 - Dominance Test is >50%

__ 3 - Prevalence Index is < 3.0[1]

__ 4 - Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)

__ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Definitions of Vegetation Strata:

Tree - Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft (1 m) tall.

Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vines - All woody vines greater than 3.28 ft in height.

Community Type: Scrub-Shrub Swamp

Hydrophytic Vegetation Present? Yes ✓ No ____

Remarks: (Include photo numbers here or on a separate sheet.)

Photo # P1 **Direction of Photo** N

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1I09d

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
0-5	7.5YR4/1	85	7.5YR5/8	15	C	M	SiCl	
5-20	7.5YR3/4	80	7.5YR5/6	10	C	M	SiC	
			7.5YR5/1	10	D	M		

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Dark Surface (S7) (**LRR R, MLRA 149B**)
- ___ Polyvalue Below Surface (S8) (**LRR R, MLRA 149B**)
- ___ Thin Dark Surface (S9) (**LRR R, MLRA 149B**)
- ___ Loamy Mucky Mineral (F1) (**LRR K, L**)
- ___ Loamy Gleyed Matrix (F2)
- X Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ___ 2 cm Muck (A10) (**LRR K, L, MLRA 149B**)
- ___ Coast Prairie Redox (A16) (**LRR K, L, R**)
- ___ 5 cm Mucky Peat or Peat (S3) (**LRR K, L, R**)
- ___ Dark Surface (S7) (**LRR K, L, M**)
- ___ Polyvalue Below Surface (S8) (**LRR K, L**)
- ___ Thin Dark Surface (S9) (**LRR K, L**)
- ___ Iron-Manganese Masses (F12) (**LRR K, L, R**)
- ___ Piedmont Floodplain Soils (F19) (**MLRA 149B**)
- ___ Mesic Spodic (TA6) (**MLRA 144A, 145, 149B**)
- ___ Red Parent Material (TF2)
- ___ Very Shallow Dark Surface (TF12)
- ___ Other (Explain in Remarks)

[3] Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: NONE

Depth (inches): N/A

Hydric Soil Present? Yes X No ____

Remarks:

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1l09d

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: Amherst Central Park Town/County: Amherst/Erie County Sampling Date: 6.5.2023

Applicant/Owner: Town of Amherst State: New York Sampling Point: D2

Investigator(s): Scott Livingstone & Alex Molik Section, Township, Range: 68.01-1-1.2

Landform (hillslope, terrace, etc.): LAKE Plain Local relief (concave, convex, none): CONVEX Slope (%): 2

Subregion (LRR or MLRA) LRRL Lat: 42.99030°N Long: -78.77429°W Datum: NAD83

Soil Map Unit Name: SCHOHARIE SILT LOAM, 3-8% slopes 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 SUCCESSIONAL FIELD

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ___ Surface Water (A1)
- ___ High Water Table (A2)
- ___ Saturation (A3)
- ___ Water Marks (B1)
- ___ Sediment Deposits (B2)
- ___ Drift Deposits (B3)
- ___ Algal Mat or Crust (B4)
- ___ Iron Deposits (B5)
- ___ Inundation Visible on Aerial Imagery (B7)
- ___ Sparsely Vegetated Concave Surface (B8)
- ___ Water-Stained Leaves (B9)
- ___ Aquatic Fauna (B13)
- ___ Marl Deposits (B15)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres on Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ___ Surface Soil Cracks (B6)
- ___ Drainage Patterns (B10)
- ___ Moss Trim Lines (B16)
- ___ Dry-Season W ater Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Stunted or Stressed Plants (D1)
- ___ Geomorphic Position (D2)
- ___ Shallow Aquitard (D3)
- ___ Microtopographic Relief (D4)
- ___ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present?	Yes _____	No X	Depth (inches): N/A
Water Table Present?	Yes _____	No X	Depth (inches): N/A
Saturation Present? (includes capillary fringe)	Yes _____	No X	Depth (inches): N/A

Wetland Hydrology Present? Yes _____ No X

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1I09d

VEGETATION : Use scientific names of plants. Sampling Point: D2

Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status
1.			
2.			
3.			
4.			
5.			
6.			
7.			
	0 = Total Cover		
Sapling/Shrub Stratum (Plot size: 15')			
1. Robinia pseudoacacia	15	Y	FACU
2.			
3.			
4.			
5.			
6.			
7.			
	15 = Total Cover		
Herb Stratum (Plot size: 5')			
1. Poa pratensis	75	Y	FACU
2. Lolium perenne	15	N	FACU
3. Phalaris arundinacea	10	N	FACW
4. Dactylis glomerata	10	N	FACU
5. Taraxacum officinale	5	N	FACU
6.			
7.			
8.			
9.			
10.			
11.			
12.			
	115 = Total Cover		
Woody Vine Stratum (Plot size: 30')			
1.			
2.			
3.			
4.			
	0 = Total Cover		

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 0 (A)

Total Number of Dominant Species Across All Strata: 2 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 0 (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1 =	0
FACW species	10	x 2 =	20
FAC species	0	x 3 =	0
FACU species	120	x 4 =	480
UPL species	0	x 5 =	0
Column Totals:	130 (A)		500 (B)

Prevalence Index = B/A = 3.85

Hydrophytic Vegetation Indicators:

___ 1 - Rapid Test for Hydrophytic Vegetation

___ 2 - Dominance Test is >50%

___ 3 - Prevalence Index is < 3.0[1]

___ 4 - Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)

___ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Definitions of Vegetation Strata:

Tree - Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft (1 m) tall.

Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vines - All woody vines greater than 3.28 ft in height.

Community Type: Successional old field

Hydrophytic Vegetation Present? Yes ____ No X

Remarks: (Include photo numbers here or on a separate sheet.)

Photo # P2 **Direction of Photo** S

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1l09d

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
0-4	7.5YR5/4	100					SiCl	
4-20	7.5YR5/4	100					SiC	

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Dark Surface (S7) (**LRR R, MLRA 149B**)
- ___ Polyvalue Below Surface (S8) (**LRR R, MLRA 149B**)
- ___ Thin Dark Surface (S9) (**LRR R, MLRA 149B**)
- ___ Loamy Mucky Mineral (F1) (**LRR K, L**)
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ___ 2 cm Muck (A10) (**LRR K, L, MLRA 149B**)
- ___ Coast Prairie Redox (A16) (**LRR K, L, R**)
- ___ 5 cm Mucky Peat or Peat (S3) (**LRR K, L, R**)
- ___ Dark Surface (S7) (**LRR K, L, M**)
- ___ Polyvalue Below Surface (S8) (**LRR K, L**)
- ___ Thin Dark Surface (S9) (**LRR K, L**)
- ___ Iron-Manganese Masses (F12) (**LRR K, L, R**)
- ___ Piedmont Floodplain Soils (F19) (**MLRA 149B**)
- ___ Mesic Spodic (TA6) (**MLRA 144A, 145, 149B**)
- ___ Red Parent Material (TF2)
- ___ Very Shallow Dark Surface (TF12)
- ___ Other (Explain in Remarks)

[3] Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: NONE

Depth (inches): N/A

Hydric Soil Present? Yes _____ No X

Remarks:

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1l09d

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: Amherst Central Park Town/County: Amherst/Erie County Sampling Date: 6.5.2023

Applicant/Owner: Town of Amherst State: New York Sampling Point: D3

Investigator(s): Scott Livingstone & Alex Molik Section, Township, Range: 68.01-1-1.2

Landform (hillslope, terrace, etc.): POND Local relief (concave, convex, none): CONCAVE Slope (%): 0

Subregion (LRR or MLRA) LRRL Lat: 42.98989°N Long: -78.77383°W Datum: NAD83

Soil Map Unit Name: ODESSA SILT LOAM, 0-3% SLOPES NW I classification: PEM

Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No _____ (If no, explain in Remarks.)

Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes X No _____

Are Vegetation _____, Soil _____, or Hydrology _____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS : Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present? Yes X No _____

Hydric Soil Present? Yes X No _____

Wetland Hydrology Present? Yes X No _____

Is the Sampled Area within a Wetland? Yes X No _____

If yes, optional Wetland Site ID: W2

Remarks: (Explain alternative procedures here or in a separate report.)

- W2-1 → W2-22 (CLOSED)
- FORMER GOLF COURSE POND

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- X Surface Water (A1)
- X High Water Table (A2)
- X Saturation (A3)
- __ Water Marks (B1)
- __ Sediment Deposits (B2)
- __ Drift Deposits (B3)
- __ Algal Mat or Crust (B4)
- __ Iron Deposits (B5)
- X Inundation Visible on Aerial Imagery (B7)
- __ Sparsely Vegetated Concave Surface (B8)
- X Water-Stained Leaves (B9)
- __ Aquatic Fauna (B13)
- __ Marl Deposits (B15)
- __ Hydrogen Sulfide Odor (C1)
- __ Oxidized Rhizospheres on Living Roots (C3)
- __ Presence of Reduced Iron (C4)
- __ Recent Iron Reduction in Tilled Soils (C6)
- __ Thin Muck Surface (C7)
- __ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- __ Surface Soil Cracks (B6)
- __ Drainage Patterns (B10)
- __ Moss Trim Lines (B16)
- __ Dry-Season Water Table (C2)
- __ Crayfish Burrows (C8)
- __ Saturation Visible on Aerial Imagery (C9)
- __ Stunted or Stressed Plants (D1)
- __ Geomorphic Position (D2)
- __ Shallow Aquitard (D3)
- __ Microtopographic Relief (D4)
- __ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present? Yes X No _____ Depth (inches): 1-6+"

Water Table Present? Yes X No _____ Depth (inches): INUNDATED

Saturation Present? (includes capillary fringe) Yes X No _____ Depth (inches): INUNDATED

Wetland Hydrology Present? Yes X No _____

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1I09d

VEGETATION : Use scientific names of plants. Sampling Point: D3

Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status
1.			
2.			
3.			
4.			
5.			
6.			
7.			
	= Total Cover		

Sapling/Shrub Stratum (Plot size: 15')			
1. Salix nigra	10	Y	OBL
2.			
3.			
4.			
5.			
6.			
7.			
	10 = Total Cover		

Herb Stratum (Plot size: 5')			
1. Typha x glauca	75	Y	OBL
2. Eleocharis palustris	10	N	OBL
3. Phragmites australis	5	N	FACW
4.			
5.			
6.			
7.			
8.			
9.			
10.			
11.			
12.			
	90 = Total Cover		

Woody Vine Stratum (Plot size: 30')			
1.			
2.			
3.			
4.			
	0 = Total Cover		

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 2 (A)

Total Number of Dominant Species Across All Strata: 2 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 100 (A/B)

Prevalence Index worksheet:

Total % Cover of:	Multiply by:
OBL species	x 1 =
FACW species	x 2 =
FAC species	x 3 =
FACU species	x 4 =
UPL species	x 5 =
Column Totals: (A)	(B)

Prevalence Index = B/A =

Hydrophytic Vegetation Indicators:

- X 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: Golf Course Pond

Hydrophytic Vegetation Present? Yes X No __

Remarks: (Include photo numbers here or on a separate sheet.)

Photo # P3 **Direction of Photo** S

- Pond 1

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1I09d

SOIL

Sampling Point: D3

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-4	10YR3/1	95	10YR5/8	5	C	M	SiL	
4-20	10YR5/1	93	10YR5/8	7	C	M	SiCL	

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Dark Surface (S7) (**LRR R, MLRA 149B**)
- ___ Polyvalue Below Surface (S8) (**LRR R, MLRA 149B**)
- ___ Thin Dark Surface (S9) (**LRR R, MLRA 149B**)
- ___ Loamy Mucky Mineral (F1) (**LRR K, L**)
- ___ Loamy Gleyed Matrix (F2)
- X Depleted Matrix (F3)
- X Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ___ 2 cm Muck (A10) (**LRR K, L, MLRA 149B**)
- ___ Coast Prairie Redox (A16) (**LRR K, L, R**)
- ___ 5 cm Mucky Peat or Peat (S3) (**LRR K, L, R**)
- ___ Dark Surface (S7) (**LRR K, L, M**)
- ___ Polyvalue Below Surface (S8) (**LRR K, L**)
- ___ Thin Dark Surface (S9) (**LRR K, L**)
- ___ Iron-Manganese Masses (F12) (**LRR K, L, R**)
- ___ Piedmont Floodplain Soils (F19) (**MLRA 149B**)
- ___ Mesic Spodic (TA6) (**MLRA 144A, 145, 149B**)
- ___ Red Parent Material (TF2)
- ___ Very Shallow Dark Surface (TF12)
- ___ Other (Explain in Remarks)

[3] Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: NONE

Depth (inches): N/A

Hydric Soil Present? Yes X No ___

Remarks:

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1I09d

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: Amherst Central Park Town/County: Amherst/Erie County Sampling Date: 6-5-2023

Applicant/Owner: Town of Amherst State: New York Sampling Point: D4

Investigator(s): Scott Livingstone & Alex Molik Section, Township, Range: 68.01-1-1.2

Landform (hillslope, terrace, etc.): Depression Local relief (concave, convex, none): CONCAVE Slope (%): 2

Subregion (LRR or MLRA) LRRL Lat: 42.98991°N Long: -78.77387°W Datum: NAD83

Soil Map Unit Name: SCHOHARIE SILT LOAM, 3-8% Slopes 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 SUCCESSIONAL FIELD
- Possibly FORMER SAND TRAP IN ABANDONED COUNTRY CLUB

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: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1I09d

VEGETATION : Use scientific names of plants. Sampling Point: D4

Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status
1.			
2.			
3.			
4.			
5.			
6.			
7.			
	0 = Total Cover		

Sapling/Shrub Stratum (Plot size: 15')			
1.			
2.			
3.			
4.			
5.			
6.			
7.			
	0 = Total Cover		

Herb Stratum (Plot size: 5')			
1. Poa pratensis	85	Y	FACW
2. Achillea millefolium	20	N	FACU
3. Dactylis glomerata	10	N	FACU
4. Daucus carota	5	N	FACU
5. Centaurea stoebe	5	N	NI
6.			
7.			
8.			
9.			
10.			
11.			
12.			
	130 = Total Cover		

Woody Vine Stratum (Plot size: 30')			
1.			
2.			
3.			
4.			
	0 = Total Cover		

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 0 (A)

Total Number of Dominant Species Across All Strata: 1 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 0 (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:
OBL species	0	x 1 = 0
FACW species	0	x 2 = 0
FAC species	0	x 3 = 0
FACU species	125	x 4 = 500
UPL species	0	x 5 = 0
Column Totals:	125 (A)	500 (B)

Prevalence Index = B/A = 4.0

Hydrophytic Vegetation Indicators:

___ 1 - Rapid Test for Hydrophytic Vegetation

___ 2 - Dominance Test is >50%

___ 3 - Prevalence Index is < 3.0[1]

___ 4 - Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)

___ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Definitions of Vegetation Strata:

Tree - Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft (1 m) tall.

Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vines - All woody vines greater than 3.28 ft in height.

Community Type: Successional old field

Hydrophytic Vegetation Present? Yes ____ No X

Remarks: (Include photo numbers here or on a separate sheet.)

Photo # P4 **Direction of Photo** N

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1I09d

SOIL

Sampling Point: D4

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-14	10YR5/4	100					1fs	Likely fill
14-20	7.5YR5/2	100					Sil	Likely fill

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Dark Surface (S7) (**LRR R, MLRA 149B**)
- ___ Polyvalue Below Surface (S8) (**LRR R, MLRA 149B**)
- ___ Thin Dark Surface (S9) (**LRR R, MLRA 149B**)
- ___ Loamy Mucky Mineral (F1) (**LRR K, L**)
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ___ 2 cm Muck (A10) (**LRR K, L, MLRA 149B**)
- ___ Coast Prairie Redox (A16) (**LRR K, L, R**)
- ___ 5 cm Mucky Peat or Peat (S3) (**LRR K, L, R**)
- ___ Dark Surface (S7) (**LRR K, L, M**)
- ___ Polyvalue Below Surface (S8) (**LRR K, L**)
- ___ Thin Dark Surface (S9) (**LRR K, L**)
- ___ Iron-Manganese Masses (F12) (**LRR K, L, R**)
- ___ Piedmont Floodplain Soils (F19) (**MLRA 149B**)
- ___ Mesic Spodic (TA6) (**MLRA 144A, 145, 149B**)
- ___ Red Parent Material (TF2)
- ___ Very Shallow Dark Surface (TF12)
- ___ Other (Explain in Remarks)

[3] Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: NONE

Depth (inches): N/A

Hydric Soil Present? Yes _____ No Y

Remarks:

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1I09d

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: Amherst Central Park Town/County: Amherst/Erie County Sampling Date: 6-5-2023

Applicant/Owner: Town of Amherst State: New York Sampling Point: D5

Investigator(s): Scott Livingstone & Alex Molik Section, Township, Range: 68.01-1-1.2

Landform (hillslope, terrace, etc.): Depression Local relief (concave, convex, none): CONCAVE Slope (%): 0

Subregion (LRR or MLRA) LRRL Lat: 42.98927°N Long: -78.77395°W Datum: NAD83

Soil Map Unit Name: SCHOHARIE SILT LOAM, 3-8% SLOPES NW I classification: PSS

Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No ____ (If no, explain in Remarks.)

Are Vegetation ____, Soil ____, or Hydrology ____ significantly disturbed? Are "Normal Circumstances" present? Yes X No ____

Are Vegetation ____, Soil ____, or Hydrology ____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS : Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes X	No ____	**Is the Sampled Area within a Wetland?** Yes X No ____
Hydric Soil Present?	Yes X	No ____	
Wetland Hydrology Present?	Yes X	No ____	If yes, optional Wetland Site ID: W3

Remarks: (Explain alternative procedures here or in a separate report.)

• W3-1 → W3-15 (CLOSED)

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ___ Surface Water (A1)
- ___ High Water Table (A2)
- ___ Saturation (A3)
- X Water Marks (B1)
- ___ Sediment Deposits (B2)
- ___ Drift Deposits (B3)
- ___ Algal Mat or Crust (B4)
- ___ Iron Deposits (B5)
- ___ Inundation Visible on Aerial Imagery (B7)
- ___ Sparsely Vegetated Concave Surface (B8)
- X Water-Stained Leaves (B9)
- ___ Aquatic Fauna (B13)
- ___ Marl Deposits (B15)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres on Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ___ Surface Soil Cracks (B6)
- ___ Drainage Patterns (B10)
- ___ Moss Trim Lines (B16)
- ___ Dry-Season W ater Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Stunted or Stressed Plants (D1)
- ___ Geomorphic Position (D2)
- ___ Shallow Aquitard (D3)
- ___ Microtopographic Relief (D4)
- ___ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present?	Yes ____	No X	Depth (inches): N/A
Water Table Present?	Yes ____	No X	Depth (inches): N/A
Saturation Present? (includes capillary fringe)	Yes ____	No X	Depth (inches): N/A

Wetland Hydrology Present? Yes X No ____

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1I09d

VEGETATION : Use scientific names of plants. Sampling Point: D5

Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status
1. Acer Saccharinum	15	Y	FACW
2. Salix alba	15	Y	FACW
3. Quercus palustris	5	N	FACW
4.			
5.			
6.			
7.			
	35	= Total Cover	

Sapling/Shrub Stratum (Plot size: 15')			
1. Acer Saccharinum	40	Y	FACW
2. Quercus palustris	25	Y	FACW
3. Fraxinus pennsylvanica	10	N	FACW
4.			
5.			
6.			
7.			
	75	= Total Cover	

Herb Stratum (Plot size: 5')			
1. Phalaris arundinacea	30	Y	FACW
2. Carex tribuloides	15	Y	OBL
3. Lythrum Salicaria	10	N	OBL
4. Carex praegracilis	10	N	FACW
5.			
6.			
7.			
8.			
9.			
10.			
11.			
12.			
	65	= Total Cover	

Woody Vine Stratum (Plot size: 30')			
1.			
2.			
3.			
4.			
	0	= Total Cover	

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 6 (A)

Total Number of Dominant Species Across All Strata: 6 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 100 (A/B)

Prevalence Index worksheet:

Total % Cover of:	Multiply by:
OBL species	x 1 =
FACW species	x 2 =
FAC species	x 3 =
FACU species	x 4 =
UPL species	x 5 =
Column Totals: (A)	(B)

Prevalence Index = B/A =

Hydrophytic Vegetation Indicators:

- ✓ 1 - Rapid Test for Hydrophytic Vegetation
- ___ 2 - Dominance Test is >50%
- ___ 3 - Prevalence Index is < 3.0[1]
- ___ 4 - Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)
- ___ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Definitions of Vegetation Strata:

Tree - Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft (1 m) tall.

Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vines - All woody vines greater than 3.28 ft in height.

Community Type: Scrub-shrub swamp

Hydrophytic Vegetation Present? Yes ___ No ___

Remarks: (Include photo numbers here or on a separate sheet.)

Photo # P5 **Direction of Photo** S

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1I09d

SOIL

Sampling Point: D5

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-8	10YR5/2	80	10YR5/8	20	C	M	SiL	
8-20	7.5YR5/4	90	10YR5/6	10	C	M	SiC	

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Dark Surface (S7) (**LRR R, MLRA 149B**)
- ___ Polyvalue Below Surface (S8) (**LRR R, MLRA 149B**)
- ___ Thin Dark Surface (S9) (**LRR R, MLRA 149B**)
- ___ Loamy Mucky Mineral (F1) (**LRR K, L**)
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ___ 2 cm Muck (A10) (**LRR K, L, MLRA 149B**)
- ___ Coast Prairie Redox (A16) (**LRR K, L, R**)
- ___ 5 cm Mucky Peat or Peat (S3) (**LRR K, L, R**)
- ___ Dark Surface (S7) (**LRR K, L, M**)
- ___ Polyvalue Below Surface (S8) (**LRR K, L**)
- ___ Thin Dark Surface (S9) (**LRR K, L**)
- ___ Iron-Manganese Masses (F12) (**LRR K, L, R**)
- ___ Piedmont Floodplain Soils (F19) (**MLRA 149B**)
- ___ Mesic Spodic (TA6) (**MLRA 144A, 145, 149B**)
- ___ Red Parent Material (TF2)
- ___ Very Shallow Dark Surface (TF12)
- ___ Other (Explain in Remarks)

[3] Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: NONE

Depth (inches): N/A

Hydric Soil Present? Yes _____ No X

Remarks:

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1I09d

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: Amherst Central Park Town/County: Amherst/Erie County Sampling Date: 6.5.2023

Applicant/Owner: Town of Amherst State: New York Sampling Point: D6

Investigator(s): Scott Livingstone & Alex Molik Section, Township, Range: 68.01-1-1.2

Landform (hillslope, terrace, etc.): LAKE Plain Local relief (concave, convex, none): CONVEX Slope (%): 5

Subregion (LRR or MLRA) LRRL Lat: 42.98926°N Long: -78.77378°W Datum: NAD83

Soil Map Unit Name: SCHOHARIE SILT LOAM, 3-8% Slopes 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 SUCCESSIONAL FIELD

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ___ Surface Water (A1)
- ___ High Water Table (A2)
- ___ Saturation (A3)
- ___ Water Marks (B1)
- ___ Sediment Deposits (B2)
- ___ Drift Deposits (B3)
- ___ Algal Mat or Crust (B4)
- ___ Iron Deposits (B5)
- ___ Inundation Visible on Aerial Imagery (B7)
- ___ Sparsely Vegetated Concave Surface (B8)
- ___ Water-Stained Leaves (B9)
- ___ Aquatic Fauna (B13)
- ___ Marl Deposits (B15)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres on Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ___ Surface Soil Cracks (B6)
- ___ Drainage Patterns (B10)
- ___ Moss Trim Lines (B16)
- ___ Dry-Season W ater Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Stunted or Stressed Plants (D1)
- ___ Geomorphic Position (D2)
- ___ Shallow Aquitard (D3)
- ___ Microtopographic Relief (D4)
- ___ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present? Yes _____ No X Depth (inches): N/A

Water Table Present? Yes _____ No X Depth (inches): N/A

Saturation Present? (includes capillary fringe) Yes _____ No X Depth (inches): N/A

Wetland Hydrology Present? Yes _____ No X

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1I09d

VEGETATION : Use scientific names of plants. Sampling Point: D6

Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status
1. Quercus palustris	5	Y	FACW
2. Populus deltoides	3	N	FAC
3.			
4.			
5.			
6.			
7.			
	8	= Total Cover	

Sapling/Shrub Stratum (Plot size: 15')			
1.			
2.			
3.			
4.			
5.			
6.			
7.			
	0	= Total Cover	

Herb Stratum (Plot size: 5')			
1. Poa pratensis	60	Y	FACU
2. Dactylis glomerata	25	Y	FACU
3. Dipsacus fullonum	10	N	FACU
4. Vicia cracca	10	N	NI
5.			
6.			
7.			
8.			
9.			
10.			
11.			
12.			
	125	= Total Cover	

Woody Vine Stratum (Plot size: 30')			
1.			
2.			
3.			
4.			
	0	= Total Cover	

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 1 (A)

Total Number of Dominant Species Across All Strata: 3 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 33 (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1 =	0
FACW species	5	x 2 =	10
FAC species	3	x 3 =	9
FACU species	115	x 4 =	460
UPL species	0	x 5 =	0
Column Totals:	123 (A)		479 (B)

Prevalence Index = B/A = 3.89

Hydrophytic Vegetation Indicators:

___ 1 - Rapid Test for Hydrophytic Vegetation

___ 2 - Dominance Test is >50%

___ 3 - Prevalence Index is < 3.0[1]

___ 4 - Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)

___ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Definitions of Vegetation Strata:

Tree - Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft (1 m) tall.

Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vines - All woody vines greater than 3.28 ft in height.

Community Type: Successional old field

Hydrophytic Vegetation Present? Yes ____ No X

Remarks: (Include photo numbers here or on a separate sheet.)

Photo # P6 **Direction of Photo** S

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1I09d

SOIL

Sampling Point: D6

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-5	7.5YR4/4	100					SiCl	
5-20	7.5YR5/4	100					SiC	

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Dark Surface (S7) (**LRR R, MLRA 149B**)
- ___ Polyvalue Below Surface (S8) (**LRR R, MLRA 149B**)
- ___ Thin Dark Surface (S9) (**LRR R, MLRA 149B**)
- ___ Loamy Mucky Mineral (F1) (**LRR K, L**)
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ___ 2 cm Muck (A10) (**LRR K, L, MLRA 149B**)
- ___ Coast Prairie Redox (A16) (**LRR K, L, R**)
- ___ 5 cm Mucky Peat or Peat (S3) (**LRR K, L, R**)
- ___ Dark Surface (S7) (**LRR K, L, M**)
- ___ Polyvalue Below Surface (S8) (**LRR K, L**)
- ___ Thin Dark Surface (S9) (**LRR K, L**)
- ___ Iron-Manganese Masses (F12) (**LRR K, L, R**)
- ___ Piedmont Floodplain Soils (F19) (**MLRA 149B**)
- ___ Mesic Spodic (TA6) (**MLRA 144A, 145, 149B**)
- ___ Red Parent Material (TF2)
- ___ Very Shallow Dark Surface (TF12)
- ___ Other (Explain in Remarks)

[3] Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: NONE

Depth (inches): N/A

Hydric Soil Present? Yes _____ No X

Remarks:

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1l09d

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: Amherst Central Park Town/County: Amherst/Erie County Sampling Date: 6-5-2023

Applicant/Owner: Town of Amherst State: New York Sampling Point: D7

Investigator(s): Scott Livingstone & Alex Molik Section, Township, Range: 68.01-1-1.2

Landform (hillslope, terrace, etc.): LAKE PLAIN Local relief (concave, convex, none): NONE Slope (%): 1

Subregion (LRR or MLRA) LRRL Lat: 42.99069°N Long: -78.77328°W Datum: NAD83

Soil Map Unit Name: ODESSA SILT LOAM, 0-3% Slopes 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	If yes, optional Wetland Site ID: N/A
Wetland Hydrology Present?	Yes _____	No X	

Remarks: (Explain alternative procedures here or in a separate report.)

UPLAND MOWN LAWN

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: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1I09d

VEGETATION : Use scientific names of plants. Sampling Point: D7

Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status
1.			
2.			
3.			
4.			
5.			
6.			
7.			
	0 = Total Cover		

Sapling/Shrub Stratum (Plot size: 15')			
1.			
2.			
3.			
4.			
5.			
6.			
7.			
	0 = Total Cover		

Herb Stratum (Plot size: 5')			
1. Poa pratensis	70	Y	FACU
2. Centaurea stoebe	20	N	NI
3. Lotus corniculatus	15	N	FACU
4. Taraxacum officinale	5	N	FACU
5.			
6.			
7.			
8.			
9.			
10.			
11.			
12.			
	110 = Total Cover		

Woody Vine Stratum (Plot size: 30')			
1.			
2.			
3.			
4.			
	0 = Total Cover		

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 6 (A)

Total Number of Dominant Species Across All Strata: 1 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 0 (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	2	x 1 =	2
FACW species	0	x 2 =	0
FAC species	0	x 3 =	0
FACU species	90	x 4 =	360
UPL species	5	x 5 =	0
Column Totals:	90 (A)		360 (B)

Prevalence Index = B/A = 4.0

Hydrophytic Vegetation Indicators:

___ 1 - Rapid Test for Hydrophytic Vegetation

___ 2 - Dominance Test is >50%

___ 3 - Prevalence Index is < 3.0[1]

___ 4 - Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)

___ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Definitions of Vegetation Strata:

Tree - Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft (1 m) tall.

Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vines - All woody vines greater than 3.28 ft in height.

Community Type: Mown lawn

Hydrophytic Vegetation Present? Yes ____ No X

Remarks: (Include photo numbers here or on a separate sheet.)

Photo # P7 **Direction of Photo** N

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1I09d

SOIL

Sampling Point: D7

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-4	7.5YR4/2	100					SiCl	
4-20	7.5YR4/4	100					SiC	

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Dark Surface (S7) (**LRR R, MLRA 149B**)
- ___ Polyvalue Below Surface (S8) (**LRR R, MLRA 149B**)
- ___ Thin Dark Surface (S9) (**LRR R, MLRA 149B**)
- ___ Loamy Mucky Mineral (F1) (**LRR K, L**)
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ___ 2 cm Muck (A10) (**LRR K, L, MLRA 149B**)
- ___ Coast Prairie Redox (A16) (**LRR K, L, R**)
- ___ 5 cm Mucky Peat or Peat (S3) (**LRR K, L, R**)
- ___ Dark Surface (S7) (**LRR K, L, M**)
- ___ Polyvalue Below Surface (S8) (**LRR K, L**)
- ___ Thin Dark Surface (S9) (**LRR K, L**)
- ___ Iron-Manganese Masses (F12) (**LRR K, L, R**)
- ___ Piedmont Floodplain Soils (F19) (**MLRA 149B**)
- ___ Mesic Spodic (TA6) (**MLRA 144A, 145, 149B**)
- ___ Red Parent Material (TF2)
- ___ Very Shallow Dark Surface (TF12)
- ___ Other (Explain in Remarks)

[3] Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: NONE

Depth (inches): N/A

Hydric Soil Present? Yes _____ No X

Remarks:

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1l09d

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: Amherst Central Park Town/County: Amherst/Erie County Sampling Date: 6-5-2023

Applicant/Owner: Town of Amherst State: New York Sampling Point: D8

Investigator(s): Scott Livingstone & Alex Molik Section, Township, Range: 68.01-1-1.2

Landform (hillslope, terrace, etc.): LAKE PLAIN Local relief (concave, convex, none): NONE Slope (%): 1

Subregion (LRR or MLRA) LRRL Lat: 42.99054°N Long: -78.77212°W Datum: NAD83

Soil Map Unit Name: ODESSA SILT LOAM, 0-3% Slopes 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 SUCCESSIONAL FIELD WITH WILLOWS

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: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1I09d

VEGETATION : Use scientific names of plants. Sampling Point: D8

Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status
1. Salix fragilis	55	Y	FAC
2. Populus deltoides	10	N	FAC
3.			
4.			
5.			
6.			
7.			
	65	= Total Cover	

Sapling/Shrub Stratum (Plot size: 15')			
1. Rhamnus Cathartica	5	Y	FAC
2.			
3.			
4.			
5.			
6.			
7.			
	5	= Total Cover	

Herb Stratum (Plot size: 5')			
1. Poa pratensis	70	Y	FACU
2. Dactylis glomerata	30	Y	FACU
3. Phalaris arundinacea	5	N	FACW
4. Rhamnus Cathartica	5	N	FAC
5.			
6.			
7.			
8.			
9.			
10.			
11.			
12.			
	110	= Total Cover	

Woody Vine Stratum (Plot size: 30')			
1.			
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: 4 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 50 (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1 =	0
FACW species	5	x 2 =	10
FAC species	75	x 3 =	225
FACU species	100	x 4 =	400
UPL species	0	x 5 =	0
Column Totals:	180 (A)		635 (B)

Prevalence Index = B/A = 3.53

Hydrophytic Vegetation Indicators:

___ 1 - Rapid Test for Hydrophytic Vegetation

___ 2 - Dominance Test is >50%

___ 3 - Prevalence Index is < 3.0[1]

___ 4 - Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)

___ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Definitions of Vegetation Strata:

Tree - Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft (1 m) tall.

Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vines - All woody vines greater than 3.28 ft in height.

Community Type: Successional old field

Hydrophytic Vegetation Present? Yes ____ No N

Remarks: (Include photo numbers here or on a separate sheet.)

Photo # P8 **Direction of Photo** SE

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1I09d

SOIL

Sampling Point: D8

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-7	10YR4/1	100					Sil	
7-20	2.5YR5/4	75	7.5YR5/6	10	C	M	Sicl-	
			7.5YR5/1	15	D	M		

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Dark Surface (S7) (**LRR R, MLRA 149B**)
- ___ Polyvalue Below Surface (S8) (**LRR R, MLRA 149B**)
- ___ Thin Dark Surface (S9) (**LRR R, MLRA 149B**)
- ___ Loamy Mucky Mineral (F1) (**LRR K, L**)
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ___ 2 cm Muck (A10) (**LRR K, L, MLRA 149B**)
- ___ Coast Prairie Redox (A16) (**LRR K, L, R**)
- ___ 5 cm Mucky Peat or Peat (S3) (**LRR K, L, R**)
- ___ Dark Surface (S7) (**LRR K, L, M**)
- ___ Polyvalue Below Surface (S8) (**LRR K, L**)
- ___ Thin Dark Surface (S9) (**LRR K, L**)
- ___ Iron-Manganese Masses (F12) (**LRR K, L, R**)
- ___ Piedmont Floodplain Soils (F19) (**MLRA 149B**)
- ___ Mesic Spodic (TA6) (**MLRA 144A, 145, 149B**)
- ___ Red Parent Material (TF2)
- ___ Very Shallow Dark Surface (TF12)
- ___ Other (Explain in Remarks)

[3] Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: NONE

Depth (inches): N/A

Hydric Soil Present? Yes ____ No X

Remarks:

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1l09d

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: Amherst Central Park Town/County: Amherst/Erie County Sampling Date: 6.5.2023

Applicant/Owner: Town of Amherst State: New York Sampling Point: D9

Investigator(s): Scott Livingstone & Alex Molik Section, Township, Range: 68.01-1-1.2

Landform (hillslope, terrace, etc.): Depression Local relief (concave, convex, none): CONCAVE Slope (%): 0

Subregion (LRR or MLRA) LRRL Lat: 42.98883°N Long: -78.77200°W Datum: NAD83

Soil Map Unit Name: ODESSA SILT LOAM, 0-3% Slopes NWI classification: POW

Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No ____ (If no, explain in Remarks.)

Are Vegetation ____, Soil ____, or Hydrology ____ significantly disturbed? Are "Normal Circumstances" present? Yes X No ____

Are Vegetation ____, Soil ____, or Hydrology ____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS : Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes X No ____	**Is the Sampled Area within a Wetland?**	Yes X No ____
Hydric Soil Present?	Yes X No ____		
Wetland Hydrology Present?	Yes X No ____	If yes, optional Wetland Site ID: W4	

Remarks: (Explain alternative procedures here or in a separate report.)

- W4-1-W4-16 (CLOSED)
- FORMER GOLF COURSE POND

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- X Surface Water (A1)
- X High Water Table (A2)
- X Saturation (A3)
- X Water Marks (B1)
- ___ Sediment Deposits (B2)
- ___ Drift Deposits (B3)
- X Algal Mat or Crust (B4)
- ___ Iron Deposits (B5)
- X Inundation Visible on Aerial Imagery (B7)
- ___ Sparsely Vegetated Concave Surface (B8)
- X Water-Stained Leaves (B9)
- ___ Aquatic Fauna (B13)
- ___ Marl Deposits (B15)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres on Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ___ Surface Soil Cracks (B6)
- ___ Drainage Patterns (B10)
- ___ Moss Trim Lines (B16)
- ___ Dry-Season W ater Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Stunted or Stressed Plants (D1)
- ___ Geomorphic Position (D2)
- ___ Shallow Aquitard (D3)
- ___ Microtopographic Relief (D4)
- ___ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present? Yes X No ____ Depth (inches): 8-24+"

Water Table Present? Yes X No ____ Depth (inches): INUNDATED

Saturation Present? (includes capillary fringe) Yes X No ____ Depth (inches): INUNDATED

Wetland Hydrology Present? Yes X No ____

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1I09d

VEGETATION : Use scientific names of plants. Sampling Point: D9

Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status
1.			
2.			
3.			
4.			
5.			
6.			
7.			
	0 = Total Cover		

Sapling/Shrub Stratum (Plot size: 15')			
1. Salix discolor	10	Y	FACW
2.			
3.			
4.			
5.			
6.			
7.			
	10 = Total Cover		

Herb Stratum (Plot size: 5')			
1. Typha x glauca	30	Y	OBL
2. Phalaris arundinacea	20	Y	FACW
3. Agrostis Stolonifera	10	N	FACW
4.			
5.			
6.			
7.			
8.			
9.			
10.			
11.			
12.			
	60 = Total Cover		

Woody Vine Stratum (Plot size: 30')			
1.			
2.			
3.			
4.			
	0 = Total Cover		

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 3 (A)

Total Number of Dominant Species Across All Strata: 3 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 100 (A/B)

Prevalence Index worksheet:

Total % Cover of:	Multiply by:
OBL species	x 1 =
FACW species	x 2 =
FAC species	x 3 =
FACU species	x 4 =
UPL species	x 5 =
Column Totals: (A)	(B)

Prevalence Index = B/A =

Hydrophytic Vegetation Indicators:

X 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: Golf Course Pond

Hydrophytic Vegetation Present? Yes X No

Remarks: (Include photo numbers here or on a separate sheet.)

Photo # 09 **Direction of Photo** N

- Pond 2

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1I09d

SOIL

Sampling Point: D9

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-20"	7.5YR6/1	90	7.5YR5/6	10	C	M	S.C	

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Dark Surface (S7) (**LRR R, MLRA 149B**)
- ___ Polyvalue Below Surface (S8) (**LRR R, MLRA 149B**)
- ___ Thin Dark Surface (S9) (**LRR R, MLRA 149B**)
- ___ Loamy Mucky Mineral (F1) (**LRR K, L**)
- ___ Loamy Gleyed Matrix (F2)
- X Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ___ 2 cm Muck (A10) (**LRR K, L, MLRA 149B**)
- ___ Coast Prairie Redox (A16) (**LRR K, L, R**)
- ___ 5 cm Mucky Peat or Peat (S3) (**LRR K, L, R**)
- ___ Dark Surface (S7) (**LRR K, L, M**)
- ___ Polyvalue Below Surface (S8) (**LRR K, L**)
- ___ Thin Dark Surface (S9) (**LRR K, L**)
- ___ Iron-Manganese Masses (F12) (**LRR K, L, R**)
- ___ Piedmont Floodplain Soils (F19) (**MLRA 149B**)
- ___ Mesic Spodic (TA6) (**MLRA 144A, 145, 149B**)
- ___ Red Parent Material (TF2)
- ___ Very Shallow Dark Surface (TF12)
- ___ Other (Explain in Remarks)

[3] Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: NONE

Depth (inches): N/A

Hydric Soil Present? Yes X No ___

Remarks:

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1I09d

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: Amherst Central Park Town/County: Amherst/Erie County Sampling Date: 6.5.2023

Applicant/Owner: Town of Amherst State: New York Sampling Point: D10

Investigator(s): Scott Livingstone & Alex Molik Section, Township, Range: 68.01-1-1.2

Landform (hillslope, terrace, etc.): LAKE Plain Local relief (concave, convex, none): CONVEX Slope (%): 3

Subregion (LRR or MLRA) LRRL Lat: 42.98879 °N Long: -78.77199 °W Datum: NAD83

Soil Map Unit Name: ODESSA SILT LOAM, 0-3% SLOPES 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 SUCCESSIONAL FIELD 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: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1I09d

VEGETATION : Use scientific names of plants. Sampling Point: D10

Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status
1. Populus deltoides	15	Y	FAC
2.			
3.			
4.			
5.			
6.			
7.			
	15 = Total Cover		

Sapling/Shrub Stratum (Plot size: 15')			
1. Fraxinus americana	3	N	FACW
2.			
3.			
4.			
5.			
6.			
7.			
	3 = Total Cover		

Herb Stratum (Plot size: 5')			
1. Poa pratensis	70	Y	FACU
2. Dactylis glomerata	25	Y	FACU
3. Lolium perenne	10	N	FACU
4. Taraxacum officinale	5	N	FACU
5.			
6.			
7.			
8.			
9.			
10.			
11.			
12.			
	110 = Total Cover		

Woody Vine Stratum (Plot size: 30')			
1.			
2.			
3.			
4.			
	6 = Total Cover		

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 1 (A)

Total Number of Dominant Species Across All Strata: 3 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 33 (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1 =	0
FACW species	0	x 2 =	0
FAC species	15	x 3 =	45
FACU species	113	x 4 =	452
UPL species	0	x 5 =	0
Column Totals:	128 (A)		497 (B)

Prevalence Index = B/A = 3.88

Hydrophytic Vegetation Indicators:

__ 1 - Rapid Test for Hydrophytic Vegetation

__ 2 - Dominance Test is >50%

__ 3 - Prevalence Index is < 3.0[1]

__ 4 - Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)

__ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Definitions of Vegetation Strata:

Tree - Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft (1 m) tall.

Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vines - All woody vines greater than 3.28 ft in height.

Community Type: Successional old field

Hydrophytic Vegetation Present? Yes _____ No X

Remarks: (Include photo numbers here or on a separate sheet.)

Photo # P10 **Direction of Photo** SW

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1I09d

SOIL

Sampling Point: D/O

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-9	7.5YR 4/3	100					Sil+	
9-20	7.5YR 5/4	85	7.5YR 5/6	15	C	M	Sic	

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Dark Surface (S7) (**LRR R, MLRA 149B**)
- ___ Polyvalue Below Surface (S8) (**LRR R, MLRA 149B**)
- ___ Thin Dark Surface (S9) (**LRR R, MLRA 149B**)
- ___ Loamy Mucky Mineral (F1) (**LRR K, L**)
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ___ 2 cm Muck (A10) (**LRR K, L, MLRA 149B**)
- ___ Coast Prairie Redox (A16) (**LRR K, L, R**)
- ___ 5 cm Mucky Peat or Peat (S3) (**LRR K, L, R**)
- ___ Dark Surface (S7) (**LRR K, L, M**)
- ___ Polyvalue Below Surface (S8) (**LRR K, L**)
- ___ Thin Dark Surface (S9) (**LRR K, L**)
- ___ Iron-Manganese Masses (F12) (**LRR K, L, R**)
- ___ Piedmont Floodplain Soils (F19) (**MLRA 149B**)
- ___ Mesic Spodic (TA6) (**MLRA 144A, 145, 149B**)
- ___ Red Parent Material (TF2)
- ___ Very Shallow Dark Surface (TF12)
- ___ Other (Explain in Remarks)

[3] Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: NONE

Depth (inches): N/A

Hydric Soil Present? Yes _____ No X

Remarks:

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1l09d

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: Amherst Central Park Town/County: Amherst/Erie County Sampling Date: 6.5.2023

Applicant/Owner: Town of Amherst State: New York Sampling Point: D11

Investigator(s): Scott Livingstone & Alex Molik Section, Township, Range: 68.01-1-1.2

Landform (hillslope, terrace, etc.): LAKE Plain Local relief (concave, convex, none): NONE Slope (%): 2

Subregion (LRR or MLRA) LRRL Lat: 42.989140°N Long: -78.772940°W Datum: NAD83

Soil Map Unit Name: ODESSA SILT LOAM, 0-3% Slopes 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 SUCCESSIONAL FIELD 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: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1I09d

VEGETATION : Use scientific names of plants. Sampling Point: D11

Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status
1. Acer rubrum	15	Y	FAC
2. Fraxinus americana	10	Y	FACW
3. Acer saccharinum	5	N	FACW
4. Robinia pseudoacacia	5	N	FACU
5.			
6.			
7.			
	35	= Total Cover	

Sapling/Shrub Stratum (Plot size: 15')			
1.			
2.			
3.			
4.			
5.			
6.			
7.			
	0	= Total Cover	

Herb Stratum (Plot size: 5')			
1. Poa pratensis	70	Y	FACU
2. Dactylis glomerata	20	N	FACU
3. Lolium perenne	15	N	FACU
4.			
5.			
6.			
7.			
8.			
9.			
10.			
11.			
12.			
	105	= Total Cover	

Woody Vine Stratum (Plot size: 30')			
1.			
2.			
3.			
4.			
	0	= Total Cover	

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 1 (A)

Total Number of Dominant Species Across All Strata: 3 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 33 (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:
OBL species	0	x 1 = 0
FACW species	5	x 2 = 10
FAC species	15	x 3 = 45
FACU species	120	x 4 = 480
UPL species	0	x 5 = 0
Column Totals:	140 (A)	535 (B)

Prevalence Index = B/A = 3.82

Hydrophytic Vegetation Indicators:

__ 1 - Rapid Test for Hydrophytic Vegetation

__ 2 - Dominance Test is >50%

__ 3 - Prevalence Index is < 3.0[1]

__ 4 - Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)

__ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Definitions of Vegetation Strata:

Tree - Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft (1 m) tall.

Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vines - All woody vines greater than 3.28 ft in height.

Community Type: Successional old field

Hydrophytic Vegetation Present? Yes _____ No X

Remarks: (Include photo numbers here or on a separate sheet.)

Photo # P11 **Direction of Photo** S

- Tree line within old field

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1I09d

SOIL

Sampling Point: D11

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-8	7.5YR 4/2	100					SiL	
8-20	7.5YR 5/4	90	7.5YR 5/6	10	C	M	SiC	

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Dark Surface (S7) (**LRR R, MLRA 149B**)
- ___ Polyvalue Below Surface (S8) (**LRR R, MLRA 149B**)
- ___ Thin Dark Surface (S9) (**LRR R, MLRA 149B**)
- ___ Loamy Mucky Mineral (F1) (**LRR K, L**)
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ___ 2 cm Muck (A10) (**LRR K, L, MLRA 149B**)
- ___ Coast Prairie Redox (A16) (**LRR K, L, R**)
- ___ 5 cm Mucky Peat or Peat (S3) (**LRR K, L, R**)
- ___ Dark Surface (S7) (**LRR K, L, M**)
- ___ Polyvalue Below Surface (S8) (**LRR K, L**)
- ___ Thin Dark Surface (S9) (**LRR K, L**)
- ___ Iron-Manganese Masses (F12) (**LRR K, L, R**)
- ___ Piedmont Floodplain Soils (F19) (**MLRA 149B**)
- ___ Mesic Spodic (TA6) (**MLRA 144A, 145, 149B**)
- ___ Red Parent Material (TF2)
- ___ Very Shallow Dark Surface (TF12)
- ___ Other (Explain in Remarks)

[3] Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: NONE

Depth (inches): N/A

Hydric Soil Present? Yes _____ No X

Remarks:

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1I09d

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: Amherst Central Park Town/County: Amherst/Erie County Sampling Date: 6-5-2023

Applicant/Owner: Town of Amherst State: New York Sampling Point: D12

Investigator(s): Scott Livingstone & Alex Molik Section, Township, Range: 68.01-1-1.2

Landform (hillslope, terrace, etc.): LAKE Plain Local relief (concave, convex, none): NONE Slope (%): 2

Subregion (LRR or MLRA) LRRL Lat: 42.98795°N Long: -78.77260°W Datum: NAD83

Soil Map Unit Name: ODESSA SILT LOAM, 0-3% SLOPES 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 SUCCESSIONAL FIELD WITH ROW OF ARBORVITAE

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: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1I09d

VEGETATION : Use scientific names of plants. Sampling Point: D12

Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status
1. Robinia pseudoacacia	25	Y	FACU
2. Acer saccharinum	15	Y	FACW
3.			
4.			
5.			
6.			
7.			
	40	= Total Cover	

Sapling/Shrub Stratum (Plot size: 15')			
1. Thuja occidentalis	50	Y	FACW
2.			
3.			
4.			
5.			
6.			
7.			
	50	= Total Cover	

Herb Stratum (Plot size: 5')			
1. Poa pratensis	70	Y	FACU
2. Lolium perenne	30	Y	FACU
3. Dactylis glomerata	15	N	FACU
4. Centaurea stoebe	5	N	NI
5. Dipsacus fullonum	5	N	FACU
6.			
7.			
8.			
9.			
10.			
11.			
12.			
	125	= Total Cover	

Woody Vine Stratum (Plot size: 30')			
1.			
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: 5 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 40 (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1 =	0
FACW species	45	x 2 =	90
FAC species	0	x 3 =	0
FACU species	145	x 4 =	580
UPL species	0	x 5 =	0
Column Totals:	190 (A)		670 (B)

Prevalence Index = B/A = 3.53

Hydrophytic Vegetation Indicators:

___ 1 - Rapid Test for Hydrophytic Vegetation

___ 2 - Dominance Test is >50%

___ 3 - Prevalence Index is < 3.0[1]

___ 4 - Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)

___ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Definitions of Vegetation Strata:

Tree - Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft (1 m) tall.

Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vines - All woody vines greater than 3.28 ft in height.

Community Type: Successional old field

Hydrophytic Vegetation Present? Yes ___ No X

Remarks: (Include photo numbers here or on a separate sheet.)

Photo # P12 **Direction of Photo** E

- Tree line within old field

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1I09d

SOIL

Sampling Point: D12

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-11	10YR5/3	100					SiL	
11-20	10YR5/4	100					L	

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Dark Surface (S7) (**LRR R, MLRA 149B**)
- ___ Polyvalue Below Surface (S8) (**LRR R, MLRA 149B**)
- ___ Thin Dark Surface (S9) (**LRR R, MLRA 149B**)
- ___ Loamy Mucky Mineral (F1) (**LRR K, L**)
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ___ 2 cm Muck (A10) (**LRR K, L, MLRA 149B**)
- ___ Coast Prairie Redox (A16) (**LRR K, L, R**)
- ___ 5 cm Mucky Peat or Peat (S3) (**LRR K, L, R**)
- ___ Dark Surface (S7) (**LRR K, L, M**)
- ___ Polyvalue Below Surface (S8) (**LRR K, L**)
- ___ Thin Dark Surface (S9) (**LRR K, L**)
- ___ Iron-Manganese Masses (F12) (**LRR K, L, R**)
- ___ Piedmont Floodplain Soils (F19) (**MLRA 149B**)
- ___ Mesic Spodic (TA6) (**MLRA 144A, 145, 149B**)
- ___ Red Parent Material (TF2)
- ___ Very Shallow Dark Surface (TF12)
- ___ Other (Explain in Remarks)

[3] Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: NONE

Depth (inches): N/A

Hydric Soil Present? Yes _____ No X

Remarks:

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1I09d

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: Amherst Central Park Town/County: Amherst/Erie County Sampling Date: 6.5.2023

Applicant/Owner: Town of Amherst State: New York Sampling Point: D13

Investigator(s): Scott Livingstone & Alex Molik Section, Township, Range: 68.01-1-1.2

Landform (hillslope, terrace, etc.): Depression Local relief (concave, convex, none): CONCAVE Slope (%): 0

Subregion (LRR or MLRA) LRRL Lat: 42.98806°N Long: -78.77398 Datum: NAD83

Soil Map Unit Name: SCHOHARIE SILT LOAM, 3-8% SLOPES NWI classification: PFO

Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No ____ (If no, explain in Remarks.)

Are Vegetation ____, Soil ____, or Hydrology ____ significantly disturbed? Are "Normal Circumstances" present? Yes X No ____

Are Vegetation ____, Soil ____, or Hydrology ____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS : Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes X No ____	**Is the Sampled Area within a Wetland?**	Yes X No ____
Hydric Soil Present?	Yes X No ____		
Wetland Hydrology Present?	Yes X No ____	If yes, optional Wetland Site ID:	W5

Remarks: (Explain alternative procedures here or in a separate report.)

• W5-1 → W5-37 (CLOSED)

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ___ Surface Water (A1)
- ___ High Water Table (A2)
- ___ Saturation (A3)
- ___ Water Marks (B1)
- ___ Sediment Deposits (B2)
- ___ Drift Deposits (B3)
- ___ Algal Mat or Crust (B4)
- ___ Iron Deposits (B5)
- ___ Inundation Visible on Aerial Imagery (B7)
- ___ Sparsely Vegetated Concave Surface (B8)
- X Water-Stained Leaves (B9)
- ___ Aquatic Fauna (B13)
- ___ Marl Deposits (B15)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres on Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ___ Surface Soil Cracks (B6)
- ___ Drainage Patterns (B10)
- ___ Moss Trim Lines (B16)
- ___ Dry-Season Water Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Stunted or Stressed Plants (D1)
- ___ Geomorphic Position (D2)
- ___ Shallow Aquitard (D3)
- ___ Microtopographic Relief (D4)
- ___ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present?	Yes ____	No X	Depth (inches): N/A
Water Table Present?	Yes ____	No X	Depth (inches): N/A
Saturation Present? (includes capillary fringe)	Yes ____	No X	Depth (inches): N/A

Wetland Hydrology Present? Yes X No ____

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1I09d

VEGETATION : Use scientific names of plants. Sampling Point: D13

Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status
1. Quercus bicolor	35	Y	FACW
2. Quercus palustris	25	Y	FACW
3. Acer Saccharinum	25	Y	FACW
4. Fraxinus pennsylvanica	5	N	FACW
5.			
6.			
7.			
	90	= Total Cover	

Sapling/Shrub Stratum (Plot size: 15')			
1. Fraxinus pennsylvanica	20	Y	FACW
2.			
3.			
4.			
5.			
6.			
7.			
	20	= Total Cover	

Herb Stratum (Plot size: 5')			
1. Glyceria striata	20	Y	OBL
2. Toxicodendron radicans	15	Y	FAC
3. Fraxinus pennsylvanica	10	N	FACW
4. Solidago gigantea	10	N	FACW
5.			
6.			
7.			
8.			
9.			
10.			
11.			
12.			
	55	= Total Cover	

Woody Vine Stratum (Plot size: 30')			
1.			
2.			
3.			
4.			
	0	= Total Cover	

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 6 (A)

Total Number of Dominant Species Across All Strata: 6 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 100 (A/B)

Prevalence Index worksheet:

Total % Cover of:	Multiply by:
OBL species	x 1 =
FACW species	x 2 =
FAC species	x 3 =
FACU species	x 4 =
UPL species	x 5 =
Column Totals: (A)	(B)

Prevalence Index = B/A =

Hydrophytic Vegetation Indicators:

- ___ 1 - Rapid Test for Hydrophytic Vegetation
- X 2 - Dominance Test is >50%
- ___ 3 - Prevalence Index is < 3.0[1]
- ___ 4 - Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)
- ___ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Definitions of Vegetation Strata:

Tree - Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft (1 m) tall.

Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vines - All woody vines greater than 3.28 ft in height.

Community Type: Hardwood Swamp

Hydrophytic Vegetation Present? Yes X No ___

Remarks: (Include photo numbers here or on a separate sheet.)

Photo # P13 **Direction of Photo** S

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1I09d

SOIL

Sampling Point: D13

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-5	10YR3/1	97	10YR5/8	3	C	M	S.L-	
5-20	10YR6/1	97	10YR5/8	3	C	M	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)
- X Depleted Matrix (F3)
- X Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ___ 2 cm Muck (A10) (**LRR K, L, MLRA 149B**)
- ___ Coast Prairie Redox (A16) (**LRR K, L, R**)
- ___ 5 cm Mucky Peat or Peat (S3) (**LRR K, L, R**)
- ___ Dark Surface (S7) (**LRR K, L, M**)
- ___ Polyvalue Below Surface (S8) (**LRR K, L**)
- ___ Thin Dark Surface (S9) (**LRR K, L**)
- ___ Iron-Manganese Masses (F12) (**LRR K, L, R**)
- ___ Piedmont Floodplain Soils (F19) (**MLRA 149B**)
- ___ Mesic Spodic (TA6) (**MLRA 144A, 145, 149B**)
- ___ Red Parent Material (TF2)
- ___ Very Shallow Dark Surface (TF12)
- ___ Other (Explain in Remarks)

[3] Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: NONE

Depth (inches): N/A

Hydric Soil Present? Yes X No ___

Remarks:

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1I09d

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: Amherst Central Park Town/County: Amherst/Erie County Sampling Date: 6-5-2023

Applicant/Owner: Town of Amherst State: New York Sampling Point: D14

Investigator(s): Scott Livingstone & Alex Molik Section, Township, Range: 68.01-1-1.2

Landform (hillslope, terrace, etc.): Hillslope Local relief (concave, convex, none): CONVEX Slope (%): 15

Subregion (LRR or MLRA) LRR L Lat: 42.98814°N Long: -78.77398°W Datum: NAD83

Soil Map Unit Name: SCHOHARIE SILT LOAM, 3-8% SLOPES NWI classification: N/A

Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No ____ (If no, explain in Remarks.)

Are Vegetation ____, Soil ____, or Hydrology ____ significantly disturbed? Are "Normal Circumstances" present? Yes X No ____

Are Vegetation ____, Soil ____, or Hydrology ____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS : Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes ____	No X	**Is the Sampled Area within a Wetland?** Yes ____ No X
Hydric Soil Present?	Yes ____	No X	
Wetland Hydrology Present?	Yes ____	No X	If yes, optional Wetland Site ID: N/A

Remarks: (Explain alternative procedures here or in a separate report.)

UPLAND WOODS

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ___ Surface Water (A1)
- ___ High Water Table (A2)
- ___ Saturation (A3)
- ___ Water Marks (B1)
- ___ Sediment Deposits (B2)
- ___ Drift Deposits (B3)
- ___ Algal Mat or Crust (B4)
- ___ Iron Deposits (B5)
- ___ Inundation Visible on Aerial Imagery (B7)
- ___ Sparsely Vegetated Concave Surface (B8)
- ___ Water-Stained Leaves (B9)
- ___ Aquatic Fauna (B13)
- ___ Marl Deposits (B15)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres on Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ___ Surface Soil Cracks (B6)
- ___ Drainage Patterns (B10)
- ___ Moss Trim Lines (B16)
- ___ Dry-Season 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: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1I09d

VEGETATION : Use scientific names of plants.

Sampling Point: D14

Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status
1. Quercus alba	20	Y	FACU
2. Fraxinus americana	20	Y	FACW
3. Quercus bicolor	10	N	FACW
4. Quercus palustris	5	N	FACW
5.			
6.			
7.			
	55	= Total Cover	

Sapling/Shrub Stratum (Plot size: 15')			
1. Rhamnus cathartica	30	Y	FAC
2. Fraxinus americana	5	N	FACU
3.			
4.			
5.			
6.			
7.			
	35	= Total Cover	

Herb Stratum (Plot size: 5')			
1. Rhamnus Cathartica	10	Y	FAC
2. Toxicodendron radicans	10	Y	FAC
3.			
4.			
5.			
6.			
7.			
8.			
9.			
10.			
11.			
12.			
	20	= Total Cover	

Woody Vine Stratum (Plot size: 30')			
1.			
2.			
3.			
4.			
	0	= Total Cover	

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 3 (A)

Total Number of Dominant Species Across All Strata: 5 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 60 (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1 =	0
FACW species	15	x 2 =	30
FAC species	50	x 3 =	150
FACU species	45	x 4 =	180
UPL species	0	x 5 =	0
Column Totals:	110 (A)		360 (B)

Prevalence Index = B/A = 3.27

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 # P14 **Direction of Photo** NE

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1109d

SOIL

Sampling Point: D14

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-7	10YR4/4	100					L	
7-20	10YR5/4	100					L	

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Dark Surface (S7) (**LRR R, MLRA 149B**)
- ___ Polyvalue Below Surface (S8) (**LRR R, MLRA 149B**)
- ___ Thin Dark Surface (S9) (**LRR R, MLRA 149B**)
- ___ Loamy Mucky Mineral (F1) (**LRR K, L**)
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ___ 2 cm Muck (A10) (**LRR K, L, MLRA 149B**)
- ___ Coast Prairie Redox (A16) (**LRR K, L, R**)
- ___ 5 cm Mucky Peat or Peat (S3) (**LRR K, L, R**)
- ___ Dark Surface (S7) (**LRR K, L, M**)
- ___ Polyvalue Below Surface (S8) (**LRR K, L**)
- ___ Thin Dark Surface (S9) (**LRR K, L**)
- ___ Iron-Manganese Masses (F12) (**LRR K, L, R**)
- ___ Piedmont Floodplain Soils (F19) (**MLRA 149B**)
- ___ Mesic Spodic (TA6) (**MLRA 144A, 145, 149B**)
- ___ Red Parent Material (TF2)
- ___ Very Shallow Dark Surface (TF12)
- ___ Other (Explain in Remarks)

[3] Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: NONE

Depth (inches): N/A

Hydric Soil Present? Yes _____ No X

Remarks:

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1I09d

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: Amherst Central Park Town/County: Amherst/Erie County Sampling Date: 6.5.2023

Applicant/Owner: Town of Amherst State: New York Sampling Point: D15

Investigator(s): Scott Livingstone & Alex Molik Section, Township, Range: 68.01-1-1.2

Landform (hillslope, terrace, etc.): Depression Local relief (concave, convex, none): CONCAVE Slope (%): 0

Subregion (LRR or MLRA) LRRL Lat: 42.98793°N Long: -78.77508°W Datum: NAD83

Soil Map Unit Name: SCHOHARIE SILT LOAM, 3-8% slopes NWI classification: PFO

Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No ____ (If no, explain in Remarks.)

Are Vegetation ____, Soil ____, or Hydrology ____ significantly disturbed? Are "Normal Circumstances" present? Yes X No ____

Are Vegetation ____, Soil ____, or Hydrology ____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS : Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes X	No ____	**Is the Sampled Area within a Wetland?** Yes X No ____
Hydric Soil Present?	Yes X	No ____	
Wetland Hydrology Present?	Yes X	No ____	If yes, optional Wetland Site ID: W5

Remarks: (Explain alternative procedures here or in a separate report.)

• W5-1 → W5-37 (CLOSED)

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ___ Surface Water (A1)
- ___ High Water Table (A2)
- ___ Saturation (A3)
- ___ Water Marks (B1)
- ___ Sediment Deposits (B2)
- ___ Drift Deposits (B3)
- ___ Algal Mat or Crust (B4)
- ___ Iron Deposits (B5)
- ___ Inundation Visible on Aerial Imagery (B7)
- ___ Sparsely Vegetated Concave Surface (B8)
- X Water-Stained Leaves (B9)
- ___ Aquatic Fauna (B13)
- ___ Marl Deposits (B15)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres on Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ___ Surface Soil Cracks (B6)
- ___ Drainage Patterns (B10)
- ___ Moss Trim Lines (B16)
- ___ Dry-Season Water Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Stunted or Stressed Plants (D1)
- ___ Geomorphic Position (D2)
- ___ Shallow Aquitard (D3)
- ___ Microtopographic Relief (D4)
- ___ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present?	Yes ____	No X	Depth (inches): N/A
Water Table Present?	Yes ____	No X	Depth (inches): N/A
Saturation Present? (includes capillary fringe)	Yes ____	No X	Depth (inches): N/A

Wetland Hydrology Present? Yes X No ____

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1I09d

VEGETATION : Use scientific names of plants.

Sampling Point: D15

Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status
1. Quercus Palustris	40	Y	FACW
2. Acer Saccharinum	15	Y	FACW
3. Quercus bicolor	10	N	FACW
4.			
5.			
6.			
7.			
	65	= Total Cover	

Sapling/Shrub Stratum (Plot size: 15')			
1.			
2.			
3.			
4.			
5.			
6.			
7.			
	0	= Total Cover	

Herb Stratum (Plot size: 5')			
1. Poa pratensis	40	Y	FACU
2. Centaurea Stoebe	10	N	NI
3. Carex Vulpinoidea	10	N	OBL
4. Taraxacum officinale	5	N	FACU
5.			
6.			
7.			
8.			
9.			
10.			
11.			
12.			
	65	= Total Cover	

Woody Vine Stratum (Plot size: 30')			
1.			
2.			
3.			
4.			
	0	= Total Cover	

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 2 (A)

Total Number of Dominant Species Across All Strata: 3 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 66.7 (A/B)

Prevalence Index worksheet:

Total % Cover of:	Multiply by:	
OBL species	x 1 =	
FACW species	x 2 =	
FAC species	x 3 =	
FACU species	x 4 =	
UPL species	x 5 =	
Column Totals: (A)		(B)

Prevalence Index = B/A =

Hydrophytic Vegetation Indicators:

- ___ 1 - Rapid Test for Hydrophytic Vegetation
- X 2 - Dominance Test is >50%
- ___ 3 - Prevalence Index is < 3.0[1]
- ___ 4 - Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)
- ___ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Definitions of Vegetation Strata:

Tree - Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft (1 m) tall.

Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vines - All woody vines greater than 3.28 ft in height.

Community Type: Hardwood Swamp

Hydrophytic Vegetation Present? Yes X No ___

Remarks: (Include photo numbers here or on a separate sheet.)

Photo # P15 **Direction of Photo** E

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1I09d

SOIL

Sampling Point: 015

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-9	7.5YR3/1	98	7.5YR5/8	2	C	PL	S.L	
9-20	7.5YR4/1	95	7.5YR5/8	5	C	M	S.C.L	

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Dark Surface (S7) (**LRR R, MLRA 149B**)
- ___ Polyvalue Below Surface (S8) (**LRR R, MLRA 149B**)
- ___ Thin Dark Surface (S9) (**LRR R, MLRA 149B**)
- ___ Loamy Mucky Mineral (F1) (**LRR K, L**)
- ___ Loamy Gleyed Matrix (F2)
- X Depleted Matrix (F3)
- X Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ___ 2 cm Muck (A10) (**LRR K, L, MLRA 149B**)
- ___ Coast Prairie Redox (A16) (**LRR K, L, R**)
- ___ 5 cm Mucky Peat or Peat (S3) (**LRR K, L, R**)
- ___ Dark Surface (S7) (**LRR K, L, M**)
- ___ Polyvalue Below Surface (S8) (**LRR K, L**)
- ___ Thin Dark Surface (S9) (**LRR K, L**)
- ___ Iron-Manganese Masses (F12) (**LRR K, L, R**)
- ___ Piedmont Floodplain Soils (F19) (**MLRA 149B**)
- ___ Mesic Spodic (TA6) (**MLRA 144A, 145, 149B**)
- ___ Red Parent Material (TF2)
- ___ Very Shallow Dark Surface (TF12)
- ___ Other (Explain in Remarks)

[3] Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: NONE

Depth (inches): N/A

Hydric Soil Present? Yes X No ___

Remarks:

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1I09d

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: Amherst Central Park Town/County: Amherst/Erie County Sampling Date: 6.5.2023

Applicant/Owner: Town of Amherst State: New York Sampling Point: D16

Investigator(s): Scott Livingstone & Alex Molik Section, Township, Range: 68.01-1-1.2

Landform (hillslope, terrace, etc.): LAKE PLAIN Local relief (concave, convex, none): NONE Slope (%): 2

Subregion (LRR or MLRA) LRRL Lat: 42.98796°N Long: -78.77529°W Datum: NAD83

Soil Map Unit Name: SCHOHARIE SILT LOAM, 3-8% Slopes 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 SUCCESSIONAL FIELD

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ___ Surface Water (A1)
- ___ High Water Table (A2)
- ___ Saturation (A3)
- ___ Water Marks (B1)
- ___ Sediment Deposits (B2)
- ___ Drift Deposits (B3)
- ___ Algal Mat or Crust (B4)
- ___ Iron Deposits (B5)
- ___ Inundation Visible on Aerial Imagery (B7)
- ___ Sparsely Vegetated Concave Surface (B8)
- ___ Water-Stained Leaves (B9)
- ___ Aquatic Fauna (B13)
- ___ Marl Deposits (B15)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres on Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ___ Surface Soil Cracks (B6)
- ___ Drainage Patterns (B10)
- ___ Moss Trim Lines (B16)
- ___ Dry-Season 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: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1I09d

VEGETATION : Use scientific names of plants.

Sampling Point: D16

Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status
1.			
2.			
3.			
4.			
5.			
6.			
7.			
	0 = Total Cover		

Sapling/Shrub Stratum (Plot size: 15')			
1.			
2.			
3.			
4.			
5.			
6.			
7.			
	0 = Total Cover		

Herb Stratum (Plot size: 5')			
1. Poa pratensis	75	Y	FACU
2. Dactylis glomerata	25	Y	FACU
3. Lolium perenne	10	N	FACU
4. Centaurea stoebe	10	N	NI
5. Taraxacum officinale	5	N	FACU
6.			
7.			
8.			
9.			
10.			
11.			
12.			
	125 = Total Cover		

Woody Vine Stratum (Plot size: 30')			
1.			
2.			
3.			
4.			
	0 = Total Cover		

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 0 (A)

Total Number of Dominant Species Across All Strata: 2 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 0 (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1 =	0
FACW species	0	x 2 =	0
FAC species	0	x 3 =	0
FACU species	115	x 4 =	460
UPL species	0	x 5 =	0
Column Totals:	115 (A)		460 (B)

Prevalence Index = B/A = 4.0

Hydrophytic Vegetation Indicators:

___ 1 - Rapid Test for Hydrophytic Vegetation

___ 2 - Dominance Test is >50%

___ 3 - Prevalence Index is < 3.0[1]

___ 4 - Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)

___ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Definitions of Vegetation Strata:

Tree - Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft (1 m) tall.

Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vines - All woody vines greater than 3.28 ft in height.

Community Type: Successional old field

Hydrophytic Vegetation Present? Yes ____ No X

Remarks: (Include photo numbers here or on a separate sheet.)

Photo # P16 **Direction of Photo** S

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1l09d

SOIL

Sampling Point: D16

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-9	10YR4/2	100					S, L	
9-20	10YR5/4	70	10YR5/6	20	C	M	S, C	
			10YR5/1	10	D	M		

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Dark Surface (S7) (**LRR R, MLRA 149B**)
- ___ Polyvalue Below Surface (S8) (**LRR R, MLRA 149B**)
- ___ Thin Dark Surface (S9) (**LRR R, MLRA 149B**)
- ___ Loamy Mucky Mineral (F1) (**LRR K, L**)
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ___ 2 cm Muck (A10) (**LRR K, L, MLRA 149B**)
- ___ Coast Prairie Redox (A16) (**LRR K, L, R**)
- ___ 5 cm Mucky Peat or Peat (S3) (**LRR K, L, R**)
- ___ Dark Surface (S7) (**LRR K, L, M**)
- ___ Polyvalue Below Surface (S8) (**LRR K, L**)
- ___ Thin Dark Surface (S9) (**LRR K, L**)
- ___ Iron-Manganese Masses (F12) (**LRR K, L, R**)
- ___ Piedmont Floodplain Soils (F19) (**MLRA 149B**)
- ___ Mesic Spodic (TA6) (**MLRA 144A, 145, 149B**)
- ___ Red Parent Material (TF2)
- ___ Very Shallow Dark Surface (TF12)
- ___ Other (Explain in Remarks)

[3] Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: NONE

Depth (inches): N/A

Hydric Soil Present? Yes _____ No X

Remarks:

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1I09d

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: Amherst Central Park Town/County: Amherst/Erie County Sampling Date: 6-5-2023

Applicant/Owner: Town of Amherst State: New York Sampling Point: D17

Investigator(s): Scott Livingstone & Alex Molik Section, Township, Range: 68.01-1-1.2

Landform (hillslope, terrace, etc.): POND Local relief (concave, convex, none): CONCAVE Slope (%): 0

Subregion (LRR or MLRA) LRRL Lat: 42.986970°N Long: -78.77501°W Datum: NAD83

Soil Map Unit Name: SCHOHARIE SILT LOAM, 3-8% SLOPES NWI classification: POW

Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No ____ (If no, explain in Remarks.)

Are Vegetation ____, Soil ____, or Hydrology ____ significantly disturbed? Are "Normal Circumstances" present? Yes X No ____

Are Vegetation ____, Soil ____, or Hydrology ____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS : Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes X	No ____	**Is the Sampled Area within a Wetland?** Yes X No ____
Hydric Soil Present?	Yes X	No ____	
Wetland Hydrology Present?	Yes X	No ____	If yes, optional Wetland Site ID: W6

Remarks: (Explain alternative procedures here or in a separate report.)

- W6-1-W6-17 (CLOSED)
- FORMER GOLF COURSE POND

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- X Surface Water (A1)
- X High Water Table (A2)
- X Saturation (A3)
- X Water Marks (B1)
- ___ Sediment Deposits (B2)
- ___ Drift Deposits (B3)
- ___ Algal Mat or Crust (B4)
- ___ Iron Deposits (B5)
- X Inundation Visible on Aerial Imagery (B7)
- ___ Sparsely Vegetated Concave Surface (B8)
- X Water-Stained Leaves (B9)
- ___ Aquatic Fauna (B13)
- ___ Marl Deposits (B15)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres on Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ___ Surface Soil Cracks (B6)
- ___ Drainage Patterns (B10)
- ___ Moss Trim Lines (B16)
- ___ Dry-Season W ater Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Stunted or Stressed Plants (D1)
- ___ Geomorphic Position (D2)
- ___ Shallow Aquitard (D3)
- ___ Microtopographic Relief (D4)
- ___ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present?	Yes X	No ____	Depth (inches): 6-24"
Water Table Present?	Yes X	No ____	Depth (inches): INUNDATED
Saturation Present? (includes capillary fringe)	Yes X	No ____	Depth (inches): INUNDATED

Wetland Hydrology Present? Yes X No ____

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1l09d

VEGETATION : Use scientific names of plants.

Sampling Point: D17

Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status
1.			
2.			
3.			
4.			
5.			
6.			
7.			
	0 = Total Cover		

Sapling/Shrub Stratum (Plot size: 15')			
1.			
2.			
3.			
4.			
5.			
6.			
7.			
	0 = Total Cover		

Herb Stratum (Plot size: 5')			
1. Schoenoplectus tabernaemontani	30	Y	OBL
2. Agrostis Stolonifera	20	Y	FACW
3. Carex Vulpinoidea	15	N	OBL
4. Phalaris arundinacea	15	N	FACW
5.			
6.			
7.			
8.			
9.			
10.			
11.			
12.			
	80 = Total Cover		

Woody Vine Stratum (Plot size: 30')			
1.			
2.			
3.			
4.			
	0 = Total Cover		

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 2 (A)

Total Number of Dominant Species Across All Strata: 2 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 100 (A/B)

Prevalence Index worksheet:

Total % Cover of:	Multiply by:
OBL species	x 1 =
FACW species	x 2 =
FAC species	x 3 =
FACU species	x 4 =
UPL species	x 5 =
Column Totals: (A)	(B)

Prevalence Index = B/A =

Hydrophytic Vegetation Indicators:

- X 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: Golf Course Pond

Hydrophytic Vegetation Present? Yes X No ___

Remarks: (Include photo numbers here or on a separate sheet.)

Photo # P17 **Direction of Photo** SE

Pond 3

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1I09d

SOIL

Sampling Point: D17

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-9	7.5YR5/1	93	7.5YR5/6	7	C	M	SiC	
9-20	7.5YR5/4	85	7.5YR5/6	15	C	M	SiC	

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Dark Surface (S7) (**LRR R, MLRA 149B**)
- ___ Polyvalue Below Surface (S8) (**LRR R, MLRA 149B**)
- ___ Thin Dark Surface (S9) (**LRR R, MLRA 149B**)
- ___ Loamy Mucky Mineral (F1) (**LRR K, L**)
- X Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ___ 2 cm Muck (A10) (**LRR K, L, MLRA 149B**)
- ___ Coast Prairie Redox (A16) (**LRR K, L, R**)
- ___ 5 cm Mucky Peat or Peat (S3) (**LRR K, L, R**)
- ___ Dark Surface (S7) (**LRR K, L, M**)
- ___ Polyvalue Below Surface (S8) (**LRR K, L**)
- ___ Thin Dark Surface (S9) (**LRR K, L**)
- ___ Iron-Manganese Masses (F12) (**LRR K, L, R**)
- ___ Piedmont Floodplain Soils (F19) (**MLRA 149B**)
- ___ Mesic Spodic (TA6) (**MLRA 144A, 145, 149B**)
- ___ Red Parent Material (TF2)
- ___ Very Shallow Dark Surface (TF12)
- ___ Other (Explain in Remarks)

[3] Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: NONE

Depth (inches): N/A

Hydric Soil Present? Yes X No ___

Remarks:

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1I09d

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: Amherst Central Park Town/County: Amherst/Erie County Sampling Date: 6.5.2023

Applicant/Owner: Town of Amherst State: New York Sampling Point: D18

Investigator(s): Scott Livingstone & Alex Molik Section, Township, Range: 68.01-1-1.2

Landform (hillslope, terrace, etc.): LAKE Plain Local relief (concave, convex, none): NONE Slope (%): 2

Subregion (LRR or MLRA) LRRL Lat: 42.98687°N Long: -78.77508°W Datum: NAD83

Soil Map Unit Name: ODESSA SILT LOAM, 0-3% Slopes 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 SUCCESSIONAL FIELD

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ___ Surface Water (A1)
- ___ High Water Table (A2)
- ___ Saturation (A3)
- ___ Water Marks (B1)
- ___ Sediment Deposits (B2)
- ___ Drift Deposits (B3)
- ___ Algal Mat or Crust (B4)
- ___ Iron Deposits (B5)
- ___ Inundation Visible on Aerial Imagery (B7)
- ___ Sparsely Vegetated Concave Surface (B8)
- ___ Water-Stained Leaves (B9)
- ___ Aquatic Fauna (B13)
- ___ Marl Deposits (B15)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres on Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ___ Surface Soil Cracks (B6)
- ___ Drainage Patterns (B10)
- ___ Moss Trim Lines (B16)
- ___ Dry-Season 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: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1l09d

VEGETATION : Use scientific names of plants. Sampling Point: D18

Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status
1.			
2.			
3.			
4.			
5.			
6.			
7.			
	0 = Total Cover		

Sapling/Shrub Stratum (Plot size: 15')			
1.			
2.			
3.			
4.			
5.			
6.			
7.			
	0 = Total Cover		

Herb Stratum (Plot size: 5')			
1. Poa pratensis	75	Y	FACU
2. Lolium perenne	15	N	FACU
3. Daucus carota	15	N	FACU
4. Dipsacus fullonum	10	N	FACW
5. Centaurea stoebe	5	N	NL
6. Lotus corniculatus	5	N	FACU
7.			
8.			
9.			
10.			
11.			
12.			
	125 = Total Cover		

Woody Vine Stratum (Plot size: 30')			
1.			
2.			
3.			
4.			
	0 = Total Cover		

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 0 (A)

Total Number of Dominant Species Across All Strata: 1 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 0 (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1 =	0
FACW species	0	x 2 =	0
FAC species	0	x 3 =	0
FACU species	120	x 4 =	480
UPL species	0	x 5 =	0
Column Totals:	120 (A)		480 (B)

Prevalence Index = B/A = 4.0

Hydrophytic Vegetation Indicators:

___ 1 - Rapid Test for Hydrophytic Vegetation

___ 2 - Dominance Test is >50%

___ 3 - Prevalence Index is < 3.0[1]

___ 4 - Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)

___ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Definitions of Vegetation Strata:

Tree - Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft (1 m) tall.

Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vines - All woody vines greater than 3.28 ft in height.

Community Type: Successional old field

Hydrophytic Vegetation Present? Yes ___ No X

Remarks: (Include photo numbers here or on a separate sheet.)

Photo # P18 **Direction of Photo** SW

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1I09d

SOIL

Sampling Point: D18

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-20	10YR 4/2	100					L	

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Dark Surface (S7) (**LRR R, MLRA 149B**)
- ___ Polyvalue Below Surface (S8) (**LRR R, MLRA 149B**)
- ___ Thin Dark Surface (S9) (**LRR R, MLRA 149B**)
- ___ Loamy Mucky Mineral (F1) (**LRR K, L**)
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ___ 2 cm Muck (A10) (**LRR K, L, MLRA 149B**)
- ___ Coast Prairie Redox (A16) (**LRR K, L, R**)
- ___ 5 cm Mucky Peat or Peat (S3) (**LRR K, L, R**)
- ___ Dark Surface (S7) (**LRR K, L, M**)
- ___ Polyvalue Below Surface (S8) (**LRR K, L**)
- ___ Thin Dark Surface (S9) (**LRR K, L**)
- ___ Iron-Manganese Masses (F12) (**LRR K, L, R**)
- ___ Piedmont Floodplain Soils (F19) (**MLRA 149B**)
- ___ Mesic Spodic (TA6) (**MLRA 144A, 145, 149B**)
- ___ Red Parent Material (TF2)
- ___ Very Shallow Dark Surface (TF12)
- ___ Other (Explain in Remarks)

[3] Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: NONE

Depth (inches): N/A

Hydric Soil Present? Yes _____ No X

Remarks:

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1I09d

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: Amherst Central Park Town/County: Amherst/Erie County Sampling Date: 6.5.2023

Applicant/Owner: Town of Amherst State: New York Sampling Point: D19

Investigator(s): Scott Livingstone & Alex Molik Section, Township, Range: 68.01-1-1.2

Landform (hillslope, terrace, etc.): LAKE Plain Local relief (concave, convex, none): CONVEX Slope (%): 3

Subregion (LRR or MLRA) LRRL Lat: 42.98625°N Long: -78.77392°N Datum: NAD83

Soil Map Unit Name: ODESSA SILT LOAM, 0-3% Slopes NW I classification: N/A

Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No _____ (If no, explain in Remarks.)

Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes X No _____

Are Vegetation _____, Soil _____, or Hydrology _____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS : Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes _____	No X	**Is the Sampled Area within a Wetland?** Yes _____ No X
Hydric Soil Present?	Yes _____	No X	
Wetland Hydrology Present?	Yes _____	No X	If yes, optional Wetland Site ID: N/A

Remarks: (Explain alternative procedures here or in a separate report.)

UPLAND SUCCESSIONAL FIELD 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: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1I09d

VEGETATION : Use scientific names of plants.

Sampling Point: D19

Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status
1. Picea glauca	20	Y	FACU
2. Robinia pseudoacacia	15	Y	FACU
3.			
4.			
5.			
6.			
7.			
	35	= Total Cover	

Sapling/Shrub Stratum (Plot size: 15')			
1.			
2.			
3.			
4.			
5.			
6.			
7.			
	0	= Total Cover	

Herb Stratum (Plot size: 5')			
1. Poa pratensis	80	Y	FACU
2. Dactylis glomerata	85	Y	FACU
3. Lolium perenne	10	N	FACU
4.			
5.			
6.			
7.			
8.			
9.			
10.			
11.			
12.			
	115	= Total Cover	

Woody Vine Stratum (Plot size: 30')			
1.			
2.			
3.			
4.			
	0	= Total Cover	

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 0 (A)

Total Number of Dominant Species Across All Strata: 4 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 0 (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1 =	0
FACW species	0	x 2 =	0
FAC species	0	x 3 =	0
FACU species	150	x 4 =	600
UPL species	0	x 5 =	0
Column Totals:	150 (A)		600 (B)

Prevalence Index = B/A = 4.0

Hydrophytic Vegetation Indicators:

___ 1 - Rapid Test for Hydrophytic Vegetation

___ 2 - Dominance Test is >50%

___ 3 - Prevalence Index is < 3.0[1]

___ 4 - Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)

___ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Definitions of Vegetation Strata:

Tree - Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft (1 m) tall.

Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vines - All woody vines greater than 3.28 ft in height.

Community Type: Successional old field

Hydrophytic Vegetation Present? Yes ___ No X

Remarks: (Include photo numbers here or on a separate sheet.)

Photo # P19 **Direction of Photo** S

- Tree line through old field

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1I09d

SOIL

Sampling Point: D19

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-12	10YR4/2	100						
12-20	10YR5/4	70	10YR5/6	15	C	M		
			10YR5/2	15	D	M		

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Dark Surface (S7) (**LRR R, MLRA 149B**)
- ___ Polyvalue Below Surface (S8) (**LRR R, MLRA 149B**)
- ___ Thin Dark Surface (S9) (**LRR R, MLRA 149B**)
- ___ Loamy Mucky Mineral (F1) (**LRR K, L**)
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ___ 2 cm Muck (A10) (**LRR K, L, MLRA 149B**)
- ___ Coast Prairie Redox (A16) (**LRR K, L, R**)
- ___ 5 cm Mucky Peat or Peat (S3) (**LRR K, L, R**)
- ___ Dark Surface (S7) (**LRR K, L, M**)
- ___ Polyvalue Below Surface (S8) (**LRR K, L**)
- ___ Thin Dark Surface (S9) (**LRR K, L**)
- ___ Iron-Manganese Masses (F12) (**LRR K, L, R**)
- ___ Piedmont Floodplain Soils (F19) (**MLRA 149B**)
- ___ Mesic Spodic (TA6) (**MLRA 144A, 145, 149B**)
- ___ Red Parent Material (TF2)
- ___ Very Shallow Dark Surface (TF12)
- ___ Other (Explain in Remarks)

[3] Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: NONE

Depth (inches): N/A

Hydric Soil Present? Yes _____ No X

Remarks:

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1I09d

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: Amherst Central Park Town/County: Amherst/Erie County Sampling Date: 6.5.2023

Applicant/Owner: Town of Amherst State: New York Sampling Point: D20

Investigator(s): Scott Livingstone & Alex Molik Section, Township, Range: 68.01-1-1.2

Landform (hillslope, terrace, etc.): Depression Local relief (concave, convex, none): CONCAVE Slope (%): 0

Subregion (LRR or MLRA) LRRL Lat: 42.98583°N Long: -78.77296°N Datum: NAD83

Soil Map Unit Name: ODESSA SILT LOAM, 0-3% Slopes NWI classification: PSS

Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No ____ (If no, explain in Remarks.)

Are Vegetation ____, Soil ____, or Hydrology ____ significantly disturbed? Are "Normal Circumstances" present? Yes X No ____

Are Vegetation ____, Soil ____, or Hydrology ____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS : Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes X	No ____	**Is the Sampled Area within a Wetland?** Yes X No ____
Hydric Soil Present?	Yes X	No ____	
Wetland Hydrology Present?	Yes X	No ____	If yes, optional Wetland Site ID: W7

Remarks: (Explain alternative procedures here or in a separate report.)

• W7-1 → W7-4 (CLOSED)

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ___ Surface Water (A1)
- ___ High Water Table (A2)
- ___ Saturation (A3)
- ___ Water Marks (B1)
- ___ Sediment Deposits (B2)
- ___ Drift Deposits (B3)
- ___ Algal Mat or Crust (B4)
- ___ Iron Deposits (B5)
- ___ Inundation Visible on Aerial Imagery (B7)
- ___ Sparsely Vegetated Concave Surface (B8)
- X Water-Stained Leaves (B9)
- ___ Aquatic Fauna (B13)
- ___ Marl Deposits (B15)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres on Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ___ Surface Soil Cracks (B6)
- ___ Drainage Patterns (B10)
- ___ Moss Trim Lines (B16)
- ___ Dry-Season Water Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Stunted or Stressed Plants (D1)
- ___ Geomorphic Position (D2)
- ___ Shallow Aquitard (D3)
- ___ Microtopographic Relief (D4)
- ___ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present?	Yes ____	No X	Depth (inches): N/A
Water Table Present?	Yes ____	No X	Depth (inches): N/A
Saturation Present? (includes capillary fringe)	Yes ____	No X	Depth (inches): N/A

Wetland Hydrology Present? Yes X No ____

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1I09d

VEGETATION : Use scientific names of plants.

Sampling Point: D20

Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status
1. Quercus bicolor	10	Y	FACW
2. Quercus palustris	10	Y	FACW
3.			
4.			
5.			
6.			
7.			
	20	= Total Cover	

Sapling/Shrub Stratum (Plot size: 15')			
1. Rhamnus Cathartica	30	Y	FAC
2. Fraxinus pennsylvanica	10	N	FACW
3. Quercus palustris	10	N	FACW
4. Salix discolor	6	N	FACW
5.			
6.			
7.			
	55	= Total Cover	

Herb Stratum (Plot size: 5')			
1. Glyceria striata	15	Y	OBL
2. Rhamnus Cathartica	15	Y	FAC
3. Carex vulpinoidea	5	N	OBL
4.			
5.			
6.			
7.			
8.			
9.			
10.			
11.			
12.			
	35	= Total Cover	

Woody Vine Stratum (Plot size: 30')			
1.			
2.			
3.			
4.			
	0	= Total Cover	

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 5 (A)

Total Number of Dominant Species Across All Strata: 5 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 100 (A/B)

Prevalence Index worksheet:

Total % Cover of:	Multiply by:
OBL species	x 1 =
FACW species	x 2 =
FAC species	x 3 =
FACU species	x 4 =
UPL species	x 5 =
Column Totals: (A)	(B)

Prevalence Index = B/A =

Hydrophytic Vegetation Indicators:

- ___ 1 - Rapid Test for Hydrophytic Vegetation
- X 2 - Dominance Test is >50%
- ___ 3 - Prevalence Index is < 3.0[1]
- ___ 4 - Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)
- ___ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Definitions of Vegetation Strata:

Tree - Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft (1 m) tall.

Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vines - All woody vines greater than 3.28 ft in height.

Community Type: Scrub-shrub Swamp

Hydrophytic Vegetation Present? Yes X No ___

Remarks: (Include photo numbers here or on a separate sheet.)

Photo # P20 **Direction of Photo** W

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1l09d

SOIL

Sampling Point: D20

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-6	7.5YR3/1	85	7.5YR5/8	15	C	M	Sil+	
6-20	7.5YR5/4	90	7.5YR5/6	10	C	M	Sicl	

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Dark Surface (S7) (**LRR R, MLRA 149B**)
- ___ Polyvalue Below Surface (S8) (**LRR R, MLRA 149B**)
- ___ Thin Dark Surface (S9) (**LRR R, MLRA 149B**)
- ___ Loamy Mucky Mineral (F1) (**LRR K, L**)
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- X Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ___ 2 cm Muck (A10) (**LRR K, L, MLRA 149B**)
- ___ Coast Prairie Redox (A16) (**LRR K, L, R**)
- ___ 5 cm Mucky Peat or Peat (S3) (**LRR K, L, R**)
- ___ Dark Surface (S7) (**LRR K, L, M**)
- ___ Polyvalue Below Surface (S8) (**LRR K, L**)
- ___ Thin Dark Surface (S9) (**LRR K, L**)
- ___ Iron-Manganese Masses (F12) (**LRR K, L, R**)
- ___ Piedmont Floodplain Soils (F19) (**MLRA 149B**)
- ___ Mesic Spodic (TA6) (**MLRA 144A, 145, 149B**)
- ___ Red Parent Material (TF2)
- ___ Very Shallow Dark Surface (TF12)
- ___ Other (Explain in Remarks)

[3] Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: NONE

Depth (inches): N/A

Hydric Soil Present? Yes X No ___

Remarks:

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1I09d

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: Amherst Central Park Town/County: Amherst/Erie County Sampling Date: 6-5-2023

Applicant/Owner: Town of Amherst State: New York Sampling Point: D21

Investigator(s): Scott Livingstone & Alex Molik Section, Township, Range: 68.01-1-1.2

Landform (hillslope, terrace, etc.): LAKE Plain Local relief (concave, convex, none): NONE Slope (%): 2

Subregion (LRR or MLRA) LRRL Lat: 42.98574°N Long: -78.77299°W Datum: NAD83

Soil Map Unit Name: ODESSA SILT LOAM, 0-3% Slopes NW I classification: N/A

Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No ____ (If no, explain in Remarks.)

Are Vegetation ____, Soil ____, or Hydrology ____ significantly disturbed? Are "Normal Circumstances" present? Yes X No ____

Are Vegetation ____, Soil ____, or Hydrology ____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS : Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes ____	No X	**Is the Sampled Area within a Wetland?** Yes ____ No X
Hydric Soil Present?	Yes ____	No X	
Wetland Hydrology Present?	Yes ____	No X	If yes, optional Wetland Site ID: N/A

Remarks: (Explain alternative procedures here or in a separate report.)

UPLAND SUCCESSIONAL FIELD

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ___ Surface Water (A1)
- ___ High Water Table (A2)
- ___ Saturation (A3)
- ___ Water Marks (B1)
- ___ Sediment Deposits (B2)
- ___ Drift Deposits (B3)
- ___ Algal Mat or Crust (B4)
- ___ Iron Deposits (B5)
- ___ Inundation Visible on Aerial Imagery (B7)
- ___ Sparsely Vegetated Concave Surface (B8)
- ___ Water-Stained Leaves (B9)
- ___ Aquatic Fauna (B13)
- ___ Marl Deposits (B15)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres on Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ___ Surface Soil Cracks (B6)
- ___ Drainage Patterns (B10)
- ___ Moss Trim Lines (B16)
- ___ Dry-Season 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: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1I09d

VEGETATION : Use scientific names of plants.

Sampling Point: D21

Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status
1. Quercus alba	10	Y	FACU
2.			
3.			
4.			
5.			
6.			
7.			
	10 = Total Cover		

Sapling/Shrub Stratum (Plot size: 15')			
1.			
2.			
3.			
4.			
5.			
6.			
7.			
	0 = Total Cover		

Herb Stratum (Plot size: 5')			
1. Poa pratensis	75	Y	FACU
2. Dactylis glomerata	15	N	FACU
3. Lolium perenne	10	N	FACU
4. Taraxacum officinale	5	N	FACU
5.			
6.			
7.			
8.			
9.			
10.			
11.			
12.			
	105 = Total Cover		

Woody Vine Stratum (Plot size: 30')			
1.			
2.			
3.			
4.			
	0 = Total Cover		

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 0 (A)

Total Number of Dominant Species Across All Strata: 2 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 0 (A/B)

Prevalence Index worksheet:

Total % Cover of:	Multiply by:
OBL species 0	x 1 = 0
FACW species 0	x 2 = 0
FAC species 0	x 3 = 0
FACU species 115	x 4 = 460
UPL species 0	x 5 = 0
Column Totals: 115 (A)	460 (B)

Prevalence Index = B/A = 4.0

Hydrophytic Vegetation Indicators:

__ 1 - Rapid Test for Hydrophytic Vegetation

__ 2 - Dominance Test is >50%

__ 3 - Prevalence Index is < 3.0[1]

__ 4 - Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)

__ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Definitions of Vegetation Strata:

Tree - Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft (1 m) tall.

Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vines - All woody vines greater than 3.28 ft in height.

Community Type: Successional old Field

Hydrophytic Vegetation Present? Yes _____ No X

Remarks: (Include photo numbers here or on a separate sheet.)

Photo # P21 **Direction of Photo** SW

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: WH09d

SOIL

Sampling Point: D21

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-7	7.5YR4/2	100					sicl	
7-20	7.5YR5/4	90	7.5YR5/6	10	C	M	s.c	

[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: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1I09d

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: Amherst Central Park Town/County: Amherst/Erie County Sampling Date: 6.5.2023

Applicant/Owner: Town of Amherst State: New York Sampling Point: DZZ

Investigator(s): Scott Livingstone & Alex Molik Section, Township, Range: 68.01-1-1.2

Landform (hillslope, terrace, etc.): Depression Local relief (concave, convex, none): CONCAVE Slope (%): 0

Subregion (LRR or MLRA) LRRL Lat: 42.985668°N Long: -78.77250°W Datum: NAD83

Soil Map Unit Name: ODESSA SILT LOAM, 0-3% Slopes NWI classification: PFO

Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No ____ (If no, explain in Remarks.)

Are Vegetation ____, Soil ____, or Hydrology ____ significantly disturbed? Are "Normal Circumstances" present? Yes X No ____

Are Vegetation ____, Soil ____, or Hydrology ____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS : Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes X	No ____	**Is the Sampled Area within a Wetland?** Yes X No ____
Hydric Soil Present?	Yes X	No ____	
Wetland Hydrology Present?	Yes X	No ____	If yes, optional Wetland Site ID: WO

Remarks: (Explain alternative procedures here or in a separate report.)

WB-1 → WB-8 (CLOSED)

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ___ Surface Water (A1)
- ___ High Water Table (A2)
- ___ Saturation (A3)
- ___ Water Marks (B1)
- ___ Sediment Deposits (B2)
- ___ Drift Deposits (B3)
- ___ Algal Mat or Crust (B4)
- ___ Iron Deposits (B5)
- ___ Inundation Visible on Aerial Imagery (B7)
- ___ Sparsely Vegetated Concave Surface (B8)
- X Water-Stained Leaves (B9)
- ___ Aquatic Fauna (B13)
- ___ Marl Deposits (B15)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres on Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ___ Surface Soil Cracks (B6)
- ___ Drainage Patterns (B10)
- ___ Moss Trim Lines (B16)
- ___ Dry-Season Water Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Stunted or Stressed Plants (D1)
- ___ Geomorphic Position (D2)
- ___ Shallow Aquitard (D3)
- ___ Microtopographic Relief (D4)
- ___ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present?	Yes ____	No X	Depth (inches): N/A
Water Table Present?	Yes ____	No X	Depth (inches): N/A
Saturation Present? (includes capillary fringe)	Yes ____	No X	Depth (inches): N/A

Wetland Hydrology Present? Yes X No ____

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1l09d

VEGETATION : Use scientific names of plants. Sampling Point: D92

Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status
1. Quercus palustris	7	Y	FACW
2. Acer rubrum	5	Y	FAL
3.			
4.			
5.			
6.			
7.			
	12	= Total Cover	

Sapling/Shrub Stratum (Plot size: 15')			
1. Quercus palustris	45	Y	FACW
2. Fraxinus pennsylvanica	20	Y	FACW
3. Rhamnus cathartica	5	N	FAC
4.			
5.			
6.			
7.			
	70	= Total Cover	

Herb Stratum (Plot size: 5')			
1. Agrostis gigantea	35	Y	FACW
2. Carex molesta	25	Y	FACW
3. Poa pratensis	15	N	FACU
4. Toxicodendron radicans	10	N	FAC
5.			
6.			
7.			
8.			
9.			
10.			
11.			
12.			
	85	= Total Cover	

Woody Vine Stratum (Plot size: 30')			
1.			
2.			
3.			
4.			
	0	= Total Cover	

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 6 (A)

Total Number of Dominant Species Across All Strata: 6 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 100 (A/B)

Prevalence Index worksheet:

Total % Cover of:	Multiply by:
OBL species	x 1 =
FACW species	x 2 =
FAC species	x 3 =
FACU species	x 4 =
UPL species	x 5 =
Column Totals: (A)	(B)

Prevalence Index = B/A =

Hydrophytic Vegetation Indicators:

- ___ 1 - Rapid Test for Hydrophytic Vegetation
- x 2 - Dominance Test is >50%
- ___ 3 - Prevalence Index is < 3.0[1]
- ___ 4 - Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)
- ___ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Definitions of Vegetation Strata:

Tree - Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft (1 m) tall.

Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vines - All woody vines greater than 3.28 ft in height.

Community Type: Scrub-shrub Swamp

Hydrophytic Vegetation Present? Yes x No ___

Remarks: (Include photo numbers here or on a separate sheet.)

Photo # P02 **Direction of Photo** E

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1l09d

SOIL

Sampling Point: D22

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-6	10YR 4/2	85	10YR 5/6	15	C	M	Si L	
6-20	7.5YR 5/4	80	7.5YR 5/6	20	C	M	Si C	

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Dark Surface (S7) (**LRR R, MLRA 149B**)
- ___ Polyvalue Below Surface (S8) (**LRR R, MLRA 149B**)
- ___ Thin Dark Surface (S9) (**LRR R, MLRA 149B**)
- ___ Loamy Mucky Mineral (F1) (**LRR K, L**)
- ___ Loamy Gleyed Matrix (F2)
- X Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ___ 2 cm Muck (A10) (**LRR K, L, MLRA 149B**)
- ___ Coast Prairie Redox (A16) (**LRR K, L, R**)
- ___ 5 cm Mucky Peat or Peat (S3) (**LRR K, L, R**)
- ___ Dark Surface (S7) (**LRR K, L, M**)
- ___ Polyvalue Below Surface (S8) (**LRR K, L**)
- ___ Thin Dark Surface (S9) (**LRR K, L**)
- ___ Iron-Manganese Masses (F12) (**LRR K, L, R**)
- ___ Piedmont Floodplain Soils (F19) (**MLRA 149B**)
- ___ Mesic Spodic (TA6) (**MLRA 144A, 145, 149B**)
- ___ Red Parent Material (TF2)
- ___ Very Shallow Dark Surface (TF12)
- ___ Other (Explain in Remarks)

[3] Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: NONE

Depth (inches): N/A

Hydric Soil Present? Yes X No ___

Remarks:

MARGINAL HYDRIC SOIL

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1I09d

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: Amherst Central Park Town/County: Amherst/Erie County Sampling Date: 6.5.2023

Applicant/Owner: Town of Amherst State: New York Sampling Point: DZ3

Investigator(s): Scott Livingstone & Alex Molik Section, Township, Range: 68.01-1-1.2

Landform (hillslope, terrace, etc.): LAKE PLAIN Local relief (concave, convex, none): CONVEX Slope (%): 2

Subregion (LRR or MLRA) LRRL Lat: 42.98560°N Long: -78.77257°W Datum: NAD83

Soil Map Unit Name: ODESSA SILT LOAM, 0-3% SLOPES 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 SUCCESSIONAL FIELD

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ___ Surface Water (A1)
- ___ High Water Table (A2)
- ___ Saturation (A3)
- ___ Water Marks (B1)
- ___ Sediment Deposits (B2)
- ___ Drift Deposits (B3)
- ___ Algal Mat or Crust (B4)
- ___ Iron Deposits (B5)
- ___ Inundation Visible on Aerial Imagery (B7)
- ___ Sparsely Vegetated Concave Surface (B8)
- ___ Water-Stained Leaves (B9)
- ___ Aquatic Fauna (B13)
- ___ Marl Deposits (B15)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres on Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ___ Surface Soil Cracks (B6)
- ___ Drainage Patterns (B10)
- ___ Moss Trim Lines (B16)
- ___ Dry-Season W ater Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Stunted or Stressed Plants (D1)
- ___ Geomorphic Position (D2)
- ___ Shallow Aquitard (D3)
- ___ Microtopographic Relief (D4)
- ___ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present?	Yes ____	No X	Depth (inches): N/A
Water Table Present?	Yes ____	No X	Depth (inches): N/A
Saturation Present? (includes capillary fringe)	Yes ____	No X	Depth (inches): N/A

Wetland Hydrology Present? Yes ____ No X

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1I09d

VEGETATION : Use scientific names of plants.

Sampling Point: D23

Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status
1. Quercus palustris	5	Y	FACW
2.			
3.			
4.			
5.			
6.			
7.			
	5	= Total Cover	

Sapling/Shrub Stratum (Plot size: 15')			
1. Acer rubrum	12	Y	FAC
2. Robinia pseudoacacia	10	Y	FACU
3. Rhamnus cathartica	5	N	FAC
4.			
5.			
6.			
7.			
	27	= Total Cover	

Herb Stratum (Plot size: 5')			
1. Poa pratensis	40	Y	FACU
2. Glechoma hederacea	15	N	FACU
3. Lolium perenne	15	N	FACU
4. Centaurea stoebe	5	N	NI
5.			
6.			
7.			
8.			
9.			
10.			
11.			
12.			
	95	= Total Cover	

Woody Vine Stratum (Plot size: 30')			
1.			
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: 4 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 50 (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1 =	0
FACW species	5	x 2 =	10
FAC species	17	x 3 =	51
FACU species	100	x 4 =	400
UPL species	0	x 5 =	0
Column Totals:	122 (A)		461 (B)

Prevalence Index = B/A = 3.78

Hydrophytic Vegetation Indicators:

___ 1 - Rapid Test for Hydrophytic Vegetation

___ 2 - Dominance Test is >50%

___ 3 - Prevalence Index is < 3.0[1]

___ 4 - Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)

___ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Definitions of Vegetation Strata:

Tree - Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft (1 m) tall.

Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vines - All woody vines greater than 3.28 ft in height.

Community Type: Successional old field

Hydrophytic Vegetation Present? Yes ___ No X

Remarks: (Include photo numbers here or on a separate sheet.)

Photo # P23 **Direction of Photo** SW

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1I09d

SOIL

Sampling Point: D23

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-20	10YR4/3	90	10YR5/6	10	C	M	L	

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Dark Surface (S7) (**LRR R, MLRA 149B**)
- ___ Polyvalue Below Surface (S8) (**LRR R, MLRA 149B**)
- ___ Thin Dark Surface (S9) (**LRR R, MLRA 149B**)
- ___ Loamy Mucky Mineral (F1) (**LRR K, L**)
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ___ 2 cm Muck (A10) (**LRR K, L, MLRA 149B**)
- ___ Coast Prairie Redox (A16) (**LRR K, L, R**)
- ___ 5 cm Mucky Peat or Peat (S3) (**LRR K, L, R**)
- ___ Dark Surface (S7) (**LRR K, L, M**)
- ___ Polyvalue Below Surface (S8) (**LRR K, L**)
- ___ Thin Dark Surface (S9) (**LRR K, L**)
- ___ Iron-Manganese Masses (F12) (**LRR K, L, R**)
- ___ Piedmont Floodplain Soils (F19) (**MLRA 149B**)
- ___ Mesic Spodic (TA6) (**MLRA 144A, 145, 149B**)
- ___ Red Parent Material (TF2)
- ___ Very Shallow Dark Surface (TF12)
- ___ Other (Explain in Remarks)

[3] Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: NONE

Depth (inches): N/A

Hydric Soil Present? Yes ____ No X

Remarks:

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1l09d

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: Amherst Central Park Town/County: Amherst/Erie County Sampling Date: 6.5.2023

Applicant/Owner: Town of Amherst State: New York Sampling Point: DZ4

Investigator(s): Scott Livingstone & Alex Molik Section, Township, Range: 68.01-1-1.2

Landform (hillslope, terrace, etc.): LAKE Plain Local relief (concave, convex, none): NONE Slope (%): 1

Subregion (LRR or MLRA) LRRL Lat: 42.986180°N Long: -78.771441°W Datum: NAD83

Soil Map Unit Name: ODESSA SILT LOAM, 0-3% SLOPES 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 N/A
Hydric Soil Present?	Yes ____	No X	
Wetland Hydrology Present?	Yes ____	No X	If yes, optional Wetland Site ID: ____

Remarks: (Explain alternative procedures here or in a separate report.)

UPLAND SUCCESSIONAL FIELD

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ___ Surface Water (A1)
- ___ High Water Table (A2)
- ___ Saturation (A3)
- ___ Water Marks (B1)
- ___ Sediment Deposits (B2)
- ___ Drift Deposits (B3)
- ___ Algal Mat or Crust (B4)
- ___ Iron Deposits (B5)
- ___ Inundation Visible on Aerial Imagery (B7)
- ___ Sparsely Vegetated Concave Surface (B8)
- ___ Water-Stained Leaves (B9)
- ___ Aquatic Fauna (B13)
- ___ Marl Deposits (B15)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres on Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ___ Surface Soil Cracks (B6)
- ___ Drainage Patterns (B10)
- ___ Moss Trim Lines (B16)
- ___ Dry-Season W ater Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Stunted or Stressed Plants (D1)
- ___ Geomorphic Position (D2)
- ___ Shallow Aquitard (D3)
- ___ Microtopographic Relief (D4)
- ___ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present?	Yes ____	No X	Depth (inches): N/A
Water Table Present?	Yes ____	No X	Depth (inches): N/A
Saturation Present? (includes capillary fringe)	Yes ____	No X	Depth (inches): N/A

Wetland Hydrology Present? Yes ____ No X

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1109d

VEGETATION : Use scientific names of plants.

Sampling Point: D24

Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status
1. Acer saccharum	15	Y	FACU
2. Aesculus hippocastanum	3	N	NI
3. Acer rubrum	3	N	FAC
4.			
5.			
6.			
7.			
	21	= Total Cover	

Sapling/Shrub Stratum (Plot size: 15')			
1.			
2.			
3.			
4.			
5.			
6.			
7.			
	0	= Total Cover	

Herb Stratum (Plot size: 5')			
1. Poa pratensis	55	Y	FACU
2. Dactylis glomerata	30	Y	FACU
3. Taraxacum officinale	15	N	FACU
4. Lolium perenne	10	N	FACU
5. Glechoma hederacea	5	N	FACU
6.			
7.			
8.			
9.			
10.			
11.			
12.			
	115	= Total Cover	

Woody Vine Stratum (Plot size: 30')			
1.			
2.			
3.			
4.			
	0	= Total Cover	

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: _____ (A)

Total Number of Dominant Species Across All Strata: _____ (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: _____ (A/B)

Prevalence Index worksheet:

Total % Cover of:	Multiply by:
OBL species	x 1 =
FACW species	x 2 =
FAC species	x 3 =
FACU species	x 4 =
UPL species	x 5 =
Column Totals: (A)	(B)

Prevalence Index = B/A = _____

Hydrophytic Vegetation Indicators:

__ 1 - Rapid Test for Hydrophytic Vegetation

__ 2 - Dominance Test is >50%

__ 3 - Prevalence Index is < 3.0[1]

__ 4 - Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)

__ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Definitions of Vegetation Strata:

Tree - Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft (1 m) tall.

Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vines - All woody vines greater than 3.28 ft in height.

Community Type: Successional old field

Hydrophytic Vegetation Present? Yes _____ No X

Remarks: (Include photo numbers here or on a separate sheet.)

Photo # P24 **Direction of Photo** S

- Tree line within old field

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1I09d

SOIL

Sampling Point: DZ4

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-6	10YR4/2	100					l	
6-20	10YR4/4	100					l	

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Dark Surface (S7) (**LRR R, MLRA 149B**)
- ___ Polyvalue Below Surface (S8) (**LRR R, MLRA 149B**)
- ___ Thin Dark Surface (S9) (**LRR R, MLRA 149B**)
- ___ Loamy Mucky Mineral (F1) (**LRR K, L**)
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ___ 2 cm Muck (A10) (**LRR K, L, MLRA 149B**)
- ___ Coast Prairie Redox (A16) (**LRR K, L, R**)
- ___ 5 cm Mucky Peat or Peat (S3) (**LRR K, L, R**)
- ___ Dark Surface (S7) (**LRR K, L, M**)
- ___ Polyvalue Below Surface (S8) (**LRR K, L**)
- ___ Thin Dark Surface (S9) (**LRR K, L**)
- ___ Iron-Manganese Masses (F12) (**LRR K, L, R**)
- ___ Piedmont Floodplain Soils (F19) (**MLRA 149B**)
- ___ Mesic Spodic (TA6) (**MLRA 144A, 145, 149B**)
- ___ Red Parent Material (TF2)
- ___ Very Shallow Dark Surface (TF12)
- ___ Other (Explain in Remarks)

[3] Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: NONE

Depth (inches): N/A

Hydric Soil Present? Yes _____ No X

Remarks:

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1I09d

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: Amherst Central Park Town/County: Amherst/Erie County Sampling Date: 6.5.2023

Applicant/Owner: Town of Amherst State: New York Sampling Point: D25

Investigator(s): Scott Livingstone & Alex Molik Section, Township, Range: 68.01-1-1.2

Landform (hillslope, terrace, etc.): LAKE Plain Local relief (concave, convex, none): NONE Slope (%): 2-1

Subregion (LRR or MLRA) LRRL Lat: 42.98424°N Long: -78.77823°N Datum: NAD83

Soil Map Unit Name: COSAD LOAMY FINE SAND NW I classification: PFO

Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No _____ (If no, explain in Remarks.)

Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes X No _____

Are Vegetation _____, Soil _____, or Hydrology _____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS : Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes X	No _____	**Is the Sampled Area within a Wetland?** Yes X No _____
Hydric Soil Present?	Yes X	No _____	
Wetland Hydrology Present?	Yes X	No _____	If yes, optional Wetland Site ID: W9

Remarks: (Explain alternative procedures here or in a separate report.)

• W9-1 → W9-25 (CLOSED)

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ___ Surface Water (A1)
- ___ High Water Table (A2)
- ___ Saturation (A3)
- ___ Water Marks (B1)
- ___ Sediment Deposits (B2)
- ___ Drift Deposits (B3)
- ___ Algal Mat or Crust (B4)
- ___ Iron Deposits (B5)
- ___ Inundation Visible on Aerial Imagery (B7)
- ___ Sparsely Vegetated Concave Surface (B8)
- X Water-Stained Leaves (B9)
- ___ Aquatic Fauna (B13)
- ___ Marl Deposits (B15)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres on Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ___ Surface Soil Cracks (B6)
- ___ Drainage Patterns (B10)
- ___ Moss Trim Lines (B16)
- ___ Dry-Season W ater Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Stunted or Stressed Plants (D1)
- ___ Geomorphic Position (D2)
- ___ Shallow Aquitard (D3)
- ___ Microtopographic Relief (D4)
- ___ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present?	Yes ___	No X	Depth (inches): _____
Water Table Present?	Yes ___	No X	Depth (inches): _____
Saturation Present? (includes capillary fringe)	Yes ___	No X	Depth (inches): _____

Wetland Hydrology Present? Yes X No _____

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

VEGETATION : Use scientific names of plants.

Sampling Point: D25

Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status
1. Populus deltoides	20	Y	FAC
2.			
3.			
4.			
5.			
6.			
7.			
	20	= Total Cover	

Sapling/Shrub Stratum (Plot size: 15')			
1. Rhamnus cathartica	70	Y	FAC
2.			
3.			
4.			
5.			
6.			
7.			
	70	= Total Cover	

Herb Stratum (Plot size: 5')			
1. Rhamnus Cathartica	25	Y	FAC
2. Carex blanda	20	Y	FAC
3. Toxicodendron radicans	10	N	FAC
4.			
5.			
6.			
7.			
8.			
9.			
10.			
11.			
12.			
	55	= Total Cover	

Woody Vine Stratum (Plot size: 30')			
1. Vitis aestivalis	20	Y	FACU
2.			
3.			
4.			
	20	= Total Cover	

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 4 (A)

Total Number of Dominant Species Across All Strata: 5 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 80 (A/B)

Prevalence Index worksheet:

Total % Cover of:	Multiply by:
OBL species	x 1 =
FACW species	x 2 =
FAC species	x 3 =
FACU species	x 4 =
UPL species	x 5 =
Column Totals: (A)	(B)

Prevalence Index = B/A =

Hydrophytic Vegetation Indicators:

- ___ 1 - Rapid Test for Hydrophytic Vegetation
- X 2 - Dominance Test is >50%
- ___ 3 - Prevalence Index is < 3.0[1]
- ___ 4 - Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)
- ___ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Definitions of Vegetation Strata:

Tree - Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft (1 m) tall.

Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vines - All woody vines greater than 3.28 ft in height.

Community Type: Scrub-shrub swamp

Hydrophytic Vegetation Present? Yes X No ___

Remarks: (Include photo numbers here or on a separate sheet.)

Photo # P 25 **Direction of Photo** NW

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1I09d

SOIL

Sampling Point: DZ5

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-5	10YR4/1	90	10YR5/8	10	C	M	S.L	
5-20	10YR5/2	85	10YR5/8	15	C	M	S.L	

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Dark Surface (S7) (**LRR R, MLRA 149B**)
- ___ Polyvalue Below Surface (S8) (**LRR R, MLRA 149B**)
- ___ Thin Dark Surface (S9) (**LRR R, MLRA 149B**)
- ___ Loamy Mucky Mineral (F1) (**LRR K, L**)
- ___ Loamy Gleyed Matrix (F2)
- X Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ___ 2 cm Muck (A10) (**LRR K, L, MLRA 149B**)
- ___ Coast Prairie Redox (A16) (**LRR K, L, R**)
- ___ 5 cm Mucky Peat or Peat (S3) (**LRR K, L, R**)
- ___ Dark Surface (S7) (**LRR K, L, M**)
- ___ Polyvalue Below Surface (S8) (**LRR K, L**)
- ___ Thin Dark Surface (S9) (**LRR K, L**)
- ___ Iron-Manganese Masses (F12) (**LRR K, L, R**)
- ___ Piedmont Floodplain Soils (F19) (**MLRA 149B**)
- ___ Mesic Spodic (TA6) (**MLRA 144A, 145, 149B**)
- ___ Red Parent Material (TF2)
- ___ Very Shallow Dark Surface (TF12)
- ___ Other (Explain in Remarks)

[3] Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: NONE

Depth (inches): N/A

Hydric Soil Present? Yes X No ___

Remarks:

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1I09d

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: Amherst Central Park Town/County: Amherst/Erie County Sampling Date: 6.5.2023

Applicant/Owner: Town of Amherst State: New York Sampling Point: D26

Investigator(s): Scott Livingstone & Alex Molik Section, Township, Range: 68.01-1-1.2

Landform (hillslope, terrace, etc.): FILL PAD Local relief (concave, convex, none): CONVEX Slope (%): 5

Subregion (LRR or MLRA) LRRL Lat: 42.984240°N Long: -78.773240°W Datum: NAD83

Soil Map Unit Name: COSAD LOAMY FINE SAND NWI classification: N/D

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 FILL PAD

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ___ Surface Water (A1)
- ___ High Water Table (A2)
- ___ Saturation (A3)
- ___ Water Marks (B1)
- ___ Sediment Deposits (B2)
- ___ Drift Deposits (B3)
- ___ Algal Mat or Crust (B4)
- ___ Iron Deposits (B5)
- ___ Inundation Visible on Aerial Imagery (B7)
- ___ Sparsely Vegetated Concave Surface (B8)
- ___ Water-Stained Leaves (B9)
- ___ Aquatic Fauna (B13)
- ___ Marl Deposits (B15)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres on Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ___ Surface Soil Cracks (B6)
- ___ Drainage Patterns (B10)
- ___ Moss Trim Lines (B16)
- ___ Dry-Season W ater Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Stunted or Stressed Plants (D1)
- ___ Geomorphic Position (D2)
- ___ Shallow Aquitard (D3)
- ___ Microtopographic Relief (D4)
- ___ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present?	Yes ____	No X	Depth (inches): N/A
Water Table Present?	Yes ____	No X	Depth (inches): N/A
Saturation Present? (includes capillary fringe)	Yes ____	No X	Depth (inches): N/A

Wetland Hydrology Present? Yes ____ No X

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1I09d

VEGETATION : Use scientific names of plants.

Sampling Point: D26

Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status
1.			
2.			
3.			
4.			
5.			
6.			
7.			
	0 = Total Cover		
Sapling/Shrub Stratum (Plot size: 15')			
1. Rhamnus Cathartica	20	Y	FAC
2.			
3.			
4.			
5.			
6.			
7.			
	20 = Total Cover		
Herb Stratum (Plot size: 5')			
1. Urtica dioica	60	Y	FAC
2. Rhamnus cathartica	20	Y	FAC
3. Centaurea Stoebe	5	N	NI
4.			
5.			
6.			
7.			
8.			
9.			
10.			
11.			
12.			
	85 = Total Cover		
Woody Vine Stratum (Plot size: 30')			
1. Vitis aestivalis	40	Y	FACW
2.			
3.			
4.			
	40 = Total Cover		

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 3 (A)

Total Number of Dominant Species Across All Strata: 4 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 75 (A/B)

Prevalence Index worksheet:

Total % Cover of:	Multiply by:
OBL species 0	x 1 = 0
FACW species 0	x 2 = 0
FAC species 100	x 3 = 300
FACU species 40	x 4 = 160
UPL species 0	x 5 = 0
Column Totals: 140 (A)	460 (B)

Prevalence Index = B/A = 3.23

Hydrophytic Vegetation Indicators:

___ 1 - Rapid Test for Hydrophytic Vegetation

___ 2 - Dominance Test is >50%

___ 3 - Prevalence Index is < 3.0[1]

___ 4 - Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)

___ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Definitions of Vegetation Strata:

Tree - Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft (1 m) tall.

Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vines - All woody vines greater than 3.28 ft in height.

Community Type: Successional Shrubland

Hydrophytic Vegetation Present? Yes ___ No X

Remarks: (Include photo numbers here or on a separate sheet.)

Photo # D26 **Direction of Photo** S

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

SOIL

Sampling Point: D26

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-20	10YR 4/1	100					Sil	TOPSOIL Fill

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Dark Surface (S7) (**LRR R, MLRA 149B**)
- ___ Polyvalue Below Surface (S8) (**LRR R, MLRA 149B**)
- ___ Thin Dark Surface (S9) (**LRR R, MLRA 149B**)
- ___ Loamy Mucky Mineral (F1) (**LRR K, L**)
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ___ 2 cm Muck (A10) (**LRR K, L, MLRA 149B**)
- ___ Coast Prairie Redox (A16) (**LRR K, L, R**)
- ___ 5 cm Mucky Peat or Peat (S3) (**LRR K, L, R**)
- ___ Dark Surface (S7) (**LRR K, L, M**)
- ___ Polyvalue Below Surface (S8) (**LRR K, L**)
- ___ Thin Dark Surface (S9) (**LRR K, L**)
- ___ Iron-Manganese Masses (F12) (**LRR K, L, R**)
- ___ Piedmont Floodplain Soils (F19) (**MLRA 149B**)
- ___ Mesic Spodic (TA6) (**MLRA 144A, 145, 149B**)
- ___ Red Parent Material (TF2)
- ___ Very Shallow Dark Surface (TF12)
- ___ Other (Explain in Remarks)

[3] Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: NONE

Depth (inches): N/A

Hydric Soil Present? Yes _____ No X

Remarks:

OLD TOPSOIL PILE

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1I09d

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: Amherst Central Park Town/County: Amherst/Erie County Sampling Date: 6-5-2023

Applicant/Owner: Town of Amherst State: New York Sampling Point: D27

Investigator(s): Scott Livingstone & Alex Molik Section, Township, Range: 68.01-1-1.2

Landform (hillslope, terrace, etc.): LAKEPlain Local relief (concave, convex, none): CONVEX Slope (%): 2

Subregion (LRR or MLRA) LRRL Lat: 42.98491°N Long: -78.77495°W Datum: NAD83

Soil Map Unit Name: COSAD LOAMY FINE SAND 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 SUCCESSIONAL FIELD

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ___ Surface Water (A1)
- ___ High Water Table (A2)
- ___ Saturation (A3)
- ___ Water Marks (B1)
- ___ Sediment Deposits (B2)
- ___ Drift Deposits (B3)
- ___ Algal Mat or Crust (B4)
- ___ Iron Deposits (B5)
- ___ Inundation Visible on Aerial Imagery (B7)
- ___ Sparsely Vegetated Concave Surface (B8)
- ___ Water-Stained Leaves (B9)
- ___ Aquatic Fauna (B13)
- ___ Marl Deposits (B15)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres on Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ___ Surface Soil Cracks (B6)
- ___ Drainage Patterns (B10)
- ___ Moss Trim Lines (B16)
- ___ Dry-Season 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: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

VEGETATION : Use scientific names of plants.

Sampling Point: D27

Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status
1. Quercus palustris	15	Y	FACW
2. Robinia pseudoacacia	15	Y	FACU
3.			
4.			
5.			
6.			
7.			
	30	= Total Cover	

Sapling/Shrub Stratum (Plot size: 15')			
1.			
2.			
3.			
4.			
5.			
6.			
7.			
	0	= Total Cover	

Herb Stratum (Plot size: 5')			
1. Poa pratensis	65	Y	FACU
2. Dactylis glomerata	20	N	FACU
3. Trifolium repens	10	N	FACU
4. Taraxacum officinale	10	N	FACU
5. Lolium perenne	5	N	FACU
6.			
7.			
8.			
9.			
10.			
11.			
12.			
	110	= Total Cover	

Woody Vine Stratum (Plot size: 30')			
1.			
2.			
3.			
4.			
	0	= Total Cover	

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 1 (A)

Total Number of Dominant Species Across All Strata: 3 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 33 (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1 =	0
FACW species	15	x 2 =	30
FAC species	0	x 3 =	0
FACU species	125	x 4 =	500
UPL species	0	x 5 =	0
Column Totals:	140 (A)		530 (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 old field

Hydrophytic Vegetation Present? Yes ____ No X

Remarks: (Include photo numbers here or on a separate sheet.)

Photo # P27 **Direction of Photo** S

-Tree line within old field

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1I09d

SOIL

Sampling Point: D27

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-6	10YR4/3	100					L	
6-20	10YR5/4	100					L	

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Dark Surface (S7) **(LRR R, MLRA 149B)**
- ___ Polyvalue Below Surface (S8) **(LRR R, MLRA 149B)**
- ___ Thin Dark Surface (S9) **(LRR R, MLRA 149B)**
- ___ Loamy Mucky Mineral (F1) **(LRR K, L)**
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ___ 2 cm Muck (A10) **(LRR K, L, MLRA 149B)**
- ___ Coast Prairie Redox (A16) **(LRR K, L, R)**
- ___ 5 cm Mucky Peat or Peat (S3) **(LRR K, L, R)**
- ___ Dark Surface (S7) **(LRR K, L, M)**
- ___ Polyvalue Below Surface (S8) **(LRR K, L)**
- ___ Thin Dark Surface (S9) **(LRR K, L)**
- ___ Iron-Manganese Masses (F12) **(LRR K, L, R)**
- ___ Piedmont Floodplain Soils (F19) **(MLRA 149B)**
- ___ Mesic Spodic (TA6) **(MLRA 144A, 145, 149B)**
- ___ Red Parent Material (TF2)
- ___ Very Shallow Dark Surface (TF12)
- ___ Other (Explain in Remarks)

[3] Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: NONE

Depth (inches): N/A

Hydric Soil Present? Yes _____ No X

Remarks:

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1I09d

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: Amherst Central Park Town/County: Amherst/Erie County Sampling Date: 6.5.2023

Applicant/Owner: Town of Amherst State: New York Sampling Point: D28

Investigator(s): Scott Livingstone & Alex Molik Section, Township, Range: 68.01-1-1.2

Landform (hillslope, terrace, etc.): LAKE PLAIN Local relief (concave, convex, none): NONE Slope (%): 1

Subregion (LRR or MLRA) LRRL Lat: 42.98542°N Long: -78.77529°W Datum: NAD83

Soil Map Unit Name: ODESSA SILT LOAM, 0-3% SLOPES NW I classification: N/A

Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No ____ (If no, explain in Remarks.)

Are Vegetation ____, Soil ____, or Hydrology ____ significantly disturbed? Are "Normal Circumstances" present? Yes X No ____

Are Vegetation ____, Soil ____, or Hydrology ____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS : Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes ____	No X	**Is the Sampled Area within a Wetland?** Yes ____ No X
Hydric Soil Present?	Yes ____	No X	
Wetland Hydrology Present?	Yes ____	No X	If yes, optional Wetland Site ID: N/A

Remarks: (Explain alternative procedures here or in a separate report.)

UPLAND SUCCESSIONAL FIELD

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ___ Surface Water (A1)
- ___ High Water Table (A2)
- ___ Saturation (A3)
- ___ Water Marks (B1)
- ___ Sediment Deposits (B2)
- ___ Drift Deposits (B3)
- ___ Algal Mat or Crust (B4)
- ___ Iron Deposits (B5)
- ___ Inundation Visible on Aerial Imagery (B7)
- ___ Sparsely Vegetated Concave Surface (B8)
- ___ Water-Stained Leaves (B9)
- ___ Aquatic Fauna (B13)
- ___ Marl Deposits (B15)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres on Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ___ Surface Soil Cracks (B6)
- ___ Drainage Patterns (B10)
- ___ Moss Trim Lines (B16)
- ___ Dry-Season W ater Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Stunted or Stressed Plants (D1)
- ___ Geomorphic Position (D2)
- ___ Shallow Aquitard (D3)
- ___ Microtopographic Relief (D4)
- ___ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present?	Yes ____	No X	Depth (inches): N/A
Water Table Present?	Yes ____	No X	Depth (inches): N/A
Saturation Present? (includes capillary fringe)	Yes ____	No X	Depth (inches): N/A

Wetland Hydrology Present? Yes ____ No X

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

VEGETATION : Use scientific names of plants. Sampling Point: D28

Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status
1. Acer Saccharinum	15	Y	FACW
2.			
3.			
4.			
5.			
6.			
7.			
	15 = Total Cover		

Sapling/Shrub Stratum (Plot size: 15')			
1.			
2.			
3.			
4.			
5.			
6.			
7.			
	0 = Total Cover		

Herb Stratum (Plot size: 5')			
1. Poa pratensis	70	Y	FACU
2. Dactylis glomerata	25	Y	FACU
3. Lolium perenne	15	N	FACU
4. Taraxacum officinale	5	N	FACU
5.			
6.			
7.			
8.			
9.			
10.			
11.			
12.			
	115 = Total Cover		

Woody Vine Stratum (Plot size: 30')			
1.			
2.			
3.			
4.			
	0 = Total Cover		

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 1 (A)

Total Number of Dominant Species Across All Strata: 3 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 33 (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1 =	0
FACW species	15	x 2 =	30
FAC species	0	x 3 =	0
FACU species	115	x 4 =	460
UPL species	0	x 5 =	0
Column Totals:	130 (A)		490 (B)

Prevalence Index = B/A = 3.77

Hydrophytic Vegetation Indicators:

___ 1 - Rapid Test for Hydrophytic Vegetation

___ 2 - Dominance Test is >50%

___ 3 - Prevalence Index is < 3.0[1]

___ 4 - Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)

___ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Definitions of Vegetation Strata:

Tree - Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft (1 m) tall.

Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vines - All woody vines greater than 3.28 ft in height.

Community Type: Successional old field

Hydrophytic Vegetation Present? Yes ___ No X

Remarks: (Include photo numbers here or on a separate sheet.)

Photo # 28 **Direction of Photo** N

- Tree line within old field

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1l09d

SOIL

Sampling Point: D28

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-5	7.5YR4/3	100					Sil	
5-20	7.5YR5/4	100					SiC	

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Dark Surface (S7) (**LRR R, MLRA 149B**)
- ___ Polyvalue Below Surface (S8) (**LRR R, MLRA 149B**)
- ___ Thin Dark Surface (S9) (**LRR R, MLRA 149B**)
- ___ Loamy Mucky Mineral (F1) (**LRR K, L**)
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ___ 2 cm Muck (A10) (**LRR K, L, MLRA 149B**)
- ___ Coast Prairie Redox (A16) (**LRR K, L, R**)
- ___ 5 cm Mucky Peat or Peat (S3) (**LRR K, L, R**)
- ___ Dark Surface (S7) (**LRR K, L, M**)
- ___ Polyvalue Below Surface (S8) (**LRR K, L**)
- ___ Thin Dark Surface (S9) (**LRR K, L**)
- ___ Iron-Manganese Masses (F12) (**LRR K, L, R**)
- ___ Piedmont Floodplain Soils (F19) (**MLRA 149B**)
- ___ Mesic Spodic (TA6) (**MLRA 144A, 145, 149B**)
- ___ Red Parent Material (TF2)
- ___ Very Shallow Dark Surface (TF12)
- ___ Other (Explain in Remarks)

[3] Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: NONE

Depth (inches): N/A

Hydric Soil Present? Yes _____ No X

Remarks:

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1I09d

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: Amherst Central Park Town/County: Amherst/Erie County Sampling Date: 6.6.2023

Applicant/Owner: Town of Amherst State: New York Sampling Point: D29

Investigator(s): Scott Livingstone & Alex Molik Section, Township, Range: 68.01-1-1.2

Landform (hillslope, terrace, etc.): LAKE PLAIN Local relief (concave, convex, none): CONVEX Slope (%): 3

Subregion (LRR or MLRA) LRRL Lat: 42.981430°N Long: -78.769210°W Datum: NAD83

Soil Map Unit Name: SCHOHARIE SILT LOAM, 3-8% 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	If yes, optional Wetland Site ID: N/A
Wetland Hydrology Present?	Yes ____	No X	

Remarks: (Explain alternative procedures here or in a separate report.)

UPLAND SUCCESSIONAL FIELD

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ___ Surface Water (A1)
- ___ High Water Table (A2)
- ___ Saturation (A3)
- ___ Water Marks (B1)
- ___ Sediment Deposits (B2)
- ___ Drift Deposits (B3)
- ___ Algal Mat or Crust (B4)
- ___ Iron Deposits (B5)
- ___ Inundation Visible on Aerial Imagery (B7)
- ___ Sparsely Vegetated Concave Surface (B8)
- ___ Water-Stained Leaves (B9)
- ___ Aquatic Fauna (B13)
- ___ Marl Deposits (B15)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres on Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ___ Surface Soil Cracks (B6)
- ___ Drainage Patterns (B10)
- ___ Moss Trim Lines (B16)
- ___ Dry-Season W ater Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Stunted or Stressed Plants (D1)
- ___ Geomorphic Position (D2)
- ___ Shallow Aquitard (D3)
- ___ Microtopographic Relief (D4)
- ___ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present?	Yes ____	No X	Depth (inches): N/A
Water Table Present?	Yes ____	No X	Depth (inches): N/A
Saturation Present? (includes capillary fringe)	Yes ____	No X	Depth (inches): N/A

Wetland Hydrology Present? Yes ____ No X

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1I09d

VEGETATION : Use scientific names of plants.

Sampling Point: D29

Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status
1.			
2.			
3.			
4.			
5.			
6.			
7.			
	0 = Total Cover		

Sapling/Shrub Stratum (Plot size: 15')			
1.			
2.			
3.			
4.			
5.			
6.			
7.			
	0 = Total Cover		

Herb Stratum (Plot size: 5')			
1. Poa pratensis	60	Y	FACU
2. Dactylis glomerata	40	Y	FACU
3. Trifolium repens	15	N	FACU
4. Taraxacum officinale	10	N	FACU
5. Lotus corniculatus	5	N	FACU
6.			
7.			
8.			
9.			
10.			
11.			
12.			
	130 = Total Cover		

Woody Vine Stratum (Plot size: 30')			
1.			
2.			
3.			
4.			
	0 = Total Cover		

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 0 (A)

Total Number of Dominant Species Across All Strata: 2 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 0 (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1 =	0
FACW species	0	x 2 =	0
FAC species	0	x 3 =	0
FACU species	130	x 4 =	520
UPL species	0	x 5 =	0
Column Totals:	130 (A)		520 (B)

Prevalence Index = B/A = 4.0

Hydrophytic Vegetation Indicators:

___ 1 - Rapid Test for Hydrophytic Vegetation

___ 2 - Dominance Test is >50%

___ 3 - Prevalence Index is < 3.0[1]

___ 4 - Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)

___ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Definitions of Vegetation Strata:

Tree - Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft (1 m) tall.

Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vines - All woody vines greater than 3.28 ft in height.

Community Type: Successional old field

Hydrophytic Vegetation Present? Yes _____ No X

Remarks: (Include photo numbers here or on a separate sheet.)

Photo # 229 **Direction of Photo** W

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1I09d

SOIL

Sampling Point: D29

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-6	7.5YR4/2	100					SiL+	
6-20	7.5YR5/6	100					SiC	

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Dark Surface (S7) (**LRR R, MLRA 149B**)
- ___ Polyvalue Below Surface (S8) (**LRR R, MLRA 149B**)
- ___ Thin Dark Surface (S9) (**LRR R, MLRA 149B**)
- ___ Loamy Mucky Mineral (F1) (**LRR K, L**)
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ___ 2 cm Muck (A10) (**LRR K, L, MLRA 149B**)
- ___ Coast Prairie Redox (A16) (**LRR K, L, R**)
- ___ 5 cm Mucky Peat or Peat (S3) (**LRR K, L, R**)
- ___ Dark Surface (S7) (**LRR K, L, M**)
- ___ Polyvalue Below Surface (S8) (**LRR K, L**)
- ___ Thin Dark Surface (S9) (**LRR K, L**)
- ___ Iron-Manganese Masses (F12) (**LRR K, L, R**)
- ___ Piedmont Floodplain Soils (F19) (**MLRA 149B**)
- ___ Mesic Spodic (TA6) (**MLRA 144A, 145, 149B**)
- ___ Red Parent Material (TF2)
- ___ Very Shallow Dark Surface (TF12)
- ___ Other (Explain in Remarks)

[3] Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: NONE

Depth (inches): N/A

Hydric Soil Present? Yes _____ No X

Remarks:

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1l09d

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: Amherst Central Park Town/County: Amherst/Erie County Sampling Date: 6.6.2023

Applicant/Owner: Town of Amherst State: New York Sampling Point: D30

Investigator(s): Scott Livingstone & Alex Molik Section, Township, Range: 68.01-1-1.2

Landform (hillslope, terrace, etc.): Floodplain Local relief (concave, convex, none): CONCAVE Slope (%): <1

Subregion (LRR or MLRA) LRRL Lat: 42.983818°N Long: -78.770260°N Datum: NAD83

Soil Map Unit Name: WATER NWI classification: PEM

Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No _____ (If no, explain in Remarks.)

Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes X No _____

Are Vegetation _____, Soil _____, or Hydrology _____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS : Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes X	No _____	**Is the Sampled Area within a Wetland?** Yes X No _____
Hydric Soil Present?	Yes X	No _____	
Wetland Hydrology Present?	Yes X	No _____	If yes, optional Wetland Site ID: W55

Remarks: (Explain alternative procedures here or in a separate report.)

- WI-1 → WI-55 (OPEN)
- ELLICOTT CREEK OVERFLOW CHANNEL

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ___ Surface Water (A1)
- ___ High Water Table (A2)
- X Saturation (A3)
- ___ Water Marks (B1)
- ___ Sediment Deposits (B2)
- ___ Drift Deposits (B3)
- ___ Algal Mat or Crust (B4)
- ___ Iron Deposits (B5)
- X Inundation Visible on Aerial Imagery (B7)
- ___ Sparsely Vegetated Concave Surface (B8)
- X Water-Stained Leaves (B9)
- ___ Aquatic Fauna (B13)
- ___ Marl Deposits (B15)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres on Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ___ Surface Soil Cracks (B6)
- ___ Drainage Patterns (B10)
- ___ Moss Trim Lines (B16)
- ___ Dry-Season W ater Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Stunted or Stressed Plants (D1)
- ___ Geomorphic Position (D2)
- ___ Shallow Aquitard (D3)
- ___ Microtopographic Relief (D4)
- ___ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present?	Yes _____	No X	Depth (inches): N/A
Water Table Present?	Yes _____	No X	Depth (inches): N/A
Saturation Present? (includes capillary fringe)	Yes X	No _____	Depth (inches): SURFACE

Wetland Hydrology Present? Yes _____ No _____

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1l09d

VEGETATION : Use scientific names of plants.

Sampling Point: D30

Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status
1. Salix nigra	30	Y	OBL
2.			
3.			
4.			
5.			
6.			
7.			
	30	= Total Cover	

Sapling/Shrub Stratum (Plot size: 15')			
1. Rhamnus Cathartica	15	Y	FAC
2. Salix discolor	5	Y	FACW
3.			
4.			
5.			
6.			
7.			
	20	= Total Cover	

Herb Stratum (Plot size: 5')			
1. Sagittaria latifolia	35	Y	OBL
2. Lysimachia nummularia	20	Y	FACW
3. Lythrum salicaria	15	N	OBL
4. Typha x glauca	10	N	OBL
5. Glyceria striata	5	N	OBL
6.			
7.			
8.			
9.			
10.			
11.			
12.			
	85	= Total Cover	

Woody Vine Stratum (Plot size: 30')			
1.			
2.			
3.			
4.			
	0	= Total Cover	

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 5 (A)

Total Number of Dominant Species Across All Strata: 5 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 100 (A/B)

Prevalence Index worksheet:

Total % Cover of:	Multiply by:
OBL species	x 1 =
FACW species	x 2 =
FAC species	x 3 =
FACU species	x 4 =
UPL species	x 5 =
Column Totals: (A)	(B)

Prevalence Index = B/A =

Hydrophytic Vegetation Indicators:

- ___ 1 - Rapid Test for Hydrophytic Vegetation
- X 2 - Dominance Test is >50%
- ___ 3 - Prevalence Index is < 3.0[1]
- ___ 4 - Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)
- ___ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Definitions of Vegetation Strata:

Tree - Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft (1 m) tall.

Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vines - All woody vines greater than 3.28 ft in height.

Community Type: Shallow Emergent Marsh

Hydrophytic Vegetation Present? Yes X No ___

Remarks: (Include photo numbers here or on a separate sheet.)

Photo # P30 **Direction of Photo** E

- Stream bank

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: WH09d

SOIL

Sampling Point: D30

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-20	10YR 2/1	98	10YR 5/8	2	C	M	mucky	

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Dark Surface (S7) **(LRR R, MLRA 149B)**
- ___ Polyvalue Below Surface (S8) **(LRR R, MLRA 149B)**
- ___ Thin Dark Surface (S9) **(LRR R, MLRA 149B)**
- ___ Loamy Mucky Mineral (F1) **(LRR K, L)**
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- X Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ___ 2 cm Muck (A10) **(LRR K, L, MLRA 149B)**
- ___ Coast Prairie Redox (A16) **(LRR K, L, R)**
- ___ 5 cm Mucky Peat or Peat (S3) **(LRR K, L, R)**
- ___ Dark Surface (S7) **(LRR K, L, M)**
- ___ Polyvalue Below Surface (S8) **(LRR K, L)**
- ___ Thin Dark Surface (S9) **(LRR K, L)**
- ___ Iron-Manganese Masses (F12) **(LRR K, L, R)**
- ___ Piedmont Floodplain Soils (F19) **(MLRA 149B)**
- ___ Mesic Spodic (TA6) **(MLRA 144A, 145, 149B)**
- ___ Red Parent Material (TF2)
- ___ Very Shallow Dark Surface (TF12)
- ___ Other (Explain in Remarks)

[3] Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: NONE

Depth (inches): N/A

Hydric Soil Present? Yes X No ___

Remarks:

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1l09d

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: Amherst Central Park Town/County: Amherst/Erie County Sampling Date: 6.6.2023

Applicant/Owner: Town of Amherst State: New York Sampling Point: D31

Investigator(s): Scott Livingstone & Alex Molik Section, Township, Range: 68.01-1-1.2

Landform (hillslope, terrace, etc.): Hillslope Local relief (concave, convex, none): CONVEX Slope (%): 20

Subregion (LRR or MLRA) LRRL Lat: 42.98373°N Long: -78.77043°W Datum: NAD83

Soil Map Unit Name: SCHOHARIE SILT LOAM, 3-8% 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 SUCCESSIONAL FIELD

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ___ Surface Water (A1)
- ___ High Water Table (A2)
- ___ Saturation (A3)
- ___ Water Marks (B1)
- ___ Sediment Deposits (B2)
- ___ Drift Deposits (B3)
- ___ Algal Mat or Crust (B4)
- ___ Iron Deposits (B5)
- ___ Inundation Visible on Aerial Imagery (B7)
- ___ Sparsely Vegetated Concave Surface (B8)
- ___ Water-Stained Leaves (B9)
- ___ Aquatic Fauna (B13)
- ___ Marl Deposits (B15)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres on Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ___ Surface Soil Cracks (B6)
- ___ Drainage Patterns (B10)
- ___ Moss Trim Lines (B16)
- ___ Dry-Season W ater Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Stunted or Stressed Plants (D1)
- ___ Geomorphic Position (D2)
- ___ Shallow Aquitard (D3)
- ___ Microtopographic Relief (D4)
- ___ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present?	Yes ____	No X	Depth (inches): N/A
Water Table Present?	Yes ____	No X	Depth (inches): N/A
Saturation Present? (includes capillary fringe)	Yes ____	No X	Depth (inches): N/A

Wetland Hydrology Present? Yes ____ No X

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

VEGETATION : Use scientific names of plants.

Sampling Point: D31

Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status
1.			
2.			
3.			
4.			
5.			
6.			
7.			
	0 = Total Cover		

Sapling/Shrub Stratum (Plot size: 15')			
1.			
2.			
3.			
4.			
5.			
6.			
7.			
	0 = Total Cover		

Herb Stratum (Plot size: 5')			
1. Dactylis glomerata	55	Y	FACU
2. Poa pratensis	40	Y	FACU
3. Lolium perenne	15	N	FACU
4. Phalaris arundinacea	10	N	FACW
5.			
6.			
7.			
8.			
9.			
10.			
11.			
12.			
	120 = Total Cover		

Woody Vine Stratum (Plot size: 30')			
1.			
2.			
3.			
4.			
	0 = Total Cover		

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 0 (A)

Total Number of Dominant Species Across All Strata: 2 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 0 (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1 =	0
FACW species	10	x 2 =	20
FAC species	0	x 3 =	0
FACU species	110	x 4 =	440
UPL species	0	x 5 =	0
Column Totals:	120 (A)		460 (B)

Prevalence Index = B/A = 3.83

Hydrophytic Vegetation Indicators:

___ 1 - Rapid Test for Hydrophytic Vegetation

___ 2 - Dominance Test is >50%

___ 3 - Prevalence Index is < 3.0[1]

___ 4 - Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)

___ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Definitions of Vegetation Strata:

Tree - Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft (1 m) tall.

Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vines - All woody vines greater than 3.28 ft in height.

Community Type: Successional old field

Hydrophytic Vegetation Present? Yes ____ No X

Remarks: (Include photo numbers here or on a separate sheet.)

Photo # P31 **Direction of Photo** SW

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1I09d

SOIL

Sampling Point: D31

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-20	10YR4/3	100					L	

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Dark Surface (S7) (**LRR R, MLRA 149B**)
- ___ Polyvalue Below Surface (S8) (**LRR R, MLRA 149B**)
- ___ Thin Dark Surface (S9) (**LRR R, MLRA 149B**)
- ___ Loamy Mucky Mineral (F1) (**LRR K, L**)
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ___ 2 cm Muck (A10) (**LRR K, L, MLRA 149B**)
- ___ Coast Prairie Redox (A16) (**LRR K, L, R**)
- ___ 5 cm Mucky Peat or Peat (S3) (**LRR K, L, R**)
- ___ Dark Surface (S7) (**LRR K, L, M**)
- ___ Polyvalue Below Surface (S8) (**LRR K, L**)
- ___ Thin Dark Surface (S9) (**LRR K, L**)
- ___ Iron-Manganese Masses (F12) (**LRR K, L, R**)
- ___ Piedmont Floodplain Soils (F19) (**MLRA 149B**)
- ___ Mesic Spodic (TA6) (**MLRA 144A, 145, 149B**)
- ___ Red Parent Material (TF2)
- ___ Very Shallow Dark Surface (TF12)
- ___ Other (Explain in Remarks)

[3] Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: NONE

Depth (inches): N/A

Hydric Soil Present? Yes _____ No X

Remarks:

APPEARS TO BE FILL MATERIAL

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1I09d

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: Amherst Central Park Town/County: Amherst/Erie County Sampling Date: 6-6-2023

Applicant/Owner: Town of Amherst State: New York Sampling Point: D32

Investigator(s): Scott Livingstone & Alex Molik Section, Township, Range: 68.01-1-1.2

Landform (hillslope, terrace, etc.): Floodplain Local relief (concave, convex, none): CONVEX Slope (%): 5

Subregion (LRR or MLRA) LRRL Lat: 42.984928 N Long: -78.769480 W Datum: NAD83

Soil Map Unit Name: SCHOHARIE SILT LOAM, 3-8% NWI classification: N/A

Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No ____ (If no, explain in Remarks.)

Are Vegetation ____, Soil ____, or Hydrology ____ significantly disturbed? Are "Normal Circumstances" present? Yes X No ____

Are Vegetation ____, Soil ____, or Hydrology ____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS : Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes ____	No X	**Is the Sampled Area within a Wetland?** Yes ____ No X
Hydric Soil Present?	Yes ____	No X	
Wetland Hydrology Present?	Yes ____	No X	If yes, optional Wetland Site ID: N/A

Remarks: (Explain alternative procedures here or in a separate report.)

UPLAND WOODS

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ___ Surface Water (A1)
- ___ High Water Table (A2)
- ___ Saturation (A3)
- ___ Water Marks (B1)
- ___ Sediment Deposits (B2)
- ___ Drift Deposits (B3)
- ___ Algal Mat or Crust (B4)
- ___ Iron Deposits (B5)
- ___ Inundation Visible on Aerial Imagery (B7)
- ___ Sparsely Vegetated Concave Surface (B8)
- ___ Water-Stained Leaves (B9)
- ___ Aquatic Fauna (B13)
- ___ Marl Deposits (B15)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres on Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ___ Surface Soil Cracks (B6)
- ___ Drainage Patterns (B10)
- ___ Moss Trim Lines (B16)
- ___ Dry-Season 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: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1109d

VEGETATION : Use scientific names of plants. Sampling Point: D32

Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status
1. Salix fragilis	15	Y	FAC
2. Fraxinus americana	10	Y	FACW
3.			
4.			
5.			
6.			
7.			
	25	= Total Cover	

Sapling/Shrub Stratum (Plot size: 15')			
1. Rhamnus cathartica	35	Y	FAC
2. Fraxinus americana	20	Y	FACW
3.			
4.			
5.			
6.			
7.			
	55	= Total Cover	

Herb Stratum (Plot size: 5')			
1. Ranunculus ficaria	50	Y	FACW
2. Parthenocissus quinquefolia	20	Y	FACU
3. Rhamnus cathartica	10	N	FAC
4. Ageratina altissima	10	N	FACU
5.			
6.			
7.			
8.			
9.			
10.			
11.			
12.			
	90	= Total Cover	

Woody Vine Stratum (Plot size: 30')			
1. Vitis aestivalis	10	Y	FACU
2.			
3.			
4.			
	10	= Total Cover	

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 3 (A)

Total Number of Dominant Species Across All Strata: 7 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 42.9 (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1 =	0
FACW species	50	x 2 =	100
FAC species	60	x 3 =	180
FACU species	70	x 4 =	280
UPL species	0	x 5 =	0
Column Totals:	180 (A)		560 (B)

Prevalence Index = B/A = 3.11

Hydrophytic Vegetation Indicators:

__ 1 - Rapid Test for Hydrophytic Vegetation

__ 2 - Dominance Test is >50%

__ 3 - Prevalence Index is < 3.0[1]

__ 4 - Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)

__ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Definitions of Vegetation Strata:

Tree - Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft (1 m) tall.

Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vines - All woody vines greater than 3.28 ft in height.

Community Type: Successional Shrubland

Hydrophytic Vegetation Present? Yes ____ No X

Remarks: (Include photo numbers here or on a separate sheet.)

Photo # P33 **Direction of Photo** NW

- shrubland alongside Creek

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1109d

SOIL

Sampling Point: D32

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-5	10YR4/2	100					SiL	
5-20	10YR4/4	100					SiL	

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Dark Surface (S7) (**LRR R, MLRA 149B**)
- ___ Polyvalue Below Surface (S8) (**LRR R, MLRA 149B**)
- ___ Thin Dark Surface (S9) (**LRR R, MLRA 149B**)
- ___ Loamy Mucky Mineral (F1) (**LRR K, L**)
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ___ 2 cm Muck (A10) (**LRR K, L, MLRA 149B**)
- ___ Coast Prairie Redox (A16) (**LRR K, L, R**)
- ___ 5 cm Mucky Peat or Peat (S3) (**LRR K, L, R**)
- ___ Dark Surface (S7) (**LRR K, L, M**)
- ___ Polyvalue Below Surface (S8) (**LRR K, L**)
- ___ Thin Dark Surface (S9) (**LRR K, L**)
- ___ Iron-Manganese Masses (F12) (**LRR K, L, R**)
- ___ Piedmont Floodplain Soils (F19) (**MLRA 149B**)
- ___ Mesic Spodic (TA6) (**MLRA 144A, 145, 149B**)
- ___ Red Parent Material (TF2)
- ___ Very Shallow Dark Surface (TF12)
- ___ Other (Explain in Remarks)

[3] Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: NONE

Depth (inches): N/A

Hydric Soil Present? Yes _____ No X

Remarks:

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1l09d

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: Amherst Central Park Town/County: Amherst/Erie County Sampling Date: 6.6.2023

Applicant/Owner: Town of Amherst State: New York Sampling Point: D33

Investigator(s): Scott Livingstone & Alex Molik Section, Township, Range: 68.01-1-1.2

Landform (hillslope, terrace, etc.): Fill PAD Local relief (concave, convex, none): CONVEX Slope (%): 2

Subregion (LRR or MLRA) LRRL Lat: 42.985460°N Long: -78.769780°W Datum: NAD83

Soil Map Unit Name: SCHOHARIE SILT LOAM, 3-8% NWI classification: N/A

Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No ____ (If no, explain in Remarks.)

Are Vegetation ____, Soil X, or Hydrology ____ significantly disturbed? Are "Normal Circumstances" present? Yes X No ____

Are Vegetation ____, Soil ____, or Hydrology ____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS : Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes ____	No X	**Is the Sampled Area within a Wetland?** Yes ____ No X
Hydric Soil Present?	Yes ____	No X	
Wetland Hydrology Present?	Yes ____	No X	If yes, optional Wetland Site ID: N/A

Remarks: (Explain alternative procedures here or in a separate report.)

UPLAND FILL PAD / SUCCESSIONAL FIELD

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ___ Surface Water (A1)
- ___ High Water Table (A2)
- ___ Saturation (A3)
- ___ Water Marks (B1)
- ___ Sediment Deposits (B2)
- ___ Drift Deposits (B3)
- ___ Algal Mat or Crust (B4)
- ___ Iron Deposits (B5)
- ___ Inundation Visible on Aerial Imagery (B7)
- ___ Sparsely Vegetated Concave Surface (B8)
- ___ Water-Stained Leaves (B9)
- ___ Aquatic Fauna (B13)
- ___ Marl Deposits (B15)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres on Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ___ Surface Soil Cracks (B6)
- ___ Drainage Patterns (B10)
- ___ Moss Trim Lines (B16)
- ___ Dry-Season W ater Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Stunted or Stressed Plants (D1)
- ___ Geomorphic Position (D2)
- ___ Shallow Aquitard (D3)
- ___ Microtopographic Relief (D4)
- ___ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present?	Yes ____	No X	Depth (inches): N/A
Water Table Present?	Yes ____	No X	Depth (inches): N/A
Saturation Present? (includes capillary fringe)	Yes ____	No X	Depth (inches): N/A

Wetland Hydrology Present? Yes ____ No X

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1I09d

VEGETATION : Use scientific names of plants.

Sampling Point: D33

Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status
1.			
2.			
3.			
4.			
5.			
6.			
7.			
	0 = Total Cover		

Sapling/Shrub Stratum (Plot size: 15')			
1.			
2.			
3.			
4.			
5.			
6.			
7.			
	0 = Total Cover		

Herb Stratum (Plot size: 5')			
1. Poa pratensis	45	Y	FACU
2. Dactylis glomerata	25	Y	FACU
3. Lolium perenne	20	Y	FACU
4. Vicia cracca	10	N	NI
5. Phalaris arundinacea	5	N	FACW
6.			
7.			
8.			
9.			
10.			
11.			
12.			
	95 = Total Cover		

Woody Vine Stratum (Plot size: 30')			
1.			
2.			
3.			
4.			
	0 = Total Cover		

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 6 (A)

Total Number of Dominant Species Across All Strata: 2 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 0 (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1 =	0
FACW species	5	x 2 =	10
FAC species	0	x 3 =	0
FACU species	90	x 4 =	360
UPL species	0	x 5 =	0
Column Totals:	95 (A)		370 (B)

Prevalence Index = B/A = 3.89

Hydrophytic Vegetation Indicators:

___ 1 - Rapid Test for Hydrophytic Vegetation

___ 2 - Dominance Test is >50%

___ 3 - Prevalence Index is < 3.0[1]

___ 4 - Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)

___ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Definitions of Vegetation Strata:

Tree - Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft (1 m) tall.

Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vines - All woody vines greater than 3.28 ft in height.

Community Type: Successional old field

Hydrophytic Vegetation Present? Yes ___ No X

Remarks: (Include photo numbers here or on a separate sheet.)

Photo # P34 **Direction of Photo** N

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1l09d

SOIL

Sampling Point: D33

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-5	7.5YR 4/3	100					Sicl	Fill

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Dark Surface (S7) (**LRR R, MLRA 149B**)
- ___ Polyvalue Below Surface (S8) (**LRR R, MLRA 149B**)
- ___ Thin Dark Surface (S9) (**LRR R, MLRA 149B**)
- ___ Loamy Mucky Mineral (F1) (**LRR K, L**)
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ___ 2 cm Muck (A10) (**LRR K, L, MLRA 149B**)
- ___ Coast Prairie Redox (A16) (**LRR K, L, R**)
- ___ 5 cm Mucky Peat or Peat (S3) (**LRR K, L, R**)
- ___ Dark Surface (S7) (**LRR K, L, M**)
- ___ Polyvalue Below Surface (S8) (**LRR K, L**)
- ___ Thin Dark Surface (S9) (**LRR K, L**)
- ___ Iron-Manganese Masses (F12) (**LRR K, L, R**)
- ___ Piedmont Floodplain Soils (F19) (**MLRA 149B**)
- ___ Mesic Spodic (TA6) (**MLRA 144A, 145, 149B**)
- ___ Red Parent Material (TF2)
- ___ Very Shallow Dark Surface (TF12)
- ___ Other (Explain in Remarks)

[3] Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: HARD Fill

Depth (inches): 5"

Hydric Soil Present? Yes ____ No X

Remarks:

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1109d

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: Amherst Central Park Town/County: Amherst/Erie County Sampling Date: 6.6.2023

Applicant/Owner: Town of Amherst State: New York Sampling Point: A34

Investigator(s): Scott Livingstone & Alex Molik Section, Township, Range: 68.01-1-1.2

Landform (hillslope, terrace, etc.): Fill PAD Local relief (concave, convex, none): CONVEX Slope (%): 10

Subregion (LRR or MLRA) LRRL Lat: 42.98411°N Long: -78.76981°W Datum: NAD83

Soil Map Unit Name: SCHOHARIE SILT LOAM, 3-8% NWI classification: N/A

Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No ____ (If no, explain in Remarks.)

Are Vegetation ____, Soil X, or Hydrology ____ significantly disturbed? Are "Normal Circumstances" present? Yes X No ____

Are Vegetation ____, Soil ____, or Hydrology ____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS : Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present? Yes ____ No X

Hydric Soil Present? Yes ____ No X

Wetland Hydrology Present? Yes ____ No X

Is the Sampled Area within a Wetland? Yes ____ No X

If yes, optional Wetland Site ID: ____

Remarks: (Explain alternative procedures here or in a separate report.)

- UPLAND FILL PAD
- FORMER ISLAND GOLF GREEN

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: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1I09d

VEGETATION : Use scientific names of plants. Sampling Point: D34

Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status
1. Platanus occidentalis	15	Y	FACW
2.			
3.			
4.			
5.			
6.			
7.			
	15 = Total Cover		

Sapling/Shrub Stratum (Plot size: 15')			
1.			
2.			
3.			
4.			
5.			
6.			
7.			
	0 = Total Cover		

Herb Stratum (Plot size: 5')			
1. Dipsacus fullonum	70	Y	FACW
2. Dactylis glomerata	35	Y	FACU
3. Poa pratensis	15	N	FACU
4. Ranunculus ficaria	10	N	FACW
5.			
6.			
7.			
8.			
9.			
10.			
11.			
12.			
	120 = Total Cover		

Woody Vine Stratum (Plot size: 30')			
1.			
2.			
3.			
4.			
	0 = Total Cover		

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 1 (A)

Total Number of Dominant Species Across All Strata: 3 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 33 (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1 =	0
FACW species	25	x 2 =	50
FAC species	0	x 3 =	0
FACU species	110	x 4 =	440
UPL species	0	x 5 =	0
Column Totals:	135 (A)		490 (B)

Prevalence Index = B/A = 3.63

Hydrophytic Vegetation Indicators:

__ 1 - Rapid Test for Hydrophytic Vegetation

__ 2 - Dominance Test is >50%

__ 3 - Prevalence Index is < 3.0[1]

__ 4 - Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)

__ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Definitions of Vegetation Strata:

Tree - Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft (1 m) tall.

Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vines - All woody vines greater than 3.28 ft in height.

Community Type: Successional old field

Hydrophytic Vegetation Present? Yes ____ No X

Remarks: (Include photo numbers here or on a separate sheet.)

Photo # P35 **Direction of Photo** W

- old Island green from golf course

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: WH09d

SOIL

Sampling Point: D34

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-20	10YR 4/3	100					SiL	F:11

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Dark Surface (S7) (**LRR R, MLRA 149B**)
- ___ Polyvalue Below Surface (S8) (**LRR R, MLRA 149B**)
- ___ Thin Dark Surface (S9) (**LRR R, MLRA 149B**)
- ___ Loamy Mucky Mineral (F1) (**LRR K, L**)
- ___ Loamy Gleyed Matrix (F2)
- ___ 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: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1I09d

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: Amherst Central Park Town/County: Amherst/Erie County Sampling Date: 6·6·2023

Applicant/Owner: Town of Amherst State: New York Sampling Point: D35

Investigator(s): Scott Livingstone & Alex Molik Section, Township, Range: 68.01-1-1.2

Landform (hillslope, terrace, etc.): LAKE PLAIN Local relief (concave, convex, none): CONVEX Slope (%): 3

Subregion (LRR or MLRA) LRRL Lat: 42.96315°N Long: -78.77096°W Datum: NAD83

Soil Map Unit Name: Teel Silt Loam NW I classification: N/A

Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No ____ (If no, explain in Remarks.)

Are Vegetation ____, Soil ____, or Hydrology ____ significantly disturbed? Are "Normal Circumstances" present? Yes X No ____

Are Vegetation ____, Soil ____, or Hydrology ____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS : Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes ____	No X	**Is the Sampled Area within a Wetland?** Yes ____ No X
Hydric Soil Present?	Yes ____	No X	
Wetland Hydrology Present?	Yes ____	No X	If yes, optional Wetland Site ID: N/A

Remarks: (Explain alternative procedures here or in a separate report.)

UPLAND SUCCESSIONAL FIELD 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: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1I09d

VEGETATION : Use scientific names of plants.

Sampling Point: D35

Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status
1. Salix fragilis	15	Y	FACW
2. Acer saccharum	10	Y	FACU
3.			
4.			
5.			
6.			
7.			
	25	= Total Cover	

Sapling/Shrub Stratum (Plot size: 15')			
1.			
2.			
3.			
4.			
5.			
6.			
7.			
	0	= Total Cover	

Herb Stratum (Plot size: 5')			
1. Dactylis glomerata	60	Y	FACU
2. Poa pratensis	40	Y	FACU
3. Trifolium repens	15	N	FACU
4. Toxicodendron radicans	5	N	FAC
5. Dipsacus fullonum	5	N	FACU
6.			
7.			
8.			
9.			
10.			
11.			
12.			
	125	= Total Cover	

Woody Vine Stratum (Plot size: 30')			
1.			
2.			
3.			
4.			
	0	= Total Cover	

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 1 (A)

Total Number of Dominant Species Across All Strata: 4 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 25 (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1 =	0
FACW species	0	x 2 =	0
FAC species	20	x 3 =	60
FACU species	130	x 4 =	520
UPL species	0	x 5 =	0
Column Totals:	150 (A)		580 (B)

Prevalence Index = B/A = 3.87

Hydrophytic Vegetation Indicators:

__ 1 - Rapid Test for Hydrophytic Vegetation

__ 2 - Dominance Test is >50%

__ 3 - Prevalence Index is < 3.0[1]

__ 4 - Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)

__ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Definitions of Vegetation Strata:

Tree - Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft (1 m) tall.

Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vines - All woody vines greater than 3.28 ft in height.

Community Type: Successional old field

Hydrophytic Vegetation Present? Yes ____ No X

Remarks: (Include photo numbers here or on a separate sheet.)

Photo # P37 **Direction of Photo** S

- Tree line within old field

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1109d

SOIL

Sampling Point: D35

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-7	10YR4/3	100					SiL	
7-20	10YR4/4	95	10YR5/6	5	C	M	SiL	

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Dark Surface (S7) (**LRR R, MLRA 149B**)
- ___ Polyvalue Below Surface (S8) (**LRR R, MLRA 149B**)
- ___ Thin Dark Surface (S9) (**LRR R, MLRA 149B**)
- ___ Loamy Mucky Mineral (F1) (**LRR K, L**)
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ 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: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1I09d

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: Amherst Central Park Town/County: Amherst/Erie County Sampling Date: 6.6.2023

Applicant/Owner: Town of Amherst State: New York Sampling Point: D36

Investigator(s): Scott Livingstone & Alex Molik Section, Township, Range: 68.01-1-1.2

Landform (hillslope, terrace, etc.): LAKE Plain Local relief (concave, convex, none): CONVEX Slope (%): 3

Subregion (LRR or MLRA) LRRL Lat: 42.98166°N Long: -78.77019°W Datum: NAD83

Soil Map Unit Name: Teel Silt loam NW I classification: N/A

Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No ____ (If no, explain in Remarks.)

Are Vegetation ____, Soil ____, or Hydrology ____ significantly disturbed? Are "Normal Circumstances" present? Yes X No ____

Are Vegetation ____, Soil ____, or Hydrology ____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS : Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes ____	No X	**Is the Sampled Area within a Wetland?** Yes ____ No X
Hydric Soil Present?	Yes ____	No X	
Wetland Hydrology Present?	Yes ____	No X	If yes, optional Wetland Site ID: N/A

Remarks: (Explain alternative procedures here or in a separate report.)

UPLAND SUCCESSIONAL FIELD 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: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1I09d

VEGETATION : Use scientific names of plants.

Sampling Point: D36

Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status
1. Pinus resinosa	15	Y	FACU
2. Acer Saccharum	5	Y	FACU
3.			
4.			
5.			
6.			
7.			
	20	= Total Cover	

Sapling/Shrub Stratum (Plot size: 15')			
1.			
2.			
3.			
4.			
5.			
6.			
7.			
	0	= Total Cover	

Herb Stratum (Plot size: 5')			
1. Dactylis glomerata	70	Y	FACU
2. Poa pratensis	35	Y	FACU
3. Dipsacus fullonum	15	N	FACU
4. Taraxacum officinale	5	N	FACU
5.			
6.			
7.			
8.			
9.			
10.			
11.			
12.			
	125	= Total Cover	

Woody Vine Stratum (Plot size: 30')			
1.			
2.			
3.			
4.			
	0	= Total Cover	

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 0 (A)

Total Number of Dominant Species Across All Strata: 4 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 0 (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1 =	0
FACW species	0	x 2 =	0
FAC species	0	x 3 =	0
FACU species	145	x 4 =	580
UPL species	0	x 5 =	0
Column Totals:	145 (A)		580 (B)

Prevalence Index = B/A = 4.0

Hydrophytic Vegetation Indicators:

___ 1 - Rapid Test for Hydrophytic Vegetation

___ 2 - Dominance Test is >50%

___ 3 - Prevalence Index is < 3.0[1]

___ 4 - Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)

___ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Definitions of Vegetation Strata:

Tree - Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft (1 m) tall.

Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vines - All woody vines greater than 3.28 ft in height.

Community Type: Successional old field

Hydrophytic Vegetation Present? Yes ____ No X

Remarks: (Include photo numbers here or on a separate sheet.)

Photo # P38 **Direction of Photo** S

- Tree line within old field

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1109d

SOIL

Sampling Point: D36

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-20	7.5YR 4/2	100					L	

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Dark Surface (S7) (**LRR R, MLRA 149B**)
- ___ Polyvalue Below Surface (S8) (**LRR R, MLRA 149B**)
- ___ Thin Dark Surface (S9) (**LRR R, MLRA 149B**)
- ___ Loamy Mucky Mineral (F1) (**LRR K, L**)
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ___ 2 cm Muck (A10) (**LRR K, L, MLRA 149B**)
- ___ Coast Prairie Redox (A16) (**LRR K, L, R**)
- ___ 5 cm Mucky Peat or Peat (S3) (**LRR K, L, R**)
- ___ Dark Surface (S7) (**LRR K, L, M**)
- ___ Polyvalue Below Surface (S8) (**LRR K, L**)
- ___ Thin Dark Surface (S9) (**LRR K, L**)
- ___ Iron-Manganese Masses (F12) (**LRR K, L, R**)
- ___ Piedmont Floodplain Soils (F19) (**MLRA 149B**)
- ___ Mesic Spodic (TA6) (**MLRA 144A, 145, 149B**)
- ___ Red Parent Material (TF2)
- ___ Very Shallow Dark Surface (TF12)
- ___ Other (Explain in Remarks)

[3] Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: NONE

Depth (inches): N/A

Hydric Soil Present? Yes _____ No X

Remarks:

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1I09d

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: Amherst Central Park Town/County: Amherst/Erie County Sampling Date: 6.6.2023

Applicant/Owner: Town of Amherst State: New York Sampling Point: D37

Investigator(s): Scott Livingstone & Alex Molik Section, Township, Range: 68.01-1-1.2

Landform (hillslope, terrace, etc.): FILL PAD Local relief (concave, convex, none): CONVEX Slope (%): 2

Subregion (LRR or MLRA) LRRL Lat: 42.981490°N Long: -78.771165°W Datum: NAD83

Soil Map Unit Name: CLAVERACK LOAMY FINE SAND, 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 X, or Hydrology ____ significantly disturbed? Are "Normal Circumstances" present? Yes X No ____

Are Vegetation ____, Soil ____, or Hydrology ____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS : Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes ____	No X	**Is the Sampled Area within a Wetland?** Yes ____ No X
Hydric Soil Present?	Yes ____	No X	
Wetland Hydrology Present?	Yes ____	No X	If yes, optional Wetland Site ID: N/A

Remarks: (Explain alternative procedures here or in a separate report.)

- UPLAND SUCCESSIONAL FIELD WITH TREES
- OLD FILL

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: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

VEGETATION : Use scientific names of plants. Sampling Point: D37

Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status
1. Pinus resinosa	25	Y	FACU
2. Acer Saccharum	15	Y	FACU
3. Acer Saccharinum	5	N	FACW
4.			
5.			
6.			
7.			
	45	= Total Cover	

Sapling/Shrub Stratum (Plot size: 15')			
1.			
2.			
3.			
4.			
5.			
6.			
7.			
	0	= Total Cover	

Herb Stratum (Plot size: 5')			
1. Poa pratensis	55	Y	FACU
2. Dactylis glomerata	35	Y	FACU
3. Taraxacum officinale	15	N	FACU
4. Rhamnus cathartica	5	N	FAC
5.			
6.			
7.			
8.			
9.			
10.			
11.			
12.			
	110	= Total Cover	

Woody Vine Stratum (Plot size: 30')			
1.			
2.			
3.			
4.			
	0	= Total Cover	

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 0 (A)

Total Number of Dominant Species Across All Strata: 4 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 0 (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1 =	0
FACW species	5	x 2 =	10
FAC species	5	x 3 =	15
FACU species	145	x 4 =	580
UPL species	0	x 5 =	0
Column Totals:	155 (A)		605 (B)

Prevalence Index = B/A = 3.90

Hydrophytic Vegetation Indicators:

___ 1 - Rapid Test for Hydrophytic Vegetation

___ 2 - Dominance Test is >50%

___ 3 - Prevalence Index is < 3.0[1]

___ 4 - Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)

___ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Definitions of Vegetation Strata:

Tree - Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft (1 m) tall.

Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vines - All woody vines greater than 3.28 ft in height.

Community Type: Successional old field

Hydrophytic Vegetation Present? Yes ____ No X

Remarks: (Include photo numbers here or on a separate sheet.)

Photo # P39 **Direction of Photo** NW

- Tree line within old field

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1I09d

SOIL

Sampling Point: D37

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-4	10YR 4/1	100					grl	Fill

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Dark Surface (S7) (**LRR R, MLRA 149B**)
- ___ Polyvalue Below Surface (S8) (**LRR R, MLRA 149B**)
- ___ Thin Dark Surface (S9) (**LRR R, MLRA 149B**)
- ___ Loamy Mucky Mineral (F1) (**LRR K, L**)
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ___ 2 cm Muck (A10) (**LRR K, L, MLRA 149B**)
- ___ Coast Prairie Redox (A16) (**LRR K, L, R**)
- ___ 5 cm Mucky Peat or Peat (S3) (**LRR K, L, R**)
- ___ Dark Surface (S7) (**LRR K, L, M**)
- ___ Polyvalue Below Surface (S8) (**LRR K, L**)
- ___ Thin Dark Surface (S9) (**LRR K, L**)
- ___ Iron-Manganese Masses (F12) (**LRR K, L, R**)
- ___ Piedmont Floodplain Soils (F19) (**MLRA 149B**)
- ___ Mesic Spodic (TA6) (**MLRA 144A, 145, 149B**)
- ___ Red Parent Material (TF2)
- ___ Very Shallow Dark Surface (TF12)
- ___ Other (Explain in Remarks)

[3] Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: HARD FZL

Depth (inches): 4"

Hydric Soil Present? Yes ____ No X

Remarks:

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1I09d

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: Amherst Central Park Town/County: Amherst/Erie County Sampling Date: 6.6.2023

Applicant/Owner: Town of Amherst State: New York Sampling Point: D38

Investigator(s): Scott Livingstone & Alex Molik Section, Township, Range: 68.01-1-1.2

Landform (hillslope, terrace, etc.): LAKE PLAIN Local relief (concave, convex, none): CONVEX Slope (%): 3

Subregion (LRR or MLRA) LRRL Lat: 42.979882° N Long: -78.776000°W Datum: NAD83

Soil Map Unit Name: LAKEMONT SILT LOAM, 0-3% NW I classification: N/A

Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No _____ (If no, explain in Remarks.)

Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes X No _____

Are Vegetation _____, Soil _____, or Hydrology _____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS : Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes _____	No X	**Is the Sampled Area within a Wetland?** Yes _____ No X
Hydric Soil Present?	Yes _____	No X	
Wetland Hydrology Present?	Yes _____	No X	If yes, optional Wetland Site ID: N/A

Remarks: (Explain alternative procedures here or in a separate report.)

UPLAND SUCCESSIONAL FIELD 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 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: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1I09d

VEGETATION : Use scientific names of plants.

Sampling Point: D38

Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status
1. Fraxinus americana	15	Y	FACU
2.			
3.			
4.			
5.			
6.			
7.			
	15	= Total Cover	

Sapling/Shrub Stratum (Plot size: 15')			
1.			
2.			
3.			
4.			
5.			
6.			
7.			
	0	= Total Cover	

Herb Stratum (Plot size: 5')			
1. Poa pratensis	65	Y	FACU
2. Dactylis glomerata	25	Y	FACU
3. Lolium perenne	10	N	FACU
4. Taraxacum officinale	5	N	FACU
5.			
6.			
7.			
8.			
9.			
10.			
11.			
12.			
	105	= Total Cover	

Woody Vine Stratum (Plot size: 30')			
1.			
2.			
3.			
4.			
	0	= Total Cover	

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 0 (A)

Total Number of Dominant Species Across All Strata: 3 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 0 (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1 =	0
FACW species	0	x 2 =	0
FAC species	0	x 3 =	0
FACU species	120	x 4 =	480
UPL species	0	x 5 =	0
Column Totals:	120 (A)		480 (B)

Prevalence Index = B/A = 4.0

Hydrophytic Vegetation Indicators:

- ___ 1 - Rapid Test for Hydrophytic Vegetation
- ___ 2 - Dominance Test is >50%
- ___ 3 - Prevalence Index is < 3.0[1]
- ___ 4 - Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)
- ___ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Definitions of Vegetation Strata:

Tree - Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft (1 m) tall.

Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vines - All woody vines greater than 3.28 ft in height.

Community Type: Successional old field

Hydrophytic Vegetation Present? Yes ___ No X

Remarks: (Include photo numbers here or on a separate sheet.)

Photo # PH 0 **Direction of Photo** N

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1109d

SOIL

Sampling Point: D38

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-20	7.5YR 4/2	100					grl	

[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: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1I09d

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: Amherst Central Park Town/County: Amherst/Erie County Sampling Date: 6-6-2023

Applicant/Owner: Town of Amherst State: New York Sampling Point: D39

Investigator(s): Scott Livingstone & Alex Molik Section, Township, Range: 68.01-1-1.2

Landform (hillslope, terrace, etc.): POND Local relief (concave, convex, none): CONCAVE Slope (%): Ø

Subregion (LRR or MLRA) LRRL Lat: 42.97881°N Long: -78.77185°W Datum: NAD83

Soil Map Unit Name: CLAVERACK LOAMY FINE SAND, 0-3 NWI classification: POW

Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No ____ (If no, explain in Remarks.)

Are Vegetation ____, Soil ____, or Hydrology ____ significantly disturbed? Are "Normal Circumstances" present? Yes X No ____

Are Vegetation ____, Soil ____, or Hydrology ____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS : Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes X No ____	**Is the Sampled Area within a Wetland?**	Yes X No ____
Hydric Soil Present?	Yes X No ____		
Wetland Hydrology Present?	Yes X No ____	If yes, optional Wetland Site ID: W12	

Remarks: (Explain alternative procedures here or in a separate report.)

- W12-1 → W12-11 (CLOSED)
- FORMER GOLF COURSE POND

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- X Surface Water (A1)
- X High Water Table (A2)
- X Saturation (A3)
- ___ Water Marks (B1)
- ___ Sediment Deposits (B2)
- ___ Drift Deposits (B3)
- ___ Algal Mat or Crust (B4)
- ___ Iron Deposits (B5)
- X Inundation Visible on Aerial Imagery (B7)
- ___ Sparsely Vegetated Concave Surface (B8)
- X Water-Stained Leaves (B9)
- ___ Aquatic Fauna (B13)
- ___ Marl Deposits (B15)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres on Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ___ Surface Soil Cracks (B6)
- ___ Drainage Patterns (B10)
- ___ Moss Trim Lines (B16)
- ___ Dry-Season W ater Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Stunted or Stressed Plants (D1)
- ___ Geomorphic Position (D2)
- ___ Shallow Aquitard (D3)
- ___ Microtopographic Relief (D4)
- ___ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present?	Yes X	No ____	Depth (inches): 4-24"
Water Table Present?	Yes X	No ____	Depth (inches): Inundated
Saturation Present? (includes capillary fringe)	Yes X	No ____	Depth (inches): Inundated

Wetland Hydrology Present? Yes X No ____

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1I09d

VEGETATION : Use scientific names of plants.

Sampling Point: D39

Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status
1.			
2.			
3.			
4.			
5.			
6.			
7.			
	0 = Total Cover		

Sapling/Shrub Stratum (Plot size: 15')			
1.			
2.			
3.			
4.			
5.			
6.			
7.			
	0 = Total Cover		

Herb Stratum (Plot size: 5')			
1. Sparganium americanum	30	Y	OBL
2. Schoenoplectus fluviatilis	25	Y	OBL
3. Lythrum salicaria	15	N	OBL
4. Carex tribuloides	10	N	FACW
5. Poa pratensis	10	N	FACU
6.			
7.			
8.			
9.			
10.			
11.			
12.			
	90 = Total Cover		

Woody Vine Stratum (Plot size: 30')			
1.			
2.			
3.			
4.			
	0 = Total Cover		

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 2 (A)

Total Number of Dominant Species Across All Strata: 2 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 100 (A/B)

Prevalence Index worksheet:

Total % Cover of:	Multiply by:
OBL species	x 1 =
FACW species	x 2 =
FAC species	x 3 =
FACU species	x 4 =
UPL species	x 5 =
Column Totals: (A)	(B)

Prevalence Index = B/A =

Hydrophytic Vegetation Indicators:

- ✓ 1 - Rapid Test for Hydrophytic Vegetation
- ___ 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: Golf Course Pond

Hydrophytic Vegetation Present? Yes ✓ No ___

Remarks: (Include photo numbers here or on a separate sheet.)

Photo # P41 **Direction of Photo** W

- Pond 4

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1109d

SOIL

Sampling Point: D39

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-1	10YR2/1	100					muck	
1-20	10YR2/1	97	10YR5/8	3	C	M	Sicl	

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Dark Surface (S7) (**LRR R, MLRA 149B**)
- ___ Polyvalue Below Surface (S8) (**LRR R, MLRA 149B**)
- ___ Thin Dark Surface (S9) (**LRR R, MLRA 149B**)
- ___ Loamy Mucky Mineral (F1) (**LRR K, L**)
- ___ Loamy Gleyed Matrix (F2)
- X Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ___ 2 cm Muck (A10) (**LRR K, L, MLRA 149B**)
- ___ Coast Prairie Redox (A16) (**LRR K, L, R**)
- ___ 5 cm Mucky Peat or Peat (S3) (**LRR K, L, R**)
- ___ Dark Surface (S7) (**LRR K, L, M**)
- ___ Polyvalue Below Surface (S8) (**LRR K, L**)
- ___ Thin Dark Surface (S9) (**LRR K, L**)
- ___ Iron-Manganese Masses (F12) (**LRR K, L, R**)
- ___ Piedmont Floodplain Soils (F19) (**MLRA 149B**)
- ___ Mesic Spodic (TA6) (**MLRA 144A, 145, 149B**)
- ___ Red Parent Material (TF2)
- ___ Very Shallow Dark Surface (TF12)
- ___ Other (Explain in Remarks)

[3] Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: NONE

Depth (inches): N/A

Hydric Soil Present? Yes X No ___

Remarks:

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1109d

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: Amherst Central Park Town/County: Amherst/Erie County Sampling Date: 6.6.2023

Applicant/Owner: Town of Amherst State: New York Sampling Point: D40

Investigator(s): Scott Livingstone & Alex Molik Section, Township, Range: 68.01-1-1.2

Landform (hillslope, terrace, etc.): Hillslope Local relief (concave, convex, none): CONVEX Slope (%): 15

Subregion (LRR or MLRA) LRRL Lat: 42.973879°N Long: -78.779180°W Datum: NAD83

Soil Map Unit Name: CLAVERACK LOAMY FINE SAND, 0-3 NW I classification: N/A

Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No ____ (If no, explain in Remarks.)

Are Vegetation ____, Soil X, or Hydrology ____ significantly disturbed? Are "Normal Circumstances" present? Yes X No ____

Are Vegetation ____, Soil ____, or Hydrology ____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS : Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes ____	No X	**Is the Sampled Area within a Wetland?** Yes ____ No X
Hydric Soil Present?	Yes ____	No X	
Wetland Hydrology Present?	Yes ____	No X	If yes, optional Wetland Site ID: N/A

Remarks: (Explain alternative procedures here or in a separate report.)

UPLAND SUCCESSIONAL FIELD OVER FILL

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: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1109d

VEGETATION : Use scientific names of plants.

Sampling Point: D40

Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status
1.			
2.			
3.			
4.			
5.			
6.			
7.			
	0 = Total Cover		

Sapling/Shrub Stratum (Plot size: 15')			
1.			
2.			
3.			
4.			
5.			
6.			
7.			
	0 = Total Cover		

Herb Stratum (Plot size: 5')			
1. Poa pratensis	75	Y	FACW
2. Lolium perenne	20	N	FACU
3. Dactylis glomerata	15	N	FACU
4. Taraxacum officinale	5	N	FACU
5.			
6.			
7.			
8.			
9.			
10.			
11.			
12.			
	115 = Total Cover		

Woody Vine Stratum (Plot size: 30')			
1.			
2.			
3.			
4.			
	0 = Total Cover		

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 0 (A)

Total Number of Dominant Species Across All Strata: 1 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 0 (A/B)

Prevalence Index worksheet:

Total % Cover of:	Multiply by:
OBL species 0	x 1 = 0
FACW species 0	x 2 = 0
FAC species 0	x 3 = 0
FACU species 115	x 4 = 460
UPL species 0	x 5 = 0
Column Totals: 115 (A)	460 (B)

Prevalence Index = B/A = 4.0

Hydrophytic Vegetation Indicators:

___ 1 - Rapid Test for Hydrophytic Vegetation

___ 2 - Dominance Test is >50%

___ 3 - Prevalence Index is < 3.0[1]

___ 4 - Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)

___ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Definitions of Vegetation Strata:

Tree - Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft (1 m) tall.

Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vines - All woody vines greater than 3.28 ft in height.

Community Type: Successional old field

Hydrophytic Vegetation Present? Yes ___ No X

Remarks: (Include photo numbers here or on a separate sheet.)

Photo # PH2 **Direction of Photo** N

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1109d

SOIL

Sampling Point: D40

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-9	10YR4/2	100					S,L	FILL

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Dark Surface (S7) (**LRR R, MLRA 149B**)
- ___ Polyvalue Below Surface (S8) (**LRR R, MLRA 149B**)
- ___ Thin Dark Surface (S9) (**LRR R, MLRA 149B**)
- ___ Loamy Mucky Mineral (F1) (**LRR K, L**)
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ___ 2 cm Muck (A10) (**LRR K, L, MLRA 149B**)
- ___ Coast Prairie Redox (A16) (**LRR K, L, R**)
- ___ 5 cm Mucky Peat or Peat (S3) (**LRR K, L, R**)
- ___ Dark Surface (S7) (**LRR K, L, M**)
- ___ Polyvalue Below Surface (S8) (**LRR K, L**)
- ___ Thin Dark Surface (S9) (**LRR K, L**)
- ___ Iron-Manganese Masses (F12) (**LRR K, L, R**)
- ___ Piedmont Floodplain Soils (F19) (**MLRA 149B**)
- ___ Mesic Spodic (TA6) (**MLRA 144A, 145, 149B**)
- ___ Red Parent Material (TF2)
- ___ Very Shallow Dark Surface (TF12)
- ___ Other (Explain in Remarks)

[3] Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: HARD FILL

Depth (inches): 9"

Hydric Soil Present? Yes _____ No X

Remarks:

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1I09d

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: Amherst Central Park Town/County: Amherst/Erie County Sampling Date: 6.6.2023

Applicant/Owner: Town of Amherst State: New York Sampling Point: D41

Investigator(s): Scott Livingstone & Alex Molik Section, Township, Range: 68.01-1-1.2

Landform (hillslope, terrace, etc.): Ditch Local relief (concave, convex, none): CONCAVE Slope (%): 1

Subregion (LRR or MLRA) LRRL Lat: 42.97863°N Long: -78.77340°W Datum: NAD83

Soil Map Unit Name: ODESSA SILT LOAM, 0-3% SLOPES NWI classification: PEM

Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No ____ (If no, explain in Remarks.)

Are Vegetation ____, Soil ____, or Hydrology ____ significantly disturbed? Are "Normal Circumstances" present? Yes X No ____

Are Vegetation ____, Soil ____, or Hydrology ____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS : Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes X	No ____	**Is the Sampled Area within a Wetland?** Yes X No ____
Hydric Soil Present?	Yes X	No ____	
Wetland Hydrology Present?	Yes X	No ____	If yes, optional Wetland Site ID: W11

Remarks: (Explain alternative procedures here or in a separate report.)

* W11-1 → W11-24 (CLOSED)

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ___ Surface Water (A1)
- ___ High Water Table (A2)
- ___ Saturation (A3)
- X Water Marks (B1)
- ___ Sediment Deposits (B2)
- ___ Drift Deposits (B3)
- ___ Algal Mat or Crust (B4)
- ___ Iron Deposits (B5)
- ___ Inundation Visible on Aerial Imagery (B7)
- ___ Sparsely Vegetated Concave Surface (B8)
- X Water-Stained Leaves (B9)
- ___ Aquatic Fauna (B13)
- ___ Marl Deposits (B15)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres on Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ___ Surface Soil Cracks (B6)
- ___ Drainage Patterns (B10)
- ___ Moss Trim Lines (B16)
- ___ Dry-Season W ater Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Stunted or Stressed Plants (D1)
- ___ Geomorphic Position (D2)
- ___ Shallow Aquitard (D3)
- ___ Microtopographic Relief (D4)
- ___ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present?	Yes ____	No X	Depth (inches): N/A
Water Table Present?	Yes ____	No X	Depth (inches): N/A
Saturation Present? (includes capillary fringe)	Yes ____	No X	Depth (inches): N/A

Wetland Hydrology Present? Yes X No ____

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1109d

VEGETATION : Use scientific names of plants. Sampling Point: D41

Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status
1.			
2.			
3.			
4.			
5.			
6.			
7.			
	0 = Total Cover		

Sapling/Shrub Stratum (Plot size: 15')			
1.			
2.			
3.			
4.			
5.			
6.			
7.			
	0 = Total Cover		

Herb Stratum (Plot size: 5')			
1. Typha x glauca	70	Y	OBL
2. Poa pratensis	20	N	FACU
3. Juncus effusus	10	N	OBL
4. Carex tribuloides	5	N	FACW
5.			
6.			
7.			
8.			
9.			
10.			
11.			
12.			
	105 = Total Cover		

Woody Vine Stratum (Plot size: 30')			
1.			
2.			
3.			
4.			
	= Total Cover		

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 1 (A)

Total Number of Dominant Species Across All Strata: 1 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 100 (A/B)

Prevalence Index worksheet:

Total % Cover of:	Multiply by:
OBL species	x 1 =
FACW species	x 2 =
FAC species	x 3 =
FACU species	x 4 =
UPL species	x 5 =
Column Totals: (A)	(B)

Prevalence Index = B/A =

Hydrophytic Vegetation Indicators:

- X 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: Shallow Emergent Marsh

Hydrophytic Vegetation Present? Yes X No ___

Remarks: (Include photo numbers here or on a separate sheet.)

Photo # P43 **Direction of Photo** E

- Ditch channel

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1l09d

SOIL

Sampling Point: D41

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-8	7.5YR3/1	93	7.5YR5/6	7	C	PL	SiL	
8-20	7.5YR5/4	95	7.5YR5/6	5	C	M	SiC	

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Dark Surface (S7) (**LRR R, MLRA 149B**)
- ___ Polyvalue Below Surface (S8) (**LRR R, MLRA 149B**)
- ___ Thin Dark Surface (S9) (**LRR R, MLRA 149B**)
- ___ Loamy Mucky Mineral (F1) (**LRR K, L**)
- ___ Loamy Gleyed Matrix (F2)
- X Depleted Matrix (F3)
- X Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ___ 2 cm Muck (A10) (**LRR K, L, MLRA 149B**)
- ___ Coast Prairie Redox (A16) (**LRR K, L, R**)
- ___ 5 cm Mucky Peat or Peat (S3) (**LRR K, L, R**)
- ___ Dark Surface (S7) (**LRR K, L, M**)
- ___ Polyvalue Below Surface (S8) (**LRR K, L**)
- ___ Thin Dark Surface (S9) (**LRR K, L**)
- ___ Iron-Manganese Masses (F12) (**LRR K, L, R**)
- ___ Piedmont Floodplain Soils (F19) (**MLRA 149B**)
- ___ Mesic Spodic (TA6) (**MLRA 144A, 145, 149B**)
- ___ Red Parent Material (TF2)
- ___ Very Shallow Dark Surface (TF12)
- ___ Other (Explain in Remarks)

[3] Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: NONE

Depth (inches): N/A

Hydric Soil Present? Yes X No ___

Remarks:

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1I09d

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: Amherst Central Park Town/County: Amherst/Erie County Sampling Date: 6.6.2023

Applicant/Owner: Town of Amherst State: New York Sampling Point: D42

Investigator(s): Scott Livingstone & Alex Molik Section, Township, Range: 68.01-1-1.2

Landform (hillslope, terrace, etc.): LAKE Plain Local relief (concave, convex, none): CONVEX Slope (%): 3

Subregion (LRR or MLRA) LRRL Lat: 42.97874 Long: -78.77353°W Datum: NAD83

Soil Map Unit Name: ODESSA SILT LOAM, 0-3% SLOPES NW I classification: N/A

Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No _____ (If no, explain in Remarks.)

Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes X No _____

Are Vegetation _____, Soil _____, or Hydrology _____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS : Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes _____	No X	**Is the Sampled Area within a Wetland?** Yes _____ No X
Hydric Soil Present?	Yes _____	No X	
Wetland Hydrology Present?	Yes _____	No X	If yes, optional Wetland Site ID: N/A

Remarks: (Explain alternative procedures here or in a separate report.)

UPLAND SUCCESSIONAL FIELD 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: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: WT109d

VEGETATION : Use scientific names of plants. Sampling Point: D42

Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status
1. Fraxinus americana	5	Y	FACW
2.			
3.			
4.			
5.			
6.			
7.			
	5 = Total Cover		

Sapling/Shrub Stratum (Plot size: 15')			
1.			
2.			
3.			
4.			
5.			
6.			
7.			
	0 = Total Cover		

Herb Stratum (Plot size: 5')			
1. Poa pratensis	50	Y	FACW
2. Dactylis glomerata	35	Y	FACU
3. Lolium perenne	10	N	FACU
4. Taraxacum officinale	5	N	FACU
5.			
6.			
7.			
8.			
9.			
10.			
11.			
12.			
	100 = Total Cover		

Woody Vine Stratum (Plot size: 30')			
1.			
2.			
3.			
4.			
	0 = Total Cover		

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 0 (A)

Total Number of Dominant Species Across All Strata: 2 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 0 (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1 =	0
FACW species	0	x 2 =	0
FAC species	0	x 3 =	0
FACU species	100	x 4 =	400
UPL species	0	x 5 =	0
Column Totals:	100 (A)		400 (B)

Prevalence Index = B/A = 4.0

Hydrophytic Vegetation Indicators:

___ 1 - Rapid Test for Hydrophytic Vegetation

___ 2 - Dominance Test is >50%

___ 3 - Prevalence Index is < 3.0[1]

___ 4 - Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)

___ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Definitions of Vegetation Strata:

Tree - Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft (1 m) tall.

Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vines - All woody vines greater than 3.28 ft in height.

Community Type: Successional old field

Hydrophytic Vegetation Present? Yes ____ No X

Remarks: (Include photo numbers here or on a separate sheet.)

Photo # D44 **Direction of Photo** N

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: WH09d

SOIL

Sampling Point: D42

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-6	7.5YR4/2	100					SiCl	
6-20	7.5YR3/4	100					SiC	

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Dark Surface (S7) (**LRR R, MLRA 149B**)
- ___ Polyvalue Below Surface (S8) (**LRR R, MLRA 149B**)
- ___ Thin Dark Surface (S9) (**LRR R, MLRA 149B**)
- ___ Loamy Mucky Mineral (F1) (**LRR K, L**)
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ___ 2 cm Muck (A10) (**LRR K, L, MLRA 149B**)
- ___ Coast Prairie Redox (A16) (**LRR K, L, R**)
- ___ 5 cm Mucky Peat or Peat (S3) (**LRR K, L, R**)
- ___ Dark Surface (S7) (**LRR K, L, M**)
- ___ Polyvalue Below Surface (S8) (**LRR K, L**)
- ___ Thin Dark Surface (S9) (**LRR K, L**)
- ___ Iron-Manganese Masses (F12) (**LRR K, L, R**)
- ___ Piedmont Floodplain Soils (F19) (**MLRA 149B**)
- ___ Mesic Spodic (TA6) (**MLRA 144A, 145, 149B**)
- ___ Red Parent Material (TF2)
- ___ Very Shallow Dark Surface (TF12)
- ___ Other (Explain in Remarks)

[3] Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: NONE

Depth (inches): N/A

Hydric Soil Present? Yes _____ No X

Remarks:

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1I09d

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: Amherst Central Park Town/County: Amherst/Erie County Sampling Date: 6·6·2023

Applicant/Owner: Town of Amherst State: New York Sampling Point: D43

Investigator(s): Scott Livingstone & Alex Molik Section, Township, Range: 68.01-1-1.2

Landform (hillslope, terrace, etc.): LAKE Plain Local relief (concave, convex, none): CONVEX Slope (%): 2

Subregion (LRR or MLRA) LRRL Lat: 42.98119°N Long: -78.77512°W Datum: NAD83

Soil Map Unit Name: COSAD LOAMY FINE SAND NW I classification: N/A

Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No ____ (If no, explain in Remarks.)

Are Vegetation ____, Soil ____, or Hydrology ____ significantly disturbed? Are "Normal Circumstances" present? Yes X No ____

Are Vegetation ____, Soil ____, or Hydrology ____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS : Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes ____	No X	**Is the Sampled Area within a Wetland?** Yes ____ No X
Hydric Soil Present?	Yes ____	No X	
Wetland Hydrology Present?	Yes ____	No X	If yes, optional Wetland Site ID: N/A

Remarks: (Explain alternative procedures here or in a separate report.)

UPLAND SUCCESSIONAL FIELD 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: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1109d

SOIL

Sampling Point: D43

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-8	10YR 4/3	100					Sil	
8-20	10YR 5/4	80	10YR 5/6	10	C	M	Sic	
			10YR 5/1	10	D	M		

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Dark Surface (S7) (**LRR R, MLRA 149B**)
- ___ Polyvalue Below Surface (S8) (**LRR R, MLRA 149B**)
- ___ Thin Dark Surface (S9) (**LRR R, MLRA 149B**)
- ___ Loamy Mucky Mineral (F1) (**LRR K, L**)
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ___ 2 cm Muck (A10) (**LRR K, L, MLRA 149B**)
- ___ Coast Prairie Redox (A16) (**LRR K, L, R**)
- ___ 5 cm Mucky Peat or Peat (S3) (**LRR K, L, R**)
- ___ Dark Surface (S7) (**LRR K, L, M**)
- ___ Polyvalue Below Surface (S8) (**LRR K, L**)
- ___ Thin Dark Surface (S9) (**LRR K, L**)
- ___ Iron-Manganese Masses (F12) (**LRR K, L, R**)
- ___ Piedmont Floodplain Soils (F19) (**MLRA 149B**)
- ___ Mesic Spodic (TA6) (**MLRA 144A, 145, 149B**)
- ___ Red Parent Material (TF2)
- ___ Very Shallow Dark Surface (TF12)
- ___ Other (Explain in Remarks)

[3] Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: NONE

Depth (inches): N/A

Hydric Soil Present? Yes ____ No X

Remarks:

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1I09d

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: Amherst Central Park Town/County: Amherst/Erie County Sampling Date: 6.6.2023

Applicant/Owner: Town of Amherst State: New York Sampling Point: D44

Investigator(s): Scott Livingstone & Alex Molik Section, Township, Range: 68.01-1-1.2

Landform (hillslope, terrace, etc.): LAKE Plain Local relief (concave, convex, none): NONE Slope (%): 1

Subregion (LRR or MLRA) LRRL Lat: 42.98246°N Long: -78.77528°W Datum: NAD83

Soil Map Unit Name: COSAD LOAMY FINE SAND 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 SUCCESSIONAL FIELD 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 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: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: Wilcox

VEGETATION : Use scientific names of plants. Sampling Point: D44

Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status
1. Acer Saccharinum	20	Y	FACW
2. Pinus resinosa	10	Y	FACU
3. Fraxinus americanum	5	N	FACU
4.			
5.			
6.			
7.			
	35	= Total Cover	

Sapling/Shrub Stratum (Plot size: 15')			
1.			
2.			
3.			
4.			
5.			
6.			
7.			
	0	= Total Cover	

Herb Stratum (Plot size: 5')			
1. Poa pratensis	75	Y	FACU
2. Dactylis glomerata	20	N	FACU
3. Lolium perenne	20	N	FACU
4. Cirsium arvense	15	N	FACU
5.			
6.			
7.			
8.			
9.			
10.			
11.			
12.			
	130	= Total Cover	

Woody Vine Stratum (Plot size: 30')			
1.			
2.			
3.			
4.			
	0	= Total Cover	

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 1 (A)

Total Number of Dominant Species Across All Strata: 3 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 33 (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1 =	0
FACW species	20	x 2 =	40
FAC species	0	x 3 =	0
FACU species	145	x 4 =	580
UPL species	0	x 5 =	0
Column Totals:	165 (A)		620 (B)

Prevalence Index = B/A = 3.76

Hydrophytic Vegetation Indicators:

___ 1 - Rapid Test for Hydrophytic Vegetation

___ 2 - Dominance Test is >50%

___ 3 - Prevalence Index is < 3.0[1]

___ 4 - Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)

___ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Definitions of Vegetation Strata:

Tree - Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft (1 m) tall.

Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vines - All woody vines greater than 3.28 ft in height.

Community Type: Successional old field

Hydrophytic Vegetation Present? Yes _____ No X

Remarks: (Include photo numbers here or on a separate sheet.)

Photo # P46 **Direction of Photo** N

Tree line within old field

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1109d

SOIL

Sampling Point: D44

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-6	7.5YR 4/2	100					S:cl	
6-20	7.5YR 5/4	100					S:c	

[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: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1I09d

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: Amherst Central Park Town/County: Amherst/Erie County Sampling Date: 6.6.2023

Applicant/Owner: Town of Amherst State: New York Sampling Point: D45

Investigator(s): Scott Livingstone & Alex Molik Section, Township, Range: 68.01-1-1.2

Landform (hillslope, terrace, etc.): LAKE Plain Local relief (concave, convex, none): CONVEX Slope (%): 2

Subregion (LRR or MLRA) LRRL Lat: 42.98111°N Long: -78.773690°N Datum: NAD83

Soil Map Unit Name: CLAVERACK LOAMY FINE SAND, 0-3 NW I classification: N/A

Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No _____ (If no, explain in Remarks.)

Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes X No _____

Are Vegetation _____, Soil _____, or Hydrology _____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS : Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes _____	No X	**Is the Sampled Area within a Wetland?** Yes _____ No X
Hydric Soil Present?	Yes _____	No X	
Wetland Hydrology Present?	Yes _____	No X	If yes, optional Wetland Site ID: N/A

Remarks: (Explain alternative procedures here or in a separate report.)

UPLAND SUCCESSIONAL FIELD 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: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: WH09d

VEGETATION : Use scientific names of plants. Sampling Point: D45

Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status
1. Acer saccharum	15	Y	FACW
2. Salix fragilis	10	Y	FAC
3. Acer rubrum	5	N	FAC
4.			
5.			
6.			
7.			
	30	= Total Cover	

Sapling/Shrub Stratum (Plot size: 15')			
1.			
2.			
3.			
4.			
5.			
6.			
7.			
	0	= Total Cover	

Herb Stratum (Plot size: 5')			
1. Poa pratensis	80	Y	FACW
2. Dactylis glomerata	15	N	FACU
3. Lolium perenne	10	N	FACU
4. Taraxacum officinale	10	N	FACU
5.			
6.			
7.			
8.			
9.			
10.			
11.			
12.			
	115	= Total Cover	

Woody Vine Stratum (Plot size: 30')			
1.			
2.			
3.			
4.			
	0	= Total Cover	

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 1 (A)

Total Number of Dominant Species Across All Strata: 3 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 33 (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1 =	0
FACW species	0	x 2 =	0
FAC species	15	x 3 =	45
FACU species	130	x 4 =	520
UPL species	0	x 5 =	0
Column Totals:	145 (A)		565 (B)

Prevalence Index = B/A = 3.90

Hydrophytic Vegetation Indicators:

___ 1 - Rapid Test for Hydrophytic Vegetation

___ 2 - Dominance Test is >50%

___ 3 - Prevalence Index is < 3.0[1]

___ 4 - Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)

___ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Definitions of Vegetation Strata:

Tree - Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft (1 m) tall.

Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vines - All woody vines greater than 3.28 ft in height.

Community Type: Successional - old field

Hydrophytic Vegetation Present? Yes _____ No _____

Remarks: (Include photo numbers here or on a separate sheet.)

Photo # PH7 **Direction of Photo** E

- Tree line within old field

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1109d

SOIL

Sampling Point: D45

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	10YR4/4	100					SiL	
7-20	10YR5/4	100					SiCL	

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Dark Surface (S7) (**LRR R, MLRA 149B**)
- ___ Polyvalue Below Surface (S8) (**LRR R, MLRA 149B**)
- ___ Thin Dark Surface (S9) (**LRR R, MLRA 149B**)
- ___ Loamy Mucky Mineral (F1) (**LRR K, L**)
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ___ 2 cm Muck (A10) (**LRR K, L, MLRA 149B**)
- ___ Coast Prairie Redox (A16) (**LRR K, L, R**)
- ___ 5 cm Mucky Peat or Peat (S3) (**LRR K, L, R**)
- ___ Dark Surface (S7) (**LRR K, L, M**)
- ___ Polyvalue Below Surface (S8) (**LRR K, L**)
- ___ Thin Dark Surface (S9) (**LRR K, L**)
- ___ Iron-Manganese Masses (F12) (**LRR K, L, R**)
- ___ Piedmont Floodplain Soils (F19) (**MLRA 149B**)
- ___ Mesic Spodic (TA6) (**MLRA 144A, 145, 149B**)
- ___ Red Parent Material (TF2)
- ___ Very Shallow Dark Surface (TF12)
- ___ Other (Explain in Remarks)

[3] Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: NONE

Depth (inches): N/A

Hydric Soil Present? Yes _____ No X

Remarks:

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: W1I09d

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: Amherst Central Park Town/County: Amherst/Erie County Sampling Date: 6.6.2023

Applicant/Owner: Town of Amherst State: New York Sampling Point: D46

Investigator(s): Scott Livingstone & Alex Molik Section, Township, Range: 68.01-1-1.2

Landform (hillslope, terrace, etc.): LAKE PLAIN Local relief (concave, convex, none): CONVEX Slope (%): 3

Subregion (LRR or MLRA) LRRL Lat: 42.982180°N Long: -78.773940°W Datum: NAD83

Soil Map Unit Name: COSAD LOAMY FINE SAND NW I classification: N/A

Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No ____ (If no, explain in Remarks.)

Are Vegetation ____, Soil ____, or Hydrology ____ significantly disturbed? Are "Normal Circumstances" present? Yes X No ____

Are Vegetation ____, Soil ____, or Hydrology ____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS : Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes ____	No X	**Is the Sampled Area within a Wetland?** Yes ____ No X
Hydric Soil Present?	Yes ____	No X	
Wetland Hydrology Present?	Yes ____	No X	If yes, optional Wetland Site ID: N/A

Remarks: (Explain alternative procedures here or in a separate report.)

UPLAND SUCCESSIONAL FIELD 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: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Project Code: WH09d

VEGETATION : Use scientific names of plants. Sampling Point: D46

Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status
1. Quercus palustris	30	Y	FACW
2.			
3.			
4.			
5.			
6.			
7.			
	30 = Total Cover		

Sapling/Shrub Stratum (Plot size: 15')			
1.			
2.			
3.			
4.			
5.			
6.			
7.			
	0 = Total Cover		

Herb Stratum (Plot size: 5')			
1. Poa pratensis	45	Y	FACU
2. Dactylis glomerata	20	N	FACU
3. Taraxacum officinale	20	N	FACU
4. Lotus corniculatus	15	N	FACU
5. Lolium perenne	10	N	FACU
6. Centaurea stoebe	10	N	NI
7.			
8.			
9.			
10.			
11.			
12.			
	120 = Total Cover		

Woody Vine Stratum (Plot size: 30')			
1.			
2.			
3.			
4.			
	0 = Total Cover		

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 1 (A)

Total Number of Dominant Species Across All Strata: 2 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 50 (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1 =	0
FACW species	30	x 2 =	60
FAC species	0	x 3 =	0
FACU species	110	x 4 =	440
UPL species	0	x 5 =	0
Column Totals:	140 (A)		500 (B)

Prevalence Index = B/A = 3.57

Hydrophytic Vegetation Indicators:

___ 1 - Rapid Test for Hydrophytic Vegetation

___ 2 - Dominance Test is >50%

___ 3 - Prevalence Index is < 3.0[1]

___ 4 - Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)

___ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Definitions of Vegetation Strata:

Tree - Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft (1 m) tall.

Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vines - All woody vines greater than 3.28 ft in height.

Community Type: Successional old field

Hydrophytic Vegetation Present? Yes ___ No X

Remarks: (Include photo numbers here or on a separate sheet.)

Photo # PH 8 **Direction of Photo** N

- Tree line within old field

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

SOIL

Sampling Point: D46

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-4	7.5YR 4/4	100					S-l	
4-20	7.5YR 5/6	100					S-cl	

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Dark Surface (S7) (**LRR R, MLRA 149B**)
- ___ Polyvalue Below Surface (S8) (**LRR R, MLRA 149B**)
- ___ Thin Dark Surface (S9) (**LRR R, MLRA 149B**)
- ___ Loamy Mucky Mineral (F1) (**LRR K, L**)
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ___ 2 cm Muck (A10) (**LRR K, L, MLRA 149B**)
- ___ Coast Prairie Redox (A16) (**LRR K, L, R**)
- ___ 5 cm Mucky Peat or Peat (S3) (**LRR K, L, R**)
- ___ Dark Surface (S7) (**LRR K, L, M**)
- ___ Polyvalue Below Surface (S8) (**LRR K, L**)
- ___ Thin Dark Surface (S9) (**LRR K, L**)
- ___ Iron-Manganese Masses (F12) (**LRR K, L, R**)
- ___ Piedmont Floodplain Soils (F19) (**MLRA 149B**)
- ___ Mesic Spodic (TA6) (**MLRA 144A, 145, 149B**)
- ___ Red Parent Material (TF2)
- ___ Very Shallow Dark Surface (TF12)
- ___ Other (Explain in Remarks)

[3] Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: NONE

Depth (inches): N/A

Hydric Soil Present? Yes _____ No X

Remarks:

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

AMHERST CENTRAL PARK - 772 NORTH FOREST ROAD

APPENDIX C - SITE PHOTOGRAPHS

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)



Photo 1 (6/5/23): Facing north. Depicts the scrub-shrub swamp community of W1at data point D1.



Photo 2 (6/5/23): Facing south. Depicts the successional old field community at data point D2.



Photo 3 (6/5/23): Facing south. Depicts the golf course pond of W2/Pond 1 at data point D3.



Photo 4 (6/5/23): Facing north. Depicts the successional old field community at data point D4.



Photo 5 (6/5/23): Facing south. Depicts the scrub-shrub swamp community of W3 at data point D5.



Photo 6 (6/5/23): Facing south. Depicts the successional old field community at data point D6.

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)



Photo 7 (6/5/23): Facing north. Depicts the mown lawn community of data point D7.

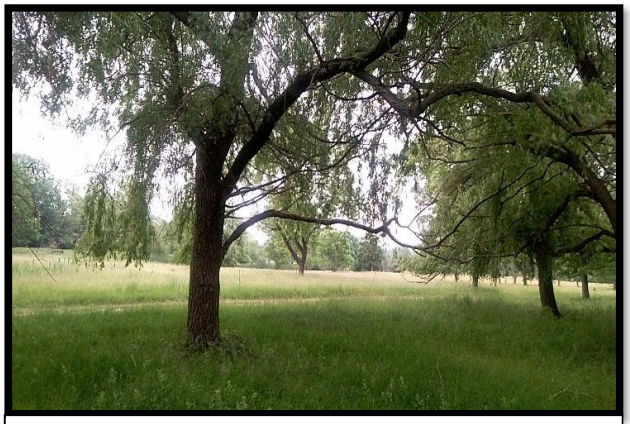


Photo 8 (6/5/23): Facing southeast. Depicts the successional old field community at data point D8.



Photo 9 (6/5/23): Facing north. Depicts the golf course pond community of W4/Pond 2 at data point D9.



Photo 10 (6/5/23): Facing southwest. Depicts the successional old field community at data point D10.



Photo 11 (6/5/23): Facing south. Depicts the successional old field community at data point D11.



Photo 12 (6/5/23): Facing east. Depicts the successional old field community at data point D12.

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)



Photo 13 (6/5/23): Facing south. Depicts the hardwood swamo community of W5 at data point D13.



Photo 14 (6/5/23): Facing north. Depicts the successional northern hardwood community at data point D14.



Photo 15 (6/5/23): Facing southeast. Depicts the hardwood swamp community of W5 at data point D15.



Photo 16 (6/5/23): Facing south. Depicts the successional old field community at data point D16.



Photo 17 (6/5/23): Facing southeast. Depicts the golf course pond community of W6/Pond 3 at data point D17.



Photo 18 (6/5/23): Facing southwest. Depicts the successional old field community at data point D18.

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)



Photo 19 (6/5/23): Facing south. Depicts the successional old field community of data point D19.



Photo 20 (6/5/23): Facing west. Depicts the scrub-shrub swamp community of W7 at data point D20.



Photo 21 (6/5/23): Facing southwest. Depicts the successional old field community at data point D21.



Photo 22 (6/5/23): Facing east. Depicts the scrub-shrub swamp community of W8 at data point D22.



Photo 23 (6/5/23): Facing southwest. Depicts the successional old field community at data point D23.



Photo 24 (6/5/23): Facing south. Depicts the successional old field community at data point D24.

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)



Photo 25 (6/5/23): Facing northwest. Depicts the scrub-shrub swamp community of data point D25.



Photo 26 (6/5/23): Facing south. Depicts the successional shrubland community at data point D26



Photo 27 (6/5/23): Facing south. Depicts the successional old field community at data point D27.



Photo 28 (6/5/23): Facing north. Depicts the successional old field community at data point D28.



Photo 29 (6/6/23): Facing west. Depicts the successional old field community at data point D29.



Photo 30 (6/6/23): Facing east. Depicts the shallow emergent marsh community of W10 at data point D30.

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)



Photo 31 (6/6/23): Facing southwest. Depicts the successional old field community at data point D31.



Photo 32 (6/6/23): Facing south. Depicts stream 1.



Photo 33 (6/6/23): Facing northwest. Depicts the successional shrubland community at data point D32.



Photo 34 (6/6/23): Facing north. Depicts the successional old field community at data point D33.



Photo 35 (6/6/23): Facing west. Depicts the successional old field community at data point D34.



Photo 36 (6/6/23): Facing south. Depicts stream 2.

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)



Photo 37 (6/6/23): Facing south. Depicts the sucessional old field community at data point D35.

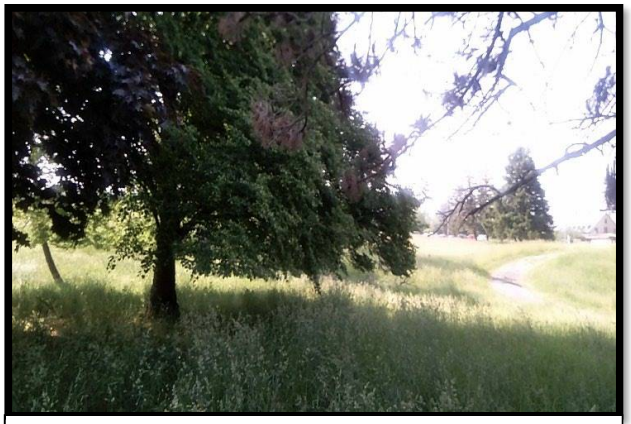


Photo 38 (6/6/23): Facing south. Depicts the successional old field community at data point D36.



Photo 39 (6/6/23): Facing northwest. Depicts the successional old field community at data point D37.



Photo 40 (6/6/23): Facing north. Depicts the successional old field community at data point D38.



Photo 41 (6/6/23): Facing west. Depicts the golf course pond community of W12/Pond 4 at data point D39.



Photo 42 (6/6/23): Facing north. Depicts the successional old field community at data point D40.

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)



Photo 43 (6/6/23): Facing east. Depicts the shallow emergent marsh community of W11/Stream 3 at data point D41.



Photo 44 (6/6/23): Facing north. Depicts the successional old field community at data point D42.



Photo 45 (6/6/23): Facing south. Depicts the successional old field community at data point D43.



Photo 46 (6/6/23): Facing north. Depicts the successional old field community at data point D44.



Photo 47 (6/6/23): Facing southeast. Depicts the successional old field community at data point D45.



Photo 48 (6/6/23): Facing north. Depicts the successional old field community at data point D46.

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

AMHERST CENTRAL PARK - 772 NORTH FOREST ROAD

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

APPENDIX D - REFERENCES

INFORMATIONAL REFERENCES USED BY EARTH DIMENSIONS INC.

Andrus, R.E. 1980. Sphagnaceae (Peat Moss Family) of New York State. Contributions to a Flora of New York State III, R.S. Mitchell (Ed.), Bulletin No. 442, New York State Museum, Albany, New York. 89 pp.

Benyus, J.M. 1989. The Field Guide to Wildlife Habitats of the Eastern United States. Fireside, Simon & Shuster, Inc., New York. 335 pp.

Britton, N.L., and H.A. Brown. 1970. An Illustrated Flora of the Northern United States and Canada, Volumes 1, 2, and 3. Dover Publications, Inc., New York. 2052 pp.

Brockman, C.F., R. Merrilees, and H.S. Zim. 1968. Trees of North America: A Field Guide to the Major Native and Introduced Species North of Mexico. Western Publishing, Inc. New York, New York. 280 pp.

Brown, L. 1979. Grasses: An Identification Guide. Peterson Nature Library. Houghton Mifflin Co., Boston. 240 pp.

Cobb, B. 1963. A Field Guide to the Ferns and Related Families. Houghton Mifflin Co., Boston. 281 pp.

Cowardin, L.M., V. Carter, F.C. Golet, and E.T. Laroe. 1979. Classification of Wetlands and Deep Water Habitats of the United States. U.S. Fish and Wildlife Service, Washington, D.C. FWS/OBS-79-31. 103 pp.

Eggers, S.D., and D.M. Reed. 1997. Wetland Plants and Plant Communities of Minnesota and Wisconsin. Second Edition. U.S. Army Corps of Engineers, St. Paul District, Minnesota. 263 pp.

Environmental Laboratory. 1987. Corps of Engineers Wetlands Delineation Manual. Technical Report Y-87-1, U.S. Army Corps of Engineers Waterways Experiment Station, Vicksburg, Mass. 100 pp. plus appendices.

Hotchkiss, N. 1970. Common Marsh Plants of the United States and Canada. U.S. Department of the Interior, Bureau of Sport Fisheries and Wildlife, Washington, D.C., Resource Publication 93.

Hurley, L.M. 1990. Field Guide to the Submerged Aquatic Vegetation of Chesapeake Bay. U.S. Fish and Wildlife Service, Chesapeake Bay Estuary Program, Annapolis, Maryland. 51 pp.

Knobel, E. 1977. Field Guide to the Grasses, Sedges, and Rushes of the United States. Dover publications, Inc., New York. 83 pp.

Little, E.L. 1980. The Audubon Society Field Guide to North American Trees (Eastern Region). Alfred A. Knopf, New York. 714 pp.

Magee, D.W. 1981. Freshwater Wetlands. University of Massachusetts Press, Clarence. 245 pp.

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Mitchell, R.S., and G.C. Tucker. 1997. Revised Checklist of New York State Plants. Contributions to a Flora of New York State IV, R.S. Mitchell (Ed.). Bulletin No. 490, New York State Museum, Albany, New York. 400 pp.

Munsell Color Chart. (Munsell Color 1975).

National Wetland Inventory Maps. U.S. Department of the Interior, Fish and Wildlife Service, National Wetland Inventory, St. Petersburg, Florida. http://wetlandsfws.er.usgs.gov

Niering, W.C., and N.C. Olmstead. 1979. The Audubon Society Field Guide to North American Wildflowers (Eastern Region). Alfred A. Knopf, New York. 887 pp.

New York State Code of Rules and Regulations (NYCRR). 1989. Protected Native Plants. NYCRR Part 193.3, June, 1989. New York State Department of Environmental Conservation.

New York Natural Heritage Program. 2002. New York Rare Plant Status List, February, 1989. S.M. Young, (Ed.), New York State Department of Environmental Conservation and The Nature Conservancy publication. 26 pp.

New York State Department of Environmental Conservation Freshwater Wetlands Maps, NYSDEC Environmental Resource Mapper, http://www.dec.ny.gov/imsmaps/ERM/viewer.htm

Newcomb, L. 1977. Newcomb's Wildflower Guide. Little, Brown and Co., Boston. 490 pp.

Ogden, E.C. 1981. Field Guide to Northeastern Ferns. Contributions to a Flora of New York State III, R.S. Mitchell (Ed.), Bulletin No. 444, New York State Museum, Albany, New York. 122 pp.

Peattie, D.C. 1991. A Natural History of Trees of Eastern and North America. Houghton Mifflin Co., Boston. 606 pp.

Peterson, RT., and M. McKenny. 1968. A Field Guide to Wildflowers of Northeastern and Northcentral North America. Houghton Mifflin Co., Boston. 420 pp.

Petrides, G.A. 1972. A Field Guide to Trees and Shrubs. Houghton Mifflin Co., Boston. 428 pp.

Prescott, G.W. 1969. How to Know the Aquatic Plants. Second Edition. William C. Brown Co., Dubuque, Iowa. 171 pp.

Raynal, D.J., and D. J. Leopold. 1999. Landowner's Guide to State-Protected Plants of Forests in New York State. New York Center for Forestry Research and Development, SUNY-ESF, Syracuse, New York. 92pp.

Reed, Porter B. Jr. 1988. National List of Plant Species that Occur in Wetlands: Northeast (Region 1). U.S. Fish and Wildlife Service, Washington, D.C. Biol. Rept. 88 (26.1). 112 pp.

Reschke, C. 2002. Ecological Communities of New York State. New York Natural Heritage Program. NYSDEC, Latham, N.Y. (2nd Ed.) 136 pp.

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Soil Conservation Service. 1975. Soil Taxonomy: A Basic System of Soil Classification for Making and Interpreting Soil Surveys. U.S.D.A., Soil Conservation Service, U.S. Handbook 436.

Soil Conservation Service. 1988. New York Hydric Soils and Soils with Hydric Inclusions, revised July, 1988, Soil Conservation Service, Syracuse, New York, Technical Guide, Section II. 23 pp.

Simonds,R.L., and H.H. Tweedie. 1978. Wildflowers of the Great Lakes Region. Chicago Review Press, Chicago. 96 pp.

Symonds, G.W.D. 1958. The Tree Identification Book. Quill, New York. 272 pp.

Symonds, G.W.D. 1963. The Shrub Identification Book. William Morrow & Co., New York. 379 pp.

Tiner, R. W. Jr. 1988. A Field Guide to Nontidal Wetland Identification. Maryland Department of Natural Resources and U.S. Fish and Wildlife Service Cooperative Publication. Maryland Department of Natural Resources, Annapolis, Maryland. 283 pp. + 198 color plates.

United States Department and Agriculture & the Natural Resources Conservation Service (USDA, NRCS).Soil Conservation Service Soil Survey of Erie County, New York. U.S.D.A., Soil Conservation Service. 1986 http://websoilsurvey.nrcs.usda.gov/app/WebSoilSurvey.aspx

USDA, NRCS. 2009. The PLANTS Database (http://plants.usda.gov, 12/14/09). National Plant Data Center, Baton Rouge, LA 70874-4490 USA.

United States Geological Survey maps, Denver, Colorado. Buffalo NE Quadrangle.

U.S. Army Corps of Engineers. 2009. Interim Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Northcentral and Northeast Region, ed. J. S. Wakeley, R. W. Lichvar, and C. V. Noble. ERDC/EL TR-09-19. Vicksburg, MS: U.S. Army Engineer Research and Development Center.

U.S. Fish and Wildlife Service, A Wetlands and Deepwater Habitats Classification. May 3, 2002, http: //www.nwi.fws.gov/. June 16, 2002.

Zander, R.H., and G.J. Pierce. 1979. Flora of the Niagara Frontier Region. Bulletin of the Buffalo Society of Natural Sciences, Vol. 16 (Suppl. 2), Buffalo, New York. 110 pp

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AMHERST CENTRAL PARK - 772 NORTH FOREST ROAD

APPENDIX E – PROJECT CONTACT DETAILS

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PROJECT CONTACT DETAILS

Wetland Personnel:

Soils and Hydrology Sampling
Scott Livingstone, Senior Soil Scientist
Earth Dimensions, Inc.
1091 Jamison Road
Elma, New York 14059
(716) 655-1717
slivingstone@earthdimensions.com

Vegetation Sampling
Alex Molik, Ecologist
Earth Dimensions, Inc.
1091 Jamison Road
Elma, New York 14059
(716) 655-1717
alex@earthdimensions.com

Report Preparation
Alex Molik, Ecologist
Earth Dimensions, Inc.
1091 Jamison Road
Elma, New York 14059
(716) 655-1717
alex@earthdimensions.com

Client Contact:

JEFFREY SZATKOWSKI
TOWN OF AMHERST PLANNING DEPARTMENT
5583 MAIN STREET
WILLIAMSVILLE, NEW YORK 14221
JSZATKOWSKI@AMHERST.NY.US
(716) 631-7051

Landowner Contact (If different from Client):

Town of Amherst
5583 Main Street
Williamsville, New York 14221
(716) 631-7000

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EMPIRE GEO SERVICES, INC.
A SUBSIDIARY OF SJB SERVICES, INC.

CORPORATE/
BUFFALO OFFICE
5167 South Park Avenue
Hamburg, NY 14075
Phone: (716) 649-8110
Fax: (716) 649-8051

ALBANY OFFICE
PO Box 2199
Ballston Spa, NY 12020

5 Knabner Road
Mechanicville, NY 12118
Phone: (518) 899-7491
Fax: (518) 899-7496

CORTLAND OFFICE
60 Miller Street
Cortland, NY 13045
Phone: (607) 758-7182
Fax: (607) 758-7188

ROCHESTER OFFICE
535 Summit Point Drive
Henrietta, NY 14467
Phone: (585) 359-2730
Fax: (585) 359-9668

MEMBER
ACEC New York

Geotechnical Evaluation Report for Proposed Westwood Country Club Redevelopment Project North Forest Road Amherst, New York

Prepared For:

Mensch Capital Partners, LLC
350 Essjay Road, Suite 304
Williamsville, New York 14221

Prepared By:

Empire Geo-Services, Inc.
5167 South Park Avenue
Hamburg, New York 14075



4/24/14

Project No. BE-13-192
April 2014

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Geotechnical Evaluation Report for
Proposed Westwood Country Club Redevelopment Project
North Forest Road
Amherst, New York

EXECUTIVE SUMMARY

Introduction

This report summarizes the results of a subsurface exploration program and geotechnical engineering evaluation completed by Empire Geo-Services, Inc. (Empire) for a proposed mixed use redevelopment project being considered by Mensch Capital Partners, LLC on the site of the Westwood Country Club off North Forest Road in Amherst, New York. The approximate location of the project site is shown on Figure No. 1.

The proposed redevelopment project is proposed within the existing Westwood Country Club golf course area, which is bounded by Maple Road to the north, North Forest Road, Ellicott Creek and the Audubon Par 3 Golf Course to the east, Sheridan Drive to the south and Frankhauser Road and Fairways Boulevard to the west.

The proposed redevelopment project is currently planned to include the following:

- 1 to 2 story single family residential home lots in the northern eastern portion of the site;
- Adjoining 1 to 2 story townhome style residential units in the northern western portion of the site;
- Larger 1 to 2 story single family residential home lots in the eastern center portion of the site;
- An approximate 30 acre parcel in the west center potion of the site for senior living development;
- Mixed use town center type development in the southern portion of the site including commercial/retail buildings, office buildings, multi family townhomes and multi family apartments; and
- Re-use of the existing club house building for conference and reception use, in association with construction of an adjoining hotel building.

In addition the project will also include construction of roadways, access drives and parking lot areas with access to the development from Sheridan Drive and Maple Road.

The subsurface exploration program consisted of a total of forty-nine (49) test borings, designated as B-1 through B-49, which were advanced across the site. Thirty (30) borings were advanced to apparent bedrock refusal, with the remaining nineteen (19) borings being advanced to a planned depth of 20 feet and then terminated. Apparent bedrock refusal was encountered at depths ranging between 13.5 feet and 62.5 feet and confirmed by rock coring in seven (7) of the test borings. Three (3) groundwater observation wells

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were installed in borings B-6, B-24 and B-48 to help assess groundwater conditions on the site, Geotechnical laboratory testing of selected recovered soil samples was also completed.

SJB Services, Inc. (SJB), our affiliated drilling and materials testing company, completed the test borings and laboratory testing for the subsurface exploration program. The test borings and groundwater observation well installations were completed between December 3rd, 2013 and February 5, 2014. The approximate locations of the test borings with respect to an aerial photograph of the existing site are shown on Figure No. 2 and the approximate locations of the test borings with respect to the currently proposed conceptual site development plan are shown on Figure No. 3.

The elevations presented in this report were referenced to the rim of an electrical manhole (temporary benchmark established by SJB), which is located off the front of the existing golf cart storage building, located in the south center portion of the site, as shown on Figure No. 2. This benchmark has an elevation El. datum of 602.38 feet, as measured and reported by Nussbaumer & Clarke, Inc.

This report summarizes the subsurface conditions encountered by the exploration program and presents preliminary geotechnical engineering considerations and recommendations to assist in planning and preliminary design of the site redevelopment. Specifically our evaluation addresses the soil, bedrock and groundwater conditions present on the site, with regard to their impacts on foundation, slab-on-grade floor construction, underground utility construction and pavement construction.

Existing Site Information

As part of our study Empire researched existing information concerning the geologic and flood plain conditions present in the Westwood Country Club site area, including the Soil Survey for Erie County, Surficial Geology and Bedrock Geology Maps, and FEMA Flood Plain Mapping.

The USDA – Erie County Soil Survey data indicate that the surficial soils (i.e. soils typically within the upper 5 feet of the existing ground surface) within the Westwood Country Club facility site consist predominately of "clay loam", "silt loam", and "loamy fine sand" type soils. These surficial soil types are similarly classified as CL, ML and SM group soils using the Unified Soil Classification System (USCS), respectively.

Geologic maps prepared by the New York State Geological Survey indicate the surficial overburden soils present consist predominately of glacial till deposits of clay, silt and bouldery clay, with glacial outwash deposits of sand and gravel along Ellicott Creek. The uppermost bedrock formation in this area is the upper (late) Silurian period, Camillus Shale formation of the Salina Geologic Group. This bedrock formation is characterized as medium hard, weathered to sound Shale rock, with occasional gypsum partings and seams and has a generally fair to good rock mass quality.

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The FEMA flood plain mapping indicates the 500 year and 100 year flood plains from Ellicott Creek extend into the eastern portions of the Westwood Country Club facility site. The 500 year flood elevations range from El. 595 feet to El. 594 feet where it extends onto the site from the southern end to the center portion, and to about El. 593 feet where it extends onto the northern portion of the site.

Subsurface Exploration Results

The subsurface conditions encountered in the test borings consisted generally of surface topsoil, along with man placed fill or disturbed indigenous soils typically extending to depths ranging between about 2 feet and 5 feet, which are underlain by predominately indigenous glacial till deposited silty clay, clayey silt, silt, and silty or clayey sand soils, overlying the Camillus Shale Bedrock. Table 2 summarizes the surface topsoil depths, the depths and bottom elevation of the man-placed fill, the depth and elevation of auger refusal (i.e. apparent bedrock refusal), and the groundwater observations made in the test borings and the wells installed for this investigation.

The indigenous soils are classified as CL, CH, ML, SM-SC and SM group soils using the Unified Soil Classification System (ASTM D2488). The consistency of the cohesive silty clay and clayey silt soils typically ranged between medium and hard, while the more granular silty or clayey sand soils and the non-plastic silt soils were typically of a firm to very compact relative density. Deeper soft to very soft clay soil deposits having SPT "N" values of less than 4 or "woh - weight of hammer" (i.e. the sample spoon was advanced with only the weight of the drop hammer and drill rods applied statically to the sample spoon), were encountered in only a few test borings (B-1, B-18, B-20 and B-25). Accordingly, significant deposits of highly compressible soft to very soft clays, as present in other portions of northern Amherst, are generally absent within this site.

Shale bedrock, as indicated by the auger refusal conditions, and confirmed by rock coring, was encountered at depths ranging between about 13.5 feet (boring B-10) and 62.5 feet (boring B-1), with corresponding elevations ranging between approximately El. 586.9 feet to El. 543.4 feet. The bedrock core recovered consisted generally of gray, medium hard, sound, thinly bedded to bedded Shale Rock, with occasional partings, seams and layers of gypsum. The core recoveries ranged between 100% and 50%, and the rock quality designation (RQD) values ranged between 20% and 82% indicating the recovered rock cores have a varying rock mass quality ranging between "very poor" and "good".

Based on the water levels obtained at the completion of coring in borings B-4, B-43 and B-48, as well as the readings obtained in borings B-9, B-20 and B-25 following completion soil sampling to auger refusal, and the April 1st, 2014 level in well B-24 tends to suggest that a permanent groundwater table may be present at elevations in the range of about El 580 feet to El. 589 feet, although this is not confirmed by the other groundwater observation wells at this time, as they may be partially impacted by upper perched groundwater..

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It also appears that zones of perched or trapped groundwater are present in the topsoil and the fill soils at or near the ground surface, at various locations on the site, due to the relatively low permeability of the underlying soils present, and depending on site drainage conditions. Such conditions were observed during the subsurface exploration where areas of standing water and spongy surface conditions were present, hindering some of the drill rig access.

Laboratory Test Results

The laboratory test data indicates the clay soils encountered within the upper reaches of the site below the immediate surface soils, (i.e. within the anticipated depths of proposed spread foundations) appear to be partially desiccated and have a generally non-existent to low potential susceptibility to shrinkage. Also, given the relatively medium stiff to hard nature of the indigenous clay soils and their inherent low permeability it is unlikely saturation and potential swelling of these soils would occur in an undisturbed state. The upper surficial clayey silt /silty clay fill soils, however, which are in a less dense condition, may be more susceptible to potential shrinkage and swelling where they are inundated with poor draining surface water.

Based on DIPRA tests performed the site soils tested appear to have a low corrosion potential to ductile iron waterline pipes and other buried metallic pipes/elements. Accordingly, cathodic protection or a suitable protective coating of metallic pipes and conduits, to resist potential corrosion, does not appear necessary. Also based on sulfate concentrations, the soils are considered to have a negligible potential for sulfate exposure. Accordingly, a Type I-II Portland Cement appears will be acceptable for the concrete structure elements placed in these soils.

Preliminary Geotechnical Considerations and Recommendations

General

The indigenous soils encountered consist predominately of partially desiccated, medium stiff to hard silty clay and clayey silt and firm to very compact silty or clayey sand deposits with some intermixed gravel, and occasional cobbles/boulders and shale fragments. These soils are non-organic, and are not considered to be highly compressible, nor highly susceptible to shrinkage, swelling, or liquefaction. Significant deposits of highly moist, soft to very soft clays, as present in other areas of northern Amherst and which have been problematic to residential foundation/structure movement and distress (i.e. basement foundation subsidence / settlement and lateral movement), are generally absent within this site.

The indigenous soil conditions encountered in the test borings are generally considered suitable to support the anticipated residential and mixed use structure loads using conventional spread foundation systems. In a few cases (i.e. within borings B-9, B-11, B-19, B-21, B-22 and B-45) some limited zones of weaker soils were encountered which may impact the use of spread foundations. Accordingly, these conditions possibly may

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require consideration of deep foundations (i.e. driven piles) particularly if a multiple-story more heavily loaded building structure would be proposed at or near these locations.

The existing fill and indigenous soil subgrades are also considered to be generally suitable for basement, at-grade and garage slab-on-grade floor construction, with proper site preparation. The soils encountered are also considered generally suitable for construction of the proposed infrastructure, including the roadways, parking lots, storm and sanitary sewers, waterlines and retention pond structures. The poor draining surface conditions, however, are expected to make site stripping and subgrade preparation difficult, particularly during wet periods

Given, the relatively low to medium low permeability of the soils present, both permanent and perched groundwater seepage if encountered should be relatively slow and of low quantities. Accordingly, these conditions should not significantly impact basement and utility construction. It is anticipated that conventional sump and pump methods of dewatering should generally be sufficient to control surface water, as well as permanent and perched groundwater seepage conditions, should they be encountered.

Based on the subsurface conditions encountered, the overall site should be classified as Seismic Site Class "D" in accordance with the Building Code of New York State. Therefore, seismic design may be based on this site classification.

Foundation Support

Preliminarily, it is expected that spread foundations can be sized, based on net allowable bearing capacities in the range of about 2,000 to 4,000 pounds per square foot (psf) ±, depending on location, foundation bearing depths and actual structure loads.

Spread foundations should bear on suitable, undisturbed, indigenous soil bearing grades, after the removal of all fill soils and any unsuitable indigenous soft or wet soils. Alternatively, the foundations may also bear on Engineered Fill (i.e. compacted Structural Fill or flowable backfill), which is placed over the suitable indigenous soil bearing grades, following excavation and removal of fill soils and any unsuitable indigenous soils which are present below the design bearing grade elevation of the footings.

Where zones of softer soils were encountered, which may impact the use of spread foundations for heavier building structures, the use of driven H-piles or pipe piles driven to refusal on the Shale bedrock appear would be the best suited deep foundation system option for the site conditions present. For preliminary information, a driven HP12x53 H-pile, driven to refusal on the bedrock, would be expected to develop an axial compressive capacity in the range of about 100 to 120 tons ± per pile. Other pile sections can also be used, based on product availability and costs, which would provide higher or lower allowable axial capacities, based on the actual pile section.

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Basement Structure Design

Where suitable foundation drainage is provided, the basement walls can be designed for "at rest" lateral earth pressure computed on the basis of an "equivalent fluid unit weight" of 70 pounds per cubic foot (pcf). This is based on the assumption that the wall backfill beyond the drainage system is a suitable well draining granular backfill material, such as a crusher run stone Structural Fill. In this case suitable damp proofing of the walls and floors should also be provided. Alternatively, the basement structures could also be designed to resist potential full hydrostatic pressure. In such case the basement structure should also be fully water proofed.

The use of the on-site clayey silt, silty clay and silty or clayey sand soils to backfill the basement walls is not recommended as they will be susceptible to potential swelling in a looser disturbed state, which could cause additional lateral pressures on the basement walls. The on-site soils could be used, however, to backfill non-earth retaining foundation walls provided they can be properly placed and compacted to a stable and well engineered condition.

Slab-on Grade Floor Construction

The building floors can be constructed as slab-on-grade following proper subgrade preparation. For preliminary design purposes, a minimum of 6-inches of Subbase Stone is recommended beneath the lightly loaded floor slabs (residential floors, lightly loaded office floors, etc.). A minimum 12-inch thick layer of Subbase Stone is recommended beneath more heavily loaded floor slabs (i.e. garage areas, storage areas, mechanical rooms, etc.). A suitable stabilization/separation geotextile, such as Mirafi 500X, should be placed over the existing soil or fill soil subgrades prior to placement of the Subbase Stone layer.

Seismic Design Considerations

Based on the subsurface conditions encountered, the overall site should be classified as Seismic Site Class "D" in accordance with the Building Code of New York State. The soil conditions encountered are generally not considered to be susceptible to potential liquefaction in the case of a seismic event. Therefore, seismic design may proceed based on these considerations.

It is possible that a seismic shear wave velocity study of the site may refine and possibly upgrade the seismic design site class. This may be particularly beneficial in the areas of the mixed use commercial and apartment buildings depending on the costs associated with seismic reinforcement of these structures. It should be understood, however, that there is no guarantee that an upgrade can be made if a seismic shear wave study is performed,

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Pavement Design Considerations

The Town of Amherst requires a typical pavement section consisting of the following components for residential and commercial development roadways:

Town of Amherst Asphalt Concrete Pavement Section:

- 1.5 inches – Top Course
- 2.5 inches – Binder Course
- 4.0 inches – Base Course
- 11 inches – Subbase Stone Course

We would recommend, however, the Town of Amherst pavement section also include a suitable stabilization/separation geotextile (i.e. Mirafi 600X or suitable equivalent).

Pavement design recommendations are also provided for two (2) flexible pavement structure types within the proposed mixed use development areas. These include the following:

Heavy Duty Asphalt Concrete Pavement (for the entrance, access drives and pavement areas, which will be subject to delivery truck traffic):

- 1.5 inches – Top Course
- 3.0 inches – Binder Course
- 15 inches – Subbase Stone Course
- Stabilization/Separation Geotextile
- Prepared Subgrade

Light Duty Asphalt Concrete Pavement (for automobile / light SUV only parking areas):

- 1.5 inches – Top Course
- 2.0 inches – Binder Course
- 10 inches – Subbase Stone Course
- Stabilization/Separation Geotextile
- Prepared Subgrade

The installation of suitable drainage is also recommended to drain the pavement subbase course and subgrades in order to limit the potential for frost action and improve pavement structure performance and design life.

Underground Utility Construction

The in-situ soils should provide generally suitable subgrade conditions for underground utility construction, including storm and sanitary sewers, water lines, gas lines and buried

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electrical / communication conduits. Accordingly, standard bedding materials and thicknesses can generally be used to support this infrastructure.

Site Preparation

Measures to improve site drainage should be implemented as necessary prior to commencing the site stripping and subgrade preparation work.

All existing structures, trees, stumps, vegetation, topsoil, organic soils, etc., and any other deleterious materials within the proposed building pad areas and pavement areas should be removed. Following stripping and removal of the surface materials (i.e. topsoil, asphalt pavement, concrete pads and structures, etc.), the exposed subgrades should be proof-rolled. The subgrade proof-rolling should be done under the guidance of, and observed by qualified geotechnical engineering personnel. The subgrade fill placement necessary to raise the site grades and/or the placement of subbase courses may proceed following proper site preparation and acceptance of the existing soil subgrades.

The on-site soils could be used for constructing the fills for establishing the building pad and pavement areas, provided they can be properly placed and compacted in a controlled manner and to a stable well engineered condition, in accordance with our recommendations. It should be understood, however, that these soils will be very difficult to dry and work with. Therefore the use of imported granular fill materials will be better suited for building pad, roadway and parking lot fill areas. Efforts should be made to maintain the subgrades in a dry and stable condition at all times, and limit construction traffic directly over these soils, particularly if they become wet.

Additional Geotechnical Investigations

Additional investigations and further evaluations are recommended for final design when final building development plans and loading conditions, along with final site development plans, are established, as discussed further in the report. Empire can assist in planning the locations and scope of the additional explorations and evaluations that may be necessary for final design.

Closing

Additional more detailed site condition findings, along with considerations and recommendations for permitting, planning and preliminary design of the proposed site redevelopment project are presented in the Geotechnical Evaluation Report, which follows.

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1.00 INTRODUCTION

1.10 GENERAL

This report summarizes the results of a subsurface exploration program and geotechnical engineering evaluation completed by Empire Geo-Services, Inc. (Empire) for a proposed mixed use redevelopment project being considered on the site of the Westwood Country Club off North Forest Road in Amherst, New York. The approximate location of the project site is shown on Figure No. 1.

Mensch Capital Partners, LLC (Mensch) retained Empire to complete this work, which was done in accordance with our proposal dated October 11, 2013. This work was completed to evaluate the geotechnical characteristics of the site, with regard to foundation support of the proposed mixed use buildings being considered for redevelopment of the site, and to provide preliminary geotechnical design and construction considerations / recommendations to assist the design team with planning and preliminary design.

The subsurface exploration program completed by Empire consisted of a total of forty-nine (49) test borings advanced across the site, of which thirty (30) borings were advanced to apparent bedrock refusal at depths ranging between 13.5 feet and 62.5 feet, with the remaining nineteen (19) borings being advanced to a planned depth of 20 feet and then terminated. Bedrock was cored in seven (7) of the test borings advanced to refusal. In addition, three (3) groundwater observation wells were installed and geotechnical laboratory testing of selected recovered soil samples was also completed. SJB Services, Inc. (SJB), our affiliated drilling and materials testing company, completed the test borings and laboratory testing for the subsurface exploration program.

On this basis, Empire prepared this report, which summarizes the subsurface conditions encountered by the test borings, groundwater observation wells and laboratory testing, and presents preliminary geotechnical engineering considerations and recommendations to assist in planning and preliminary design of the site redevelopment. Specifically our evaluation addresses the soil, bedrock and groundwater conditions present on the site, with regard to their impacts on foundation, slab-on-grade floor construction, underground utility construction and pavement construction.

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1.20 SITE DESCRIPTION AND PROPOSED DEVELOPMENT PROJECT

The proposed site redevelopment project comprises approximately 170 acres and is bounded within the area of Maple Road to the north, North Forest Road, Ellicott Creek and the Audubon Par 3 Golf Course to the east, Sheridan Drive to the south and Frankhauser Road and Fairways Boulevard to the west. The redevelopment project is generally proposed within the existing Westwood Country Club golf course area, which currently consists of the golf tees, fairways, hazards, greens along with bordering cart paths, tall grass, trees, brush and ponds. The main club house building, pool and tennis amenities, maintenance buildings, access drive and parking lot areas are located in the southeast portion of the site, with access from North Forest Road. Grades across the site gradually drop in elevation about 10 to 13 feet from south (i.e. Sheridan Drive) to north (Maple Road). Figure No. 2 presents an aerial photograph of the existing site, along with the approximate locations of the test borings plotted on the plan.

The proposed redevelopment project is currently planned to include the following:

- 1 to 2 story single family residential home lots in the northern eastern portion of the site;
- Adjoining 1 to 2 story townhome style residential units in the northern western portion of the site;
- Larger 1 to 2 story single family residential home lots in the eastern center portion of the site;
- An approximate 30 acre parcel in the west center potion of the site for senior living development;
- Mixed use town center type development in the southern portion of the site including commercial/retail buildings, office buildings, multi family townhomes and multi family apartments; and
- Re-use of the existing club house building for conference and reception use, in association with construction of an adjoining hotel building.

In addition the project will also include construction of roadways, access drives and parking lot areas with access to the development from Sheridan Drive and Maple Road. Figure No. 3 presents a conceptual plan of the proposed site development along with the approximate locations of the test borings plotted on the plan.

The1 to 2 story single family residential homes and townhome residential units are expected to consist of wood framed construction, with possible basement structures. The commercial/retail buildings, office buildings, multi family townhomes and multi family apartments are also expected to be 1 to 2 stories with

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either wood or steel frame type construction, and with at grade ground floors constructed as slab-on-grade. Accordingly, basements are not anticipated for these structures. The new hotel building is expected to be multiple-story with steel frame or masonry with pre-cast plank type construction. The hotel building is also not expected to include a basement structure.

At this time the final building configurations and structure loads have not been established. The development plan currently anticipates that the building structures can generally be supported using conventional spread foundation systems, although it is understood that deep foundation systems could be necessary in some cases, depending on the actual structure loads and soil conditions present.

2.00 SUBSURFACE EXPLORATION

The subsurface exploration program completed to characterize the subsurface conditions consisted of a total of forty-nine (49) test borings, designated as B-1 through B-49. In addition, groundwater observation wells were installed in three (3) of the test borings (B-6, B-24 and B-48). The test borings and groundwater observation well installations were completed by SJB between December 3rd, 2013 and February 5, 2014. The approximate locations of the test borings with respect to an aerial photograph of the existing site are shown on Figure No. 2 and the approximate locations of the test borings with respect to the currently proposed conceptual site development plan are shown on Figure No. 3.

The proposed test boring locations were initially established on a site plan, along with location coordinates, prepared by Nussbaumer & Clarke, Inc. (N&C), which were provided to Empire through Mensch. The boring locations were established to provide general coverage over the project site. Using this plan and the location coordinates, SJB then staked the boring locations in the field using hand held global positioning satellite (gps) instrumentation and visual observations referenced to existing site features. The locations should be considered accurate only to the degree implied by the methodologies used.

The ground surface elevation at each test boring location was measured and recorded by SJB using laser survey level techniques. The elevations were referenced to the rim of an electrical manhole (benchmark established by SJB) located off the front of the existing golf cart storage building, located in the south center portion of the site. The approximate location of the benchmark is shown on Figure No. 2 and has an elevation El. datum of 602.38 feet, as measured and reported by N&C.

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Thirty (30) borings were advanced to apparent bedrock refusal at depths ranging between 13.5 feet and 62.5 feet, with the remaining nineteen (19) boring advanced to a depths ranging between about 18 feet and 22 feet. Bedrock was cored in seven (7) of the test borings advanced to refusal (borings B-1, B-4, B-29, B-31, B-43, B-45 and B-47). The borings advanced to apparent bedrock refusal and the borings advanced to a depth of 18 to 22 feet (scheduled to be 20 feet) are designated on Figures No. 2 and No. 3.

The test borings were made using a Central Mine Equipment (CME) model 550X and a CME model 550SE rubber tire, all terrain drill rigs, using hollow stem auger and split spoon sampling techniques. Split spoon samples and Standard Penetration Tests (SPTs) were taken continuously from the ground surface to a depth of 12 feet or 16 feet and in intervals of five feet or less below the zone of continuous sampling until boring completion. The split spoon sampling and SPTs were completed in general accordance with *ASTM D 1586 - "Standard Test Method for Penetration Test and Split-Barrel Sampling of Soils"*.

After reaching auger refusal at test boring locations B-1, B-4, B-29, B-31, B-43, B-45 and B-47 the refusal material encountered was cored using a NQ size double tube core barrel in accordance with *ASTM D 2113 – "Standard Practice for Rock core Drilling and Sampling of Rock for Site Investigation"*. Five (5) feet of bedrock was cored at each of these locations.

Groundwater observation wells were installed in test borings B-6, B-24 and B-48 to help assess groundwater levels on the site. The wells were installed with hollow stem auger drilling techniques in general accordance with *ASTM D5092 Standard Practice for Design and Installation of Ground Water Monitoring Wells in Aquifers*. The well installation consisted of a 2-inch diameter PVC well screen and riser pipe with sand filter, bentonite seal and soil backfill. A protective flush mount surface casing and surrounding concrete seal were installed at the surface of boring B-6 to finish the well installation. The wells installed at borings B-24 and B-48 were completed with a PVC stickup riser and cap, and without a protective surface casing. Additional details regarding the construction of the observation wells are shown on the Monitoring Well Completion Records presented following their respective test boring logs in Appendix A.

A geologist from SJB prepared the test boring logs based on visual observation of the recovered soil samples and bedrock core, along with review of the driller's field notes. The soil samples were described based on visual/manual estimation of the grain size distribution, along with characteristics such as color, relative density, consistency, moisture, etc. In addition the Unified Soil Classification System

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(USCS) group symbols were also established and are presented on the logs for the soil types encountered. The recovered rock core samples were also described, including characteristics such as color, rock type, hardness, weathering, bedding thickness, core recovery and rock quality designation (RQD). The test boring logs are presented in Appendix A, along with general information and a key of terms and symbols used to prepare the logs.

3.00 LABORATORY TESTING PROGRAM

Selected recovered soil samples were tested in SJB's geotechnical testing laboratory to confirm the visual soil classifications and provide index properties to aid in our evaluations. The laboratory testing program included the following index tests:

1. Moisture content in accordance with *ASTM D 2216 – "Standard Test Method for Laboratory Determination of Water (Moisture) Content of Soil and Rock by Mass"*.

2. Grain size distribution in general accordance with *ASTM C136 – "Standard Test Method for Particle-Size Analysis of Soils"*;

3. Liquid limit, plastic limit and plasticity index in accordance with *ASTM D 4318 – "Standard Test Method for Liquid Limit, Plastic Limit and Plasticity Index of Soils"*.

4. In addition, the samples tested for liquid limit, plastic limit and plasticity index were also tested for shrinkage limit in accordance with *ASTM D 427 – "Test Method for Shrinkage Factors of Soils by Mercury Method"*. Using the shrinkage test data and the moisture content data, Empire calculated the coefficient of linear extensibility (COLE factor) of the clay soils at the various measured moisture contents, to qualitatively evaluate their shrinkage potential. The COLE factors were determined following a procedure similar to those described in the *Soil Survey Investigation Report No. 42, Soil Survey Laboratory Methods Manual 1996, USDA, NRCS, NSSC.*

The soil samples tested for the above index properties, as well as a summary of the results, are presented on Table 1.

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Composite soil samples were also prepared from test borings B-6 (samples S-2 through S-4, 2.0'-8.0'); B-34 (samples S-2 through S-5, 2.0'-10.0'); and B-45 (samples S-2 through S-5, 2.0'-10.0') and were tested for the following:

- Resistivity, redox, pH, moisture, and sulfides according to procedures established by the Ductile Iron Pipe Research Association (DIPRA test) to provide an indication of the corrosion potential of the on-site soils with regard to buried metallic conduits; and

- Sulfate and chloride concentration in the soils, with regard to potential impacts on buried concrete structures.

This laboratory test data is also presented in Appendix B, as well as summarized on Table 1.

4.00 EXISTING SITE INFORMATION

As part of our study Empire researched existing information concerning the geologic and flood plain conditions present in the Westwood Country Club site area. This included:

- USDA - Natural Resource Conservation Service - Soil Survey for Erie County (http://websoilsurvey.nrcs.usda.gov/app/WebSoilSurvey.aspx);

- NYSED – New York State Museum and Science Service - Surficial Geology and Bedrock Geology Maps (http://www.nysm.nysed.gov/gis/); and

- Erie County On-Line GIS Mapping System – FEMA Flood Plain Mapping (http://gis1.erie.gov/Geocortex/Essentials/Web/viewer.aspx?Site=FEMA&reloadkey=true).

4.10 SOIL SURVEY INFORMATION

The USDA – Erie County Soil Survey data indicate that the surficial soils (i.e. soils typically within the upper 5 feet of the existing ground surface) within the Westwood Country Club facility site consist predominately of "clay loam", "silt loam", and "loamy fine sand" type soils. These surficial soil types are similarly classified as CL, ML and SM group soils using the Unified Soil Classification System (USCS), respectively.

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These soils typically consist of silty clay, clayey silt, non-plastic silt and silty fine sand and are of a medium-low to low permeability (i.e. poor draining). These soils are also considered to be highly moisture sensitive and have a relatively poor value (i.e. difficult to place and compact) as subgrade fill material to raise site grades beneath slab-on-grade and pavement construction. The locations of the various surficial soil types, as mapped by the Erie County Soil Survey, are presented in Appendix C1.

4.20 SURFICIAL AND BEDROCK GEOLOGY

Geologic maps prepared by the New York State Geological Survey indicate the surficial overburden soils present within the Westwood Country Club facility site consist predominately of glacial till deposits of clay, silt and bouldery clay, with glacial outwash deposits of sand and gravel along Ellicott Creek.

The geologic maps indicate the uppermost bedrock formation in this area is the upper (late) Silurian period, Camillus Shale formation of the Salina Geologic Group. This bedrock formation is characterized as medium hard, weathered to sound Shale rock, with occasional gypsum partings and seams and has a generally fair to good rock mass quality.

Excerpted portions of the surficial soil and bedrock geologic maps, along with applicable associated legends, are presented in Appendix C2.

4.30 FLOOD PLAIN MAPPING

Review of the FEMA flood plain mapping indicates the 500 year and 100 year flood plains from Ellicott Creek extend into the eastern portions of the Westwood Country Club facility site. The 500 year flood elevations range from El. 595 feet to El. 594 feet where it extends onto the site from the southern end to the center portion, and at about El. 593 feet where it extends onto the northern portion of the site.

The flood plain mapping obtained from the Erie County On-Line GIS Mapping System is presented in Appendix C3.

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5.00 SUBSURFACE CONDITIONS

5.10 GENERAL SUBSURFACE CONDITIONS ENCOUNTERED

The test borings completed at the site encountered soil and bedrock conditions generally similar to those indicated by existing site information which was researched, as described above in Section 4.00. The stratigraphy encountered in the test borings consisted generally of surface topsoil, along with man placed fill or disturbed indigenous soils typically extending to depths ranging between about 2 feet and 5 feet, which are underlain by indigenous glacial till deposited silty clay, clayey silt, silt, and silty or clayey sand soils, overlying Shale Bedrock.

The consistency of the cohesive silty clay and clayey silt soils typically ranged between medium and hard, while the more granular silty or clayey sand soils and the non-plastic silt soils were typically of a firm to very compact relative density. Deeper soft to very soft clay soil deposits having SPT "N" values of less than 4 or "woh - weight of hammer" (i.e. the sample spoon was advanced with only the weight of the drop hammer and drill rods applied statically to the sample spoon), were encountered in only a few test borings (B-1, B-18, B-20 and B-25). Accordingly, significant deposits of wet, highly compressible, soft to very soft clays, as present in other portions of northern Amherst, are generally absent within this site.

Shale bedrock, as indicated by the auger refusal conditions, and confirmed by rock coring, was encountered at depths ranging between about 13.5 feet (boring B-10) and 62.5 feet (boring B-1), with corresponding elevations ranging between approximately El. 586.9 feet to El. 543.4 feet, with an average elevation of about El. 560.1 feet.

Groundwater levels measured in the groundwater observation wells (B-6, B-24 and B-48) ranged between depths of 0.6 feet, 8.2 feet and 2.4 feet bgs, respectively, during the site visit on April 1st, 2014.

The soil and bedrock stratigraphy encountered and the groundwater conditions observed are described in more detail in the following sections and on the test boring logs presented in Appendix A. Also included, is a table (Table 2) summarizing the surface topsoil depths, the depths and bottom elevation of the man-placed fill, the depth and elevation of auger refusal (i.e. apparent bedrock refusal), and the groundwater observations made in the test borings and the wells installed for this investigation.

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5.20 SURFACE MATERIALS AND FILL SOILS

The driller noted a distinct topsoil layer at the ground surface of most of the test borings, with the exception of test borings B-21, B-27 and B-38. The topsoil thickness typically ranged between about 2-inches and 14-inches, based on the driller's measurements and interpretation of topsoil. These measurements are widely spaced and are subject to interpretation. Therefore, these measurements should not be solely relied on for construction quantity estimates.

Beneath the topsoil and at the ground surface of the remaining test borings, man placed fill and/or disturbed or reworked indigenous soils were encountered at most of the test boring locations. The fill soils consisted of red-brown, brown-black and black clayey silt and silty clay soils with occasional zones or inclusions of organics, cinders and wood. The fill, where present, was typically found to extend to depths ranging between about 2 feet and 5 feet bgs.

Most of the fill soils are similar in character to the indigenous soils and appear were most likely placed during past site grading associated with the country club development. It can be expected that fill soils will also be present, and will extend to the bottom of the existing foundations near and adjacent to the existing building structures and amenities as well as to the bottom of previous excavations for existing utility lines within the site.

5.30 INDIGENOUS SOILS

The indigenous soil deposits encountered beneath the surface materials and fill consisted predominately of glacial till deposited silty clay, clayey silt, silt and silty or clayey sand soils, which also contain some intermixed gravel, apparent occasional cobbles/boulders and shale fragments. These indigenous soil deposits were found to extend to the top of bedrock. The indigenous soils are classified as CL, CH, ML, SM-SC and SM group soils using the Unified Soil Classification System (ASTM D2488).

Standard Penetration Test (SPT) "N" values obtained in the indigenous silty clay and clayey silt soils ranged from "woh - weight of hammer" (i.e. the sample spoon was advanced with only the weight of the drop hammer and drill rods applied statically to the sample spoon), to "REF – sample spoon refusal" (i.e. 50 blows to advance the split spoon with 6-inches or less of penetration). The SPT "N" values indicate the consistency of the fine grained cohesive clayey silt and silty clay soils vary from very soft to hard, while the relative density of the more granular silty sand soils and non-plastic silt soils vary from loose to very compact.

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Some limited zones of deeper soft to very soft clay soil deposits having SPT "N" values of less than 4 or "woh - weight of hammer" (i.e. the sample spoon was advanced with only the weight of the drop hammer and drill rods applied statically to the sample spoon), were encountered in only a few test borings (B-1, B-18, B-20 and B-25). Accordingly, significant deposits of soft to very soft clays, as present in other areas of northern of Amherst, are generally absent within this site. Some soft clay soils were also present in the upper reaches of a few of the test borings (B-8, B-9, B-11, B-19, and B-22).

5.40 BEDROCK

As discussed above, thirty (30) of the test borings were advanced through the overburden until auger refusal (presumed bedrock refusal) was encountered at depths ranging between about 13.5 feet (boring B-10) and 62.5 feet (boring B-1), with corresponding elevations ranging between approximately El. 586.9 feet to El. 543.4 feet. The borings, as well as the depth and elevation where auger refusal (presumed bedrock refusal) was encountered are summarized on Table 2. Within test borings B-7 and B-22 a zone of weathered Shale was encountered before reaching auger refusal.

Bedrock core samples were obtained from test borings B-1, B-4, B-29, B-31, B-43, B-45 and B-47 after reaching auger refusal. Five (5) feet of bedrock was cored at each of these locations. The bedrock core recovered consisted generally of gray, medium hard, sound, thinly bedded to bedded Shale Rock, with occasional partings, seams and layers of gypsum. Within test boring B-31, the recovered shale rock core was described as being partially slightly weathered and laminated.

The shale bedrock recovered is part of the Camillus Shale geologic formation. The core recoveries ranged between 100% and 50%. The rock quality designation (RQD) values ranged between 20% and 82% indicating the recovered rock cores have a varying rock mass quality ranging between "very poor" and "good".

5.50 GROUNDWATER CONDITIONS

Water level measurements were made in most of the test borings at the completion of overburden drilling and soil sampling. Freestanding water was encountered in borings B-1, B-4, B-5, B-9, B-14, B-20, B-21, B-25, B-26, B-29, B-36, B-37, B-40, B-43, B-45 and B-47 at depths ranging from 13.6 feet to 53.4 feet bgs. These water levels correspond to elevations ranging between El. 586.7 feet and El. 552.5 feet. Each of these borings were advanced to auger refusal (presumed bedrock refusal).

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No freestanding water was recorded following the completion of overburden drilling and sampling, at the remaining test borings advanced to auger refusal or at the shallower test borings (i.e. test borings advanced to a depth of 18 to 22 feet and terminated). It is possible that in many cases within the deeper test borings, that groundwater may not have had sufficient time to accumulate and/or stabilize in the boring holes within the time that had elapsed from the completion of soil drilling operations and the time of the observations / measurements.

Following coring at boring locations B-4, B-43 and B-48, freestanding water was recorded at depths of 20.0 feet, 10.0 feet and 10.0 feet respectively below the existing ground surface. These depths correspond to elevations ranging between El. 581.5 feet and El. 583.2 feet. We note that water was added to these test borings to facilitate the rock coring. Water level measurements were not obtained at the completion of coring at the remaining rock core borings (B-1, B-29, B-31 and B-47).

A 2-inch diameter, PVC, groundwater observation well was installed in borings B-6 B-24 and B-48 following the completion of drilling. The wells installed at borings B-24 and B-48 extend to presumed top of bedrock (auger refusal) at depths of 41.3 feet and 31.0 feet, respectively. The well installed at boring B-6 is seated within the silty clay and clayey silt soils at a depth of 22.0 feet.

A geotechnical engineer visited the site on February 7th, February 17th, March 4th, and April 1st, 2014 to record the water level in the wells. The water level depths and corresponding elevations are as follows:

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Groundwater Observation Well Water Level Depths and Elevations			
Boring / Well No.	Ground Surface El. (feet)	Water Level Depth (feet)	Water Level El. (feet)
February 7th, 2014			
B-6	603.1	1.1	602.0
B-24	598.6	30.1	568.5
B-48	595.8	3.6	592.2
February 17th, 2014			
B-6	603.1	2.1	601.0
B-24	598.6	13.1	585.5
B-48	595.8	4.5	591.3
March 4th, 2014			
B-6	603.1	4.4	598.7
B-24	598.6	8.1	590.5
B-48	595.8	3.5	592.3
April 1st, 2014			
B-6	603.1	0.6	602.5
B-24	598.6	8.2	590.4
B-48	595.8	2.4	593.4

The water levels observed and measured in the wells, particularly at boring locations B-6 and B-48, may in part be the result of wet surface conditions or perched water present in the upper soils. Based on the water levels obtained at the completion of coring in borings B-4, B-43 and B-48, as well as the readings obtained in borings B-9, B-20 and B-25 following completion soil sampling to auger refusal, and the level in well B-24 tends to suggest that a permanent groundwater table may be present at elevations in the range of about El 580 feet to El. 589 feet, although this is not confirmed by the other groundwater observation wells at this time. Continued monitoring of the water levels in the existing wells, particularly into the summer months, as well as the installation of additional wells is recommended to better confirm the depths / elevations of permanent groundwater conditions present on the site.

It also appears that zones of perched or trapped groundwater are present in the topsoil and fill soils at or near the ground surface, at various locations on the site, due to the relatively low permeability of the underlying soils present, and depending on site drainage conditions. Such conditions were observed during the subsurface exploration where areas of standing water and spongy surface conditions were present, hindering some of the drill rig access. These conditions can be particularly

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more prevalent following heavy or extended periods of precipitation and during seasonally wet periods, and therefore should be anticipated with the new development site preparation. The clayey and silty fill and indigenous soils encountered are considered to be poor draining soils.

6.00 LABORATORY TEST RESULTS

6.10 SHRINKAGE / SWELL POTENTIAL OF CLAY SOILS

A total of thirteen (13) silty clay / clayey silt soil samples, obtained at various locations and depths as summarized on Table 1, were evaluated qualitatively for shrinkage potential using soil shrinkage and moisture content index test data from the laboratory testing program.

The range of moisture content, liquid limit, plastic limit, plasticity index and shrinkage limit of the clay type soil samples tested, were as follows:

Index Property	Range
Moisture Content	10.7 % to 28.1 %
Liquid Limit	20 % to 61 %
Plastic Limit	12 % to 25 %
Plasticity Index	8 to 37
Shrinkage Limit	12 % to 23 %

The plasticity indices indicate the clay soils vary between a low and high plasticity. Based on the moisture contents and the shrinkage test data, the COLE factors determined ranged from 0 to 0.034.

The laboratory test data and COLE factors calculated suggest that the silty clay soils encountered within the upper reaches of the site below the immediate surface soils, (i.e. within the anticipated depths of proposed spread foundations) are partially desiccated and have a generally non-existent to low potential susceptibility to shrinkage. Therefore, spread foundation settlement should generally be limited to normal consolidation settlement as a result of the compressive structural loads.

The following conditions were noted to support these conclusions.

1. The moisture content of the clay soil samples tested were either lower or just slightly above their shrinkage limit.

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2. The COLE factors determined generally ranged from 0 to 0.025, with one sample slightly greater at 0.034.

COLE factors of 0 correlate to a non-existent shrinkage potential. COLE factors between 0 and 0.03 correlate to a low shrinkage potential. COLE factors of 0.03 to 0.06 correlate to a moderate shrinkage potential and COLE factors of about 0.06 and greater correlate to a high to very high shrinkage potential.

With regard to potential swelling, the clay soils would have to be in a loose condition and be inundated with water for long periods to cause saturation and potential swelling. Given the relatively medium stiff to hard nature of the indigenous clay soils and their inherent low permeability it is unlikely saturation and potential swelling of these soils would occur in an undisturbed state. We note, however the upper surficial clayey silt /silty clay fill soils are in a less dense condition and may be more susceptible to potential shrinkage and swelling, where they are inundated with poor draining surface water.

In addition, drying and re-wetting cycles occurring in clayey fill soils, if used to backfill the foundation walls, could result in soil swelling/shrinkage cycles that can exert additional lateral pressures acting on earth retaining foundation walls. Such action may cause cracking and distortion of the walls if not properly accounted for. Accordingly, to reduce risks associated with the potential for soil expansion and minimize the potential for additional lateral earth pressures to act on the walls, the backfill against any earth retaining structures (i.e. basement foundation walls, depressed crawl space walls, pit structures, etc,) should consist of a suitable non-plastic soil such as a granular sand and gravel backfill material or a crusher run stone Structural Fill material.

6.20 SOIL CORROSION AND SULFATE ATTACK POTENTIAL

Three (3) composite soil samples were prepared from the samples obtained from the upper reaches of test boring locations B-6, B-34 and B-45. The composite samples were tested for resistivity, redox, pH, and sulfides according to procedures established by the Ductile Iron Pipe Research Association (DIPRA). These samples were also tested for chlorides and sulfates.

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This analytical laboratory test data is included in Appendix B and is also summarized in the following tables.

Summary of DIPRA Test Results							
Test Boring	Sample Depth (feet bgs)	Resistivity (ohm-cm)	Redox (mv)	ph	Sulfides	Moisture (%)	Total DIPRA Points
B-6	2 to 8	15,000	-35.2	7.0	Negative	9.5	6
B-34	2 to 10	11,500	-22.6	6.4	Negative	8.9	6
B-45	2 to 10	2,700	9.0	7.6	Negative	23.9	7

Based on the DIPRA publication "American National Standard for Polyethylene Encasement for Ductile Iron Pipe Systems", if the total DIPRA points exceed 10, the soil is considered corrosive to ductile iron pipe, and protection against exterior corrosion should be provided.

Based on the test results, the site soils tested appear to have a low corrosion potential to ductile iron waterline pipes and other buried metallic pipes/elements. Accordingly, cathodic protection or a suitable protective coating of metallic pipes and conduits, to resist potential corrosion, does not appear necessary.

Summary of Chloride and Sulfate Test Results			
Test Boring	Sample Depth (feet bgs)	Chloride (mg/kg)	Sulfate (mg/kg)
B-6	2 to 8	15	N.D.
B-34	2 to 10	10	N.D.
B-45	2 to 10	18	N.D.

N.D. – Non Detectable within test parameters.

Based on the sulfate concentrations, the soils, which make up these samples, are considered to have a negligible potential for sulfate exposure. Accordingly, a Type I-II Portland Cement appears will be acceptable for the concrete structure elements placed in these soils.

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Refer to the laboratory test data included in Appendix B for more information.

7.00 PRELIMINARY GEOTECHNICAL CONSIDERATIONS AND RECOMMENDATIONS FOR SITE DEVELOPMENT

7.10 GENERAL CONSIDERATIONS

The following general considerations and recommendations are provided to assist with the permitting, planning and preliminary design for the proposed mixed use redevelopment project being considered on the site of the Westwood Country Club. This information is based on the recently completed geotechnical investigation, which included 49 test borings completed across the site to characterize the soil and bedrock conditions present, groundwater observations during drilling and from 3 installed wells to assess groundwater conditions present on the site, and laboratory testing to further characterize soil conditions. Additional investigations and further evaluations will be necessary, as discussed below, for final design once final building development plans and loading conditions, along with final site development plans, are established.

Topsoil, along with underlying man-placed fill or disturbed indigenous soils, were encountered at the surface of most of the test boring locations. The topsoil thickness typically ranged between about 2-inches and 14-inches, based on the driller's measurements and interpretation of topsoil. The fill, where present, was typically found to extend to depths ranging between about 2 feet and 5 feet bgs.

The indigenous soils encountered consist predominately of medium stiff to hard silty clay and clayey silt and firm to very compact silty or clayey sand deposits with some intermixed gravel, and occasional cobbles/boulders and shale fragments. These soils are non-organic, and are not considered to be highly compressible, nor highly susceptible to shrinkage, swelling, or liquefaction. Significant deposits of highly moist, soft to very soft clays, as present in other areas of northern Amherst and which have been problematic to residential foundation/structure movement and distress (i.e. basement foundation subsidence / settlement and lateral movement), appear to be generally absent within this site.

Accordingly, the indigenous soil conditions encountered in the test borings are generally considered suitable to support the anticipated residential and mixed use structure loads using conventional spread foundation systems. Spread foundations and any underlying Engineered Fill (i.e. compacted Structural Fill or suitable flowable backfill material), however, will need to bear on suitable indigenous soil

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subgrades established below the upper existing man-placed fill and disturbed indigenous soils.

In a few cases (i.e. within borings B-9, B-11, B-19, B-21, B-22 and B-45) some limited zones of weaker soils were encountered which may impact the use of spread foundations from a structure bearing capacity and settlement stand point, particularly if a multiple-story more heavily loaded building structure would be proposed at or near these locations. Accordingly, these conditions possibly may require consideration of deep foundations (i.e. driven piles) for multiple-story more heavily loaded building structures at or near these locations.

The existing fill and indigenous soil subgrades are also considered to be generally suitable for basement, at-grade and garage slab-on-grade floor construction, with proper site preparation. The soils encountered are also considered generally suitable for construction of the proposed infrastructure, including the roadways, parking lots, storm and sanitary sewers, waterlines and retention pond structures.

Based on the water level observations made in the test borings, as well as in the groundwater observation wells, it appears that a permanent general groundwater zone (i.e. groundwater table) should generally not be encountered within the excavations for shallow spread foundations and shallow utility construction. The groundwater observations made during drilling and in well B-24 suggest that a permanent groundwater table may be present at elevations in the range of about El 580 feet to El. 589 feet, although this was not confirmed by all of the groundwater observation wells at this time.

Zones of perched or trapped groundwater are also present in the topsoil and upper fill soils at or near the ground surface, at various locations on the site, due to the relatively low permeability of the underlying soils present, and poor site drainage conditions. These conditions therefore will make site stripping and subgrade preparation difficult, particularly during wet periods.

Given, the relatively low to medium low permeability of the soils present, both permanent and perched groundwater seepage if encountered should be relatively slow and of low quantities. Accordingly, these conditions should not significantly impact basement and utility construction. It is anticipated that conventional sump and pump methods of dewatering should generally be sufficient to control surface water, as well as permanent and perched groundwater seepage conditions, should they be encountered.

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Based on the subsurface conditions encountered, the overall site should be classified as Seismic Site Class "D" in accordance with Table 1613.5.2 of the Building Code of New York State - December 2010 (NYS Building Code). As previously stated, the soil conditions encountered are not considered to be susceptible to potential liquefaction in the case of a seismic event. Therefore, seismic design may be based on these criteria.

The following sections present additional and more detailed geotechnical considerations and recommendations to assist with permitting, planning, and preliminary design of the proposed site redevelopment project.

7.20 FOUNDATION SUPPORT

As stated above, the indigenous soil conditions encountered in the test borings are generally considered suitable to support the anticipated residential and mixed use structures using conventional spread foundation systems. Preliminarily, it is expected that spread foundations can be sized, based on net allowable bearing capacities in the range of about 2,000 to 4,000 pounds per square foot (psf) ±, depending on location, foundation bearing depths and actual structure loads.

Spread foundations should bear on suitable, undisturbed, indigenous soil bearing grades, after the removal of all fill soils and any unsuitable indigenous soft or wet soils. Alternatively, the foundations may also bear on Engineered Fill (i.e. compacted Structural Fill or flowable backfill), which is placed over the suitable indigenous soil bearing grades, following excavation and removal of fill soils and any unsuitable indigenous soils which are present below the design bearing grade elevation of the footings.

Suitable indigenous soil bearing subgrades should consist of stiff to hard silty clay and clayey silt soils or firm to very compact silty or clayey sand soils. Suitable bearing subgrade conditions were typically encountered in the test borings at depths ranging between about 2 feet and 5 feet bgs. At boring locations B-19 and B-22 suitable bearing subgrade conditions were deeper at about 10 feet and 6.5 feet, respectively.

In a few cases (i.e. within borings B-9, B-11, B-19, B-21, B-22 and B-45) zones of weaker soils were encountered which may impact the use of spread foundations. Accordingly, these conditions possibly may require consideration of a deep foundation system; particularly if multiple-story more heavily loaded building structures would be proposed at or near these locations.

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Driven H-piles or pipe piles driven to refusal on the Shale bedrock appear would be the best suited deep foundation system option for the site conditions present. Zones of gypsum present in the Shale bedrock may require socketting of drilled piers in the bedrock in order to bear the piers on suitable bedrock below these zones. Therefore, it appears the use of drilled piers would be less favorable from both a constructability and economic standpoint.

For preliminary information, a driven HP12x53 H-pile, driven to refusal on the bedrock, would be expected to develop an axial compressive capacity in the range of about 100 to 120 tons ± per pile. Other pile sections can also be used, based on product availability and costs, which would provide higher or lower allowable axial capacities, based on the actual pile section.

7.30 BASEMENT STRUCTURE DESIGN CONSIDERATIONS

Basement structures should be designed for lateral earth pressures caused by the load of backfill against the wall and the surcharge effects from any permanent or temporary loads. In addition suitable foundation drainage should be provided to relieve potential hydrostatic pressure from developing against the basement walls and floors due to the possible presence of groundwater. In this case suitable damp proofing of the walls and floors should also be provided. Alternatively, the basement structures could also be designed to resist potential full hydrostatic pressure. In such case the basement structure should also be fully water proofed.

Where suitable foundation drainage is provided, the basement walls can be designed for "at rest" lateral earth pressure computed on the basis of an "equivalent fluid unit weight" of 70 pounds per cubic foot (pcf). This is based on the assumption that the wall backfill beyond the drainage system is a suitable well draining granular backfill material, such as a crusher run stone Structural Fill.

The use of the on-site clayey silt, silty clay and silty or clayey sand soils to backfill the basement walls is not recommended as they will be susceptible to potential swelling in a looser disturbed state, which could cause additional lateral pressures on the basement walls. The on-site soils could be used, however, to backfill non-earth retaining foundation walls provided they can be properly placed and compacted to a stable and well engineered condition.

The foundation drainage system should be properly designed, installed and maintained for long-term performance and should drain to a sump and pump system or a gravity drain relief point, which is not susceptible to potential backup.

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The foundation drainage system should include a drainage/separation geotextile installed around drainage stone, which surrounds a slotted under-drain pipe. The drainage stone should be sized in accordance with the pipe slotting. A crushed aggregate conforming to NYSDOT Standard Specifications Section 703-02, Size Designation No. 1 (½-inch washed gravel or stone) is generally acceptable for slotted under-drain pipe. The foundation under-drain pipes should be set at a depth of about 1 foot below the top of the finish basement floor grade.

A pervious granular backfill (i.e. concrete sand or crusher run stone) or a suitable geosynthetic drainage composite (i.e. Miradrain, Grace Hydroduct, Delta MS, etc.) should be placed against the basement foundation wall, above the drainage system, to allow infiltration to the drainage system.

7.40 SLAB-ON-GRADE FLOOR CONSTRUCTION

The building floors can be constructed as slab-on-grade following proper subgrade preparation as outlined in Section 7.80. For preliminary design purposes, a minimum of 6-inches of Subbase Stone is recommended beneath the lightly loaded floor slabs (residential floors, lightly loaded office floors, etc.). A minimum 12-inch thick layer of Subbase Stone is recommended beneath more heavily loaded floor slabs (i.e. garage areas, storage areas, mechanical rooms, etc.). A suitable stabilization/separation geotextile, such as Mirafi 500X, should be placed over the existing soil or fill soil subgrades prior to placement of the Subbase Stone layer.

An imported suitable granular fill material is generally recommended to be used as subgrade fill to raise the site grades, beneath the Subbase Stone course for the slab-on-grade construction. The use of the soils from the site may be possible for the building pad site filling, provided the soil can be properly placed and compacted in a controlled manner, as discussed further in Section 7.80 below.

In order to limit potential post construction settlement, due to required site filling, we recommend the subgrade fill placement, in areas requiring more than about 2 to 3 feet of fill, be completed at least 1 to 2 months month in advance of the final subgrade preparation, Subbase Stone placement, and floor slab construction.

Preliminarily, the slab-on-grade floor slabs may be designed using a modulus of subgrade reaction of 150 pounds per cubic inch (pci) at the top of the subbase layer. It is recommended that the slab-on-grade be constructed such that it is not structurally connected to, or resting directly on, perimeter walls or column footings in order to limit differential settlement effects.

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The above subbase stone thicknesses should not be considered sufficient for carrying construction vehicle loads. Therefore, contingencies should be planned for to temporarily increase the Subbase Stone thickness within the building pad areas to provide a suitable working surfaces to stage the construction, carry construction vehicle loads and protect the underlying subgrades. This will be particularly important when wet periods occur. The additional subbase stone material could then be removed and re-graded in preparation for the actual floor construction and/or re-used as foundation backfill or as pavement area subbase or as otherwise determined appropriate.

A moisture barrier is generally not considered warranted where the floor slabs are constructed at or above the final site grades, unless otherwise recommended by the finished flooring manufacturer. A suitable moisture barrier, however, is recommended beneath the below grade floor areas (i.e. basement areas) to reduce the potential for dampness.

7.50 SEISMIC DESIGN CONSIDERATIONS

Based on the subsurface conditions encountered in the test borings, the upper 100 feet of the site should be classified as Seismic Site Class "D" in accordance with the criteria presented on Table 1613.5.2 of the Building Code of New York State - December 2010 (NYS Building Code). The soil conditions encountered are generally not considered to be susceptible to potential liquefaction in the case of a seismic event. Therefore, seismic design may proceed based on these considerations.

The spectral response accelerations in the project area were obtained by Empire using the United States Geological Survey (USGS) web site application (https://geohazards.usgs.gov/secure/designmaps/us/). These accelerations were then adjusted, as recommended by the USGS, to obtain the 2% probability in 50 years mapping accelerations, as presented in the NYS Building Code.

Using the site location, the calculated spectral response accelerations for Site Class "B" soils are 0.221g for the short period (0.2 second) response (S_S) and 0.051g for the one second response These spectral response accelerations were then adjusted for the Seismic Site Class "D" soil profile determined for the project site.

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Accordingly, the adjusted spectral response accelerations for Site Class "D" are as follows:

- Short Period Response (S_{MS}) - 0.354g
- 1 Second Period Response (S_{M1}) - 0.122g

The corresponding five percent damped design spectral response accelerations (S_{DS} and S_{D1}) are as follows:

- S_{DS} - 0.236g
- S_{D1} - 0.081g

It is possible that a seismic shear wave velocity study of the site may refine and possibly upgrade the seismic design site class. This may be particularly beneficial in the areas of the mixed use commercial and apartment buildings depending on the costs associated with seismic reinforcement of these structures. It should be understood, however, that there is no guarantee that an upgrade can be made if a seismic shear wave study is performed,

7.60 PAVEMENT DESIGN CONSIDERATIONS

The Town of Amherst requires a typical pavement section consisting of the following components for residential and commercial development roadways:

Town of Amherst Asphalt Concrete Pavement Section:

- 1.5 inches – Top Course
- 2.5 inches – Binder Course
- 4.0 inches – Base Course
- 11 inches – Subbase Stone Course

It is estimated that the existing subgrade soils will have a typical CBR value of about 2 to 3 ±. This correlates to a soil resilient modulus of about 3,500 psi, which has been used for our pavement design evaluations. The pavement sections were analyzed using the NYSDOT Thickness Design Manual for New and Reconstructed Pavement, along with the American Association of State Highway and Transportation Officials (AASHTO) "Interim Guide Method for Design of Flexible Pavements".

Based on our analyses, the Town of Amherst pavement section will provide approximately 1.2 million, 18-kip equivalent axle loads (EAL's) over its design life, provided the subgrades are prepared in accordance with the recommendations

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presented in Section 7.80. This design life is considered to be within an acceptable range for this type of application.

We would recommend, however, the Town of Amherst pavement section also include a suitable stabilization/separation geotextile (i.e. Mirafi 600X or suitable equivalent). It may also be necessary to increase the subbase thickness in some areas to improve subgrade conditions in some areas, as well as to promote drainage to underdrains, etc. as discussed below.

Pavement design recommendations are also provided for two (2) flexible pavement structure types within the proposed mixed use development areas. These include the following:

- A heavy duty asphalt concrete pavement for the entrance, access drives and pavement areas, which will be subject to delivery truck traffic. (Heavy Duty Asphalt Concrete Pavement Structure); and
- A light duty asphalt concrete pavement for automobile / light SUV only parking areas (Light Duty Asphalt Concrete Pavement Structure).

Heavy Duty Asphalt Concrete Pavement:

- 1.5 inches – Top Course
- 3.0 inches – Binder Course
- 15 inches – Subbase Stone Course
- Stabilization/Separation Geotextile
- Prepared Subgrade

Light Duty Asphalt Concrete Pavement:

- 1.5 inches – Top Course
- 2.0 inches – Binder Course
- 10 inches – Subbase Stone Course
- Stabilization/Separation Geotextile
- Prepared Subgrade

Based on our analyses, the Heavy Duty and Light Duty pavement sections will provide approximately 350,000 and 45,000 18-kip equivalent axle loads (EAL's), respectively, over their design life.

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The installation of underdrains and/or edge drains is recommended to drain the pavement subbase course and subgrades in order to limit the potential for frost action and improve pavement structure performance and design life. Alternatively, the pavement subbase course can also be allowed to daylight/drain to an adjacent perimeter drainage swale.

Proper grading of the pavement structure subgrades is also recommended Accumulation of water on pavement subgrades should be avoided by grading the subgrade to a slope of at least 2 percent to allow drainage to the underdrains or drainage swale.

The subbase stone course for the above pavement sections should not be considered sufficient for use as construction haul roads. Therefore, contingencies should be planned for to temporarily increase the Subbase Stone thickness or provide additional base stabilization / reinforcement within the areas that will be used as construction roads and to stage the construction.

7.70 UNDERGROUND UTILITY CONSTRUCTION

The generally medium stiff to hard clayey silt and silty clay and firm to very compact silty or clayey soils should provide generally suitable subgrade conditions for underground utility construction, including storm and sanitary sewers, water lines, gas lines and buried electrical / communication conduits. Accordingly, standard bedding materials and thicknesses can generally be used to support this infrastructure. It should be expected, however, that in some localized cases that subgrade undercuts and the placement of additional bedding material or subgrade stabilizing materials may be required to provide suitable and stable subgrades for the utility construction. Therefore, some contingencies should be planned for, should such localized conditions be encountered.

7.80 SUBGRADE PREPARATION FOR PAVEMENT AND SLAB-ON-GRADE CONSTRUCTION

The site preparation work should be performed during seasonal dry periods to minimize potential degradation of the subgrade soils and potential undercuts which may be required to establish a stable base for construction. It should be understood that the indigenous subgrade soils that will be exposed are sensitive and will degrade and lose strength when they are wet and disturbed by construction equipment traffic. Accordingly, efforts should be made to maintain the subgrades in a dry and stable condition at all times, and not permit excessive or heavy construction traffic directly over these soils.

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It is noted that zones of perched or trapped groundwater are present in the topsoil and upper fill soils at or near the ground surface, at various locations on the site, due to the relatively low permeability of the underlying soils and poor site drainage conditions present. Such conditions occurred during the subsurface exploration where areas of standing water and spongy surface conditions were present, hindering some of the drill rig access, until the site became frozen in the later part of January and early February. These conditions therefore will make site stripping and subgrade preparation difficult, particularly during wet periods, and therefore should be anticipated.

Measures to improve site drainage should be implemented as necessary prior to commencing the site stripping and subgrade preparation work. Such measures, may include installation of drainage swales to intercept and divert surface runoff away from the construction areas, sloping of the subgrade and "sealing" of the surface with a smooth drum roller to promote runoff, and restricting construction equipment traffic from traveling directly over the subgrade surfaces, especially when they are wet. The placement of a suitable base material and underlying stabilization geotextile, beneath haul roads, and in construction staging areas, will help to protect the subgrades and minimize problems associated with subgrade degradation.

All existing structures, trees, stumps, vegetation, topsoil, organic soils, etc., and any other deleterious materials within the proposed building pad areas and pavement areas should be removed. Following stripping and removal of the surface materials (i.e. topsoil, asphalt pavement, concrete pads and structures, etc.), the exposed subgrades should be proof-rolled. The proof-rolling should be performed, prior to the overlying fill placement, using a smooth drum roller weighing at least 10 tons.

The subgrade proof-rolling should be done under the guidance of, and observed by qualified geotechnical engineering personnel. In some cases it may be necessary to waive the proof-rolling requirement if wet subgrades are present. This should be determined by the geotechnical engineer (i.e. Empire). Any undercuts, which may be required as the result of the proof-rolling, should be performed based on guidance and evaluation of the conditions by the geotechnical engineer. Resulting undercuts should be backfilled with a suitable material as recommended by the geotechnical engineer.

The placement of an initial lift of suitable oversized stone fill material (i.e. "surge stone", "shot rock", minus 6-inch crusher run stone, No.3 & No.4 Stone, etc.) encased in stabilization geotextile top and bottom, may be necessary in some cases

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to help stabilize the subgrades prior to the subgrade fill placement, particularly if the existing subgrades are in a soft/wet condition.

The subgrade fill placement necessary to raise the site grades may proceed following preparation and acceptance of the existing soil subgrades.

The majority of the site filling and grading necessary to raise site grades should be performed sufficiently in advance of the foundation, pavement and utility construction. Therefore we recommend the subgrade fill placement, in areas requiring more than about 2 to 3 feet of fill, be completed at least 1 to 2 months in advance of the final subgrade preparation and subbase stone placement for floor slab and pavement construction.

The on-site soils could be used for constructing the fills for establishing the building pad and pavement areas, provided they can be properly placed and compacted in a controlled manner and to a stable well engineered condition, in accordance with our recommendations. It should be understood, however, that these soils will be very difficult to dry and work with. Therefore the use of imported granular fill materials will be better suited for building pad, roadway and parking lot fill areas. On-site soils used for filling within the building pad area and pavement areas must be free of all organics, and any soft, wet or otherwise deleterious material.

As stated above, the use of the fine grained on-site soils for site filling will be difficult to work with (i.e. dry for proper compaction), vs. an imported Suitable Granular Fill or Structural Fill material, particularly during seasonally inclement or wet weather. Efforts should be made to maintain the subgrades in a dry and stable condition at all times, and limit construction traffic directly over these soils, particularly if they become wet.

Subgrade fill placed to establish the building pad, roadway and parking lot areas, using the on-site soil material, should be compacted to a minimum of 95 percent of the maximum dry density as measured by the modified Proctor moisture-density relationship (ASTM D 1557). The subgrade fill should be placed in horizontal lifts that do not exceed a maximum loose lift thickness of 6 to 9 inches. The loose lift thickness should be reduced in conjunction with the compaction equipment used so that the required density is attained. On-site soil used for subgrade fill should have a moisture content within –3 % to +1 % of the optimum moisture content (determined by ASTM D 1557) when it is placed and compacted. On-site soils having moisture contents exceeding this range will require drying efforts to be implemented by the contractor.

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The subgrade fill should be placed to a stable condition and should not "pump" or show signs of movement or significant deflection (i.e. unstable conditions) as it is being constructed. Any unsuitable conditions should be undercut and removed. The fill subgrades should also be properly graded, drained and protected from moisture and frost. Placement of fill over wet, soft, snow covered or frozen subgrades should not be permitted.

Suitable Granular Fill or Structural Fill as described below in Section 7.90, or other imported suitable granular soil materials are recommended as better suited for subgrade fill to raise the existing site grades for slab-on-grade and pavement construction. Empire, however, should be consulted regarding the acceptability of any off-site materials, which do not meet the requirements stated below for Suitable Granular Fill or Structural Fill. All fill placement and compaction should be closely monitored and tested on a "full-time" basis by qualified geotechnical engineering personnel.

7.90 STRUCTURAL FILL AND SUITABLE GRANULAR FILL MATERIALS

Structural Fill Material

Structural Fill (Subbase Stone) should consist of crusher run stone, which is free of clay, organics and friable or deleterious particles. The crusher stone should meet the requirements of New York State Department of Transportation, Standard Specifications, Item 304.12 – Type 2 Subbase, with the following gradation requirements.

Sieve Size Distribution	Percent Finer by Weight
2 inch	100
¼ inch	25-60
No. 40	5-40
No. 200	0-10

Suitable Granular Fill

Suitable Granukar Fill should be well graded from coarse to fine and classified as GW, GP, GM, SW, SP and SM soils using the Unified Soil Classification System (ASTM D-2487). It should have no more than 85- percent by weight material passing the No. 4 sieve, no more than 20- percent by weight material passing the No. 200 sieve and should be generally free of particles greater than 4-inches. It should also be

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free of topsoil, asphalt, concrete rubble, wood, debris, clay and other deleterious materials.

Material meeting the requirements of New York State Department of Transportation, Standard Specifications, Item 203.07 – Select Granular Fill is acceptable for use as Suitable Granular Fill.

Placement and Compaction

Structural Fill and Suitable Granular Fill should be compacted to a minimum of 95 percent of the maximum dry density as measured by the modified Proctor test (ASTM D1557). Placement of the fill should not exceed a maximum loose lift thickness of 6 to 9 inches, with the exception of the subbase course beneath the slab-on-grade and pavement construction, which can be placed in a single lift not exceeding 15-inches. It may be necessary to reduce the loose lift thickness depending on the type of compaction equipment used so that the required density is attained. The fill should have a moisture content within two percent of the optimum moisture content at the time of compaction.

8.00 RECOMMENDATIONS FOR ADDITIONAL GEOTECHNICAL INVESTIGATIONS

As discussed above, it is recommended that additional explorations be completed for final site redevelopment design particularly in the mixed use town center and future senior housing building development areas

Preliminarily we would recommend that additional test borings in the mixed use town center and senior housing building development areas be performed to provide an approximate frequency of at least one (1) boring per about 3,000 to 4,000 square feet of building footprint, with no less than 4 borings per building. The recommended depth of these borings will be dependent on the building structure loads and foundation bearing depths. At least half of these borings, however, should be extended to bedrock, if a deep foundation system appears may be warranted.

Additional borings within the proposed residential areas should be made to provide a frequency of about one (1) boring per 4 to 5 residential units, with these borings extending to a depth of about 20 feet ±. Additional borings along the proposed roadway and parking lot areas should be made to provide a frequency of about one (1) boring per 400 linear feet of road and/or about one (1) boring per about 10,000 square feet of parking lot area. The roadway borings should extend at least 5 feet

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beneath the anticipated utility inverts and the parking lot area borings should extend to a depth of about 6 feet.

Empire can be consulted to assist in planning the locations and scope of the additional explorations and evaluations that may be necessary for final design, based on the final development plans, building sizes and loads.

9.00 CONCLUDING REMARKS

This report was prepared to assist in evaluating the geotechnical characteristics of the subsurface conditions present at the Westwood Country Club site in Amherst, New York, with regard to the proposed mixed use redevelopment project being considered on the site. The report has been prepared for the exclusive use of Mensch Capital Partners, LLC and related parties, for specific application to this site and this project only.

The considerations and preliminary recommendations presented were prepared based on Empire Geo-Services, Inc.'s understanding of the proposed site redevelopment, as described herein, and through the application of generally accepted soils and foundation engineering practices. No warranties, expressed or implied are made by the conclusions, opinions, recommendations or services provided.

This report was prepared for site characterization and preliminary site development planning purposes only. It should not be considered as providing complete or sufficient subsurface information for final building foundation design and construction. Additional subsurface explorations and geotechnical engineering evaluations will be necessary based on the actual planned site development, including the building sizes, location, use and structural loads.

Additional information regarding the use and interpretation of this report is presented in Appendix D.

Sincerely,

EMPIRE GEO-SERVICES, INC.

John J. Danzer, P.E.
Senior Geotechnical Engineer

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TABLES

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TABLE 1

SUMMARY OF LABORATORY INDEX TESTS

PROPOSED WESTWOOD COUNTRY CLUB DEVELOPMENT PROJECT
NORTH FOREST ROAD
AMHERST, NEW YORK

Test Boring Number	Sample Number	Sample Depth	Moisture Content (%)	Grain Size Distribution			Atterberg Limits				COLE Factor	Shrinkage Potential	Soil Description	USCS Group Soil
				Gravel (%)	Sand (%)	Silt & Clay (%)	Liquid Limit (%)	Plastic Limit (%)	Plasticity Index	Shrinkage Limit (%)				
B-1	S-3	4' - 6'	14.6	5.2	27.0	67.8	20	12	8	12	0.015	Low	Red-Brown Silty Clay / Clayey Silt, some Sand, trace gravel	CL / ML
B-3	S-4	6' - 8'	14.8	2.0	14.8	83.2	24	13	11	13	0.010	Low	Red-Brown Silty Clay, little Sand, trace gravel	CL
B-7	S-6	10' - 12'	12.6	8.3	17.4	74.3	24	12	12	13	0	Non - Existent	Brown-Gray, Silty Clay, little Sand, Trace gravel	CL
B-12	S-3	4'- 6'	13.1	8.6	23.2	68.2	24	13	11	12	0.009	Low	Red-Brown Silty Clay, some Sand, trace gravel	CL
B-14	S-4	6' - 8'	10.7	7.9	22.0	70.1	23	12	11	17	0	Non-Existent	Red-Brown Silty Clay, some Sand, trace gravel	CL
B-20	S-5	10' - 12'	23.3	0.0	1.0	99.0	37	17	20	19	0.025	Low	Red-Brown Silty Clay, trace sand	CL
B-22	S-3	4' - 6'	26.5	0.0	0.8	99.2	52	22	30	23	0.018	Low	Red-Brown Silty Clay, trace sand	CH
B-30	S-5	8' - 10'	11.4	4.3	22	72.8							Red-Brown Clayey Silt, some Sand, trace gravel	ML
B-31	S-6	10' - 12'	10.7	9.1	21.6	69.3	23	13	10	12	0	Non-Existent	Orange-Brown Silty Clay, some Sand, trace gravel	CL
B-35	S-7	15' - 17'	8.7	11.8	29.4	58.8							Red-Brown Clayey Silt, some Sand, little Gravel	ML
B-38	S-2	2' - 4'	21.3	0.0	3.8	96.2	44	20	24	20	0.008	Low	Brown Silty Clay, trace sand	CL
B-40	S-4	6' - 8'	12.0	2.2	14.8	83	25	14	11	13	0	Non-Existent	Red-Brown Silty Clay, little Sand, trace gravel	CL
B-44	S-3	4' - 6'	21.3	0.0	2.2	97.8	59	22	37	22	0	Non-Existent	Red-Brown Silty Clay, trace sand	CH
B-46	S-3	4' - 6'	28.1	0.0	0.8	99.2	61	25	36	22	0.034	Low-Medium	Red-Brown Silty Clay, trace sand	CH
B-48	S-5	8' - 10'	11.8	3.8	19.1	77.1	23	13	10	14	0	Non-Existent	Red-Brown Silty Clay, little Sand, trace gravel	CL
COMPOSITE SAMPLES											DIPRA Points	Chlorides / Sulfates (ppm)		
B-6	S-2 to S-4	2' - 8'	4.5 to 11.3	5.8	14.9	79.3					6	15 / ND	Red-Brown Silty Clay, little Sand, trace gravel	ML / CL
B-34	S-2 to S-5	2' - 10'	5.9 to 12.0	7.8	10.7	81.5					6	10 / ND	Red-Brown Silty Clay, little Sand, trace gravel	ML / CL
B-45	S-2 to S-5	2' - 10'	20.2 to 28.6	4.5	1.7	93.8					7	18 / ND	Red-Brown Silty Clay, trace sand	CL

Empire Geo-Services, Inc.
5167 South Park Avenue
Hamburg, New York 14075

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TABLE 2 (SHEET 1 OF 3)

SUMMARY OF SUBSURFACE CONDITIONS

PROPOSED WESTWOOD COUNTRY CLUB DEVELOPMENT PROJECT
NORTH FOREST ROAD
AMHERST, NEW YORK

Boring Number	Ground Surface El. (feet)	Total Boring Depth (feet)	Surface Material	Fill Depth (feet)	Bottom of Fill El. (feet)	Auger Refusal Depth (feet)	Auger Refusal El. (feet)	Depth of Freestanding Water in Boring (feet)	El. of Freestanding Water in Boring (feet)	Depth to Groundwater in Well (feet)	El. of Groundwater in Well (feet)
B-1	605.9	67.5	Topsoil	2.0	603.9	62.5	543.4	53.4	552.5		
B-2	603.7	20.0	12" - Topsoil	2.0	601.7	N.E.	N.E.	N.E.	N.E.		
B-3	603.1	20.0	12" - Topsoil	2.0	601.1	N.E.	N.E.	N.E.	N.E.		
B-4	601.5	53.5	3" - Topsoil	2.0	599.5	48.5	553.0	47.0	554.5		
B-5	603.2	32.7	2" - Topsoil	2.0	601.2	32.7	570.5	16.5	586.7		
B-6 w/Well	603.1	22.0	14" - Topsoil	2.0	601.1	N.E.	N.E.	N.E.	N.E.	0.6	602.5
B-7	603.0	47.6	8" - Topsoil	N.E.	N.E.	47.6	555.4	N.E.	N.E		
B-8	602.8	47.5	2" - Topsoil	N.E.	N.E.	47.5	555.3	N.E.	N.E.		
B-9	602.4	44.0	3" - Topsoil	2.0	600.4	44.0	558.4	22.0	580.4		
B-10 / 10A	600.4	13.5	3" - Topsoil	2.0	598.4	13.5	586.9	N.E.	N.E.		
B-11	601.7	45.7	4" - Topsoil	2.0	599.7	45.7	556.0	N.E.	N.E.		
B-12	599.1	20.0	4" - Topsoil	N.E.	N.E.	N.E.	N.E.	N.E.	N.E.		
B-13	599.1	21.0	10" - Topsoil	2.0	597.1	N.E.	N.E.	N.E.	N.E.		
B-14	602.9	47.7	10" - Topsoil	2.0	600.9	47.7	555.2	38.2	564.7		
B-15	602.9	20.0	3.5" - Topsoil	N.E.	N.E.	N.E.	N.E.	N.E.	N.E.		
B-16	599.5	20.0	6" - Topsoil	2.0	597.5	N.E.	N.E.	N.E.	N.E.		
B-17	598.2	22.0	Topsoil	2.0	596.2	N.E.	N.E.	N.E.	N.E.		

Boring Advanced to Auger Refusal

Boring Scheduled to be Advanced to 20 feet and Terminated

Boring Advanced 5 feet into Bedrock with Rock Coring

Groundwater Observation Well Installed in Boring. Water Level on April 1st, 2014

N.E. - Not Encountered N.E.B.C. - Not Encountered Before Water Added to Boring to Facilitate Rock Coring N.D. - Not Determined

Empire Geo-Services, Inc.
5167 South Park Avenue
Hamburg, New York 14075

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

TABLE 2 (SHEET 2 OF 3)

SUMMARY OF SUBSURFACE CONDITIONS

PROPOSED WESTWOOD COUNTRY CLUB DEVELOPMENT PROJECT
NORTH FOREST ROAD
AMHERST, NEW YORK

Boring Number	Ground Surface El. (feet)	Total Boring Depth (feet)	Surface Material	Fill Depth (feet)	Bottom of Fill El. (feet)	Auger Refusal Depth (feet)	Auger Refusal El. (feet)	Depth of Freestanding Water in Boring (feet)	El. of Freestanding Water in Boring (feet)	Depth to Groundwater in Well (feet)	El. of Groundwater in Well (feet)
B-18	588.5	35.0	3" - Topsoil	4.0	584.5	35.0	553.5	N.E.	N.E.		
B-19	592.3	20.0	Topsoil	2.0	590.3	N.E.	N.E.	N.E.	N.E.		
B-20	597.0	43.5	Topsoil	2.0	595.0	43.5	553.5	16.5	580.5		
B-21	598.2	41.5	Native Soil	N.E.	N.E.	41.5	556.7	39.0	559.2		
B-22	599.1	44.1	11" - Topsoil	N.E.	N.E.	44.1	555.0	N.E.	N.E.		
B-23	596.8	22.0	11" - Topsoil	N.E.	N.E.	N.E.	N.E.	N.E.	N.E.		
B-24 w/Well	598.6	41.3	Topsoil	4.0	594.6	41.3	557.3	N.E.	N.E	8.2	588.6
B-25	594.8	40.2	4" - Topsoil	2.0	592.8	40.2	554.6	13.6	581.2		
B-26	594.1	40.8	Topsoil	2.0	592.1	40.8	553.3	33.5	560.6		
B-27	594.3	22.0	Fill	2.0	592.3	N.E.	N.E.	N.E.	N.E.		
B-28	593.2	20.0	6" - Topsoil	2.0	591.2	N.E.	N.E.	N.E.	N.E.		
B-29	594.5	38.5	3" - Topsoil	2.0	592.5	33.5	561.0	19.3	575.2		
B-30	594.8	20.0	8" - Topsoil	4.0	590.8	N.E.	N.E.	N.E.	N.E.		
B-31	592.5	43.5	6" - Topsoil	N.E.	N.E.	38.5	554.0	N.E.B.C.	N.E.B.C.		
B-32	594.0	30.5	3" - Topsoil	4.0	590.0	30.5	563.5	N.E.	N.E.		
B-33	592.9	20.0	Topsoil	2.0	590.9	N.E.	N.E.	N.E.	N.E.		
B-34	593.4	31.4	12" - Topsoil	2.0	591.4	31.4	562.0	N.E.	N.E.		

Boring Advanced to Refusal

Boring Scheduled to be Advanced to 20 feet and Terminated

Boring Advanced 5 feet into Bedrock with Rock Coring

Groundwater Observation Well Installed in Boring. Water Level on April 1st, 2014.

N.E. - Not Encountered N.E.B.C. - Not Encountered Before Water Added to Boring to Facilitate Rock Coring N.D. - Not Determined

Empire Geo-Services, Inc.
5167 South Park Avenue
Hamburg, New York 14075

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

TABLE 2 (SHEET 3 OF 3)

SUMMARY OF SUBSURFACE CONDITIONS

PROPOSED WESTWOOD COUNTRY CLUB DEVELOPMENT PROJECT
NORTH FOREST ROAD
AMHERST, NEW YORK

Boring Number	Ground Surface El. (feet)	Total Boring Depth (feet)	Surface Material	Fill Depth (feet)	Bottom of Fill El. (feet)	Auger Refusal Depth (feet)	Auger Refusal El. (feet)	Depth of Freestanding Water in Boring (feet)	El. of Freestanding Water in Boring (feet)	Depth to Groundwater in Well (feet)	El. of Groundwater in Well (feet)
B-35	593.0	32.5	7" - Topsoil	N.E.	N.E.	32.5	560.5	N.E.	N.E.		
B-36	593.3	31.0	3" - Topsoil	2.0	591.3	31.0	562.3	28.0	565.3		
B-37	592.1	22.5	8" - Topsoil	4.0	588.1	22.5	569.6	20.0	572.1		
B-38	592.4	24.0	Fill	2.0	590.4	24.0	568.4	N.E.	N.E.		
B-39	592.0	18.1	4" - Topsoil	2.0	590.0	N.E.	N.E.	N.E.	N.E.		
B-40	588.9	22.0	Topsoil	5.0	583.9	22.0	566.9	19.0	569.9		
B-41	590.3	20.0	3" - Topsoil	2.0	588.3	N.E.	N.E.	N.E.	N.E		
B-42	601.1	22.0	13" - Topsoil	2.0	599.1	N.E.	N.E.	N.E.	N.E.		
B-43	593.2	35.0	6" - Topsoil	2.0	591.2	30.0	563.2	20.0	573.2		
B-44	592.7	18.7	6" - Topsoil	2.0	590.7	N.E.	N.E.	N.E.	N.E.		
B-45	591.9	29.5	7" - Topsoil	2.0	589.9	24.5	567.4	15.0	576.9		
B-46	591.6	20.0	Topsoil	2.0	589.6	N.E.	N.E.	N.E.	N.E.		
B-47	594.9	39.0	6" - Topsoil	2.0	592.9	34.0	560.9	20.0	574.9		
B-48	595.8	31.0	3" - Topsoil	2.0	593.8	31.0	564.8	N.E.	N.E.	2.4	593.4
B-49	593.5	20.0	5" - Topsoil	2.0	591.5	N.E.	N.E.	N.E.	N.E.		

Boring Advanced to Refusal

Boring Scheduled to be Advanced to 20 feet and Terminated

Boring Advanced 5 feet into Bedrock with Rock Coring

Groundwater Observation Well Installed in Boring. Water Level on April 1st, 2014.

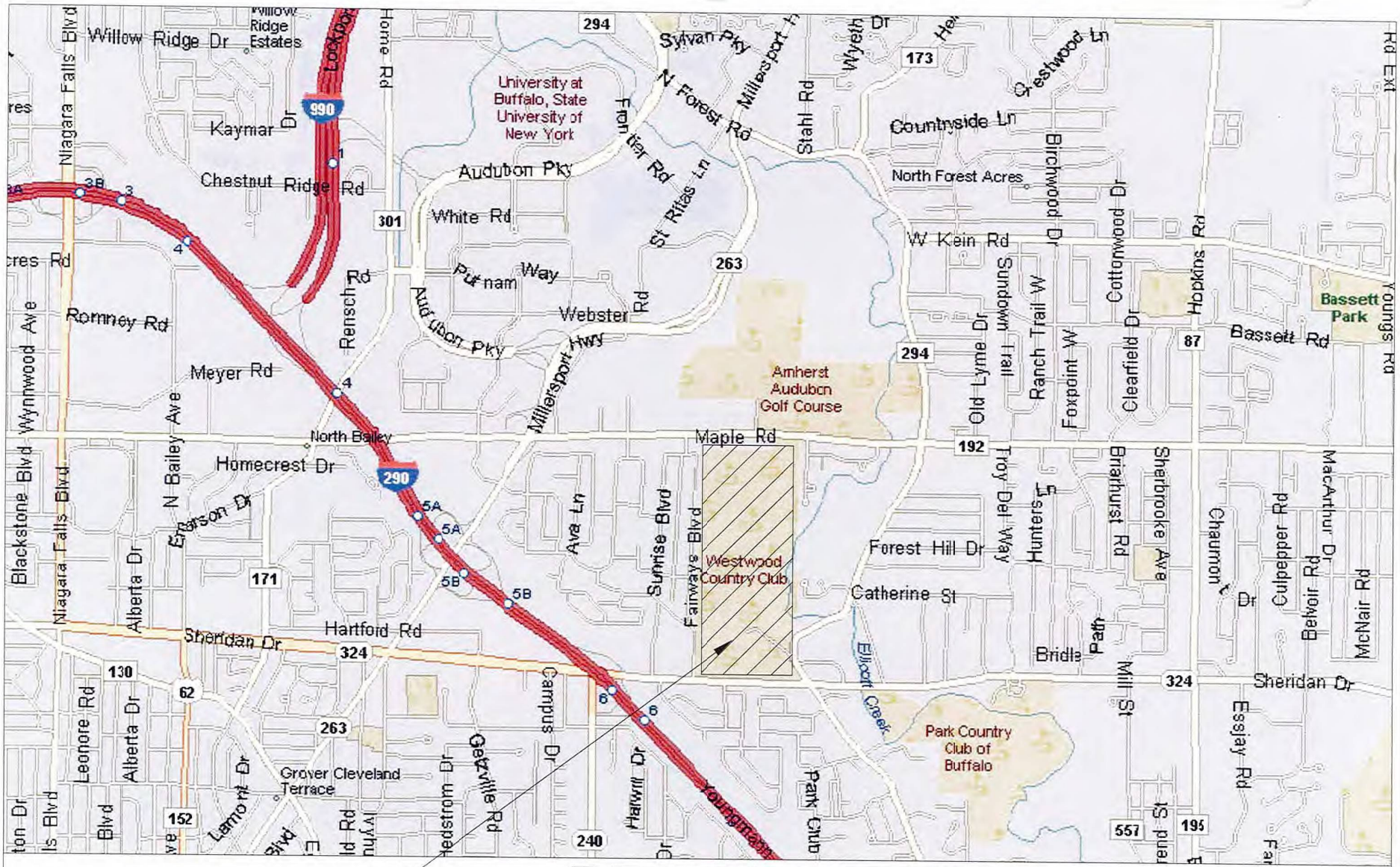
N.E. - Not Encountered N.E.B.C. - Not Encountered Before Water Added to Boring to Facilitate Rock Coring N.D. - Not Determined

Empire Geo-Services, Inc.
5167 South Park Avenue
Hamburg, New York 14075

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

FIGURES

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)



APPROXIMATE PROJECT SITE LOCATION

N

NOTE:
SITE LOCATION PLAN DEVELOPED
FROM MICROSOFT STREETS & TRIPS 2006

EMPIRE GEO SERVICES INC
a subsidiary of SJB Services, Inc.

PROPOSED WESTWOOD COUNTRY CLUB DEVELOPMENT PROJECT
NORTH FOREST ROAD
AMHERST, NEW YORK

SITE LOCATION PLAN

DR BY: EDG	SCALE: NTS	PROJ NO.: BE-13-192
CHKD BY: JJD	DATE: 12/18/13	FIGURE NO: 1

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)



LEGEND:

B-5 INDICATES APPROXIMATE LOCATION AND DESIGNATION OF TEST BORING ADVANCED TO AUGER REFUSAL (PRESUMED BEDROCK REFUSAL).

B-6 INDICATES APPROXIMATE LOCATION AND DESIGNATION OF TEST BORING ADVANCED TO AUGER REFUSAL WITH GROUNDWATER OBSERVATION WELL INSTALLATION.

B-1 INDICATES APPROXIMATE LOCATION AND DESIGNATION OF TEST BORING ADVANCED TO AUGER REFUSAL, WITH FIVE (5) FEET OF ROCK CORE.

B-2 INDICATES APPROXIMATE LOCATION AND DESIGNATION OF TEST BORING PLANNED TO BE ADVANCED TO TWENTY (20) FEET AND TERMINATED.

B.M. APPROXIMATE LOCATION OF BENCHMARK ESTABLISHED BY SJB SERVICES, INC. TOP OF EXISTING ELECTRICAL MANHOLE RIM. BENCHMARK ELEVATION = 602.38 FEET AS ESTABLISHED AND REPORTED BY NUSSBAUMER & CLARKE, INC.

NOTE:
FIGURE DEVELOPED FROM DRAWING PROVIDED BY MENSCH CAPITAL PARTNERS, LLC.

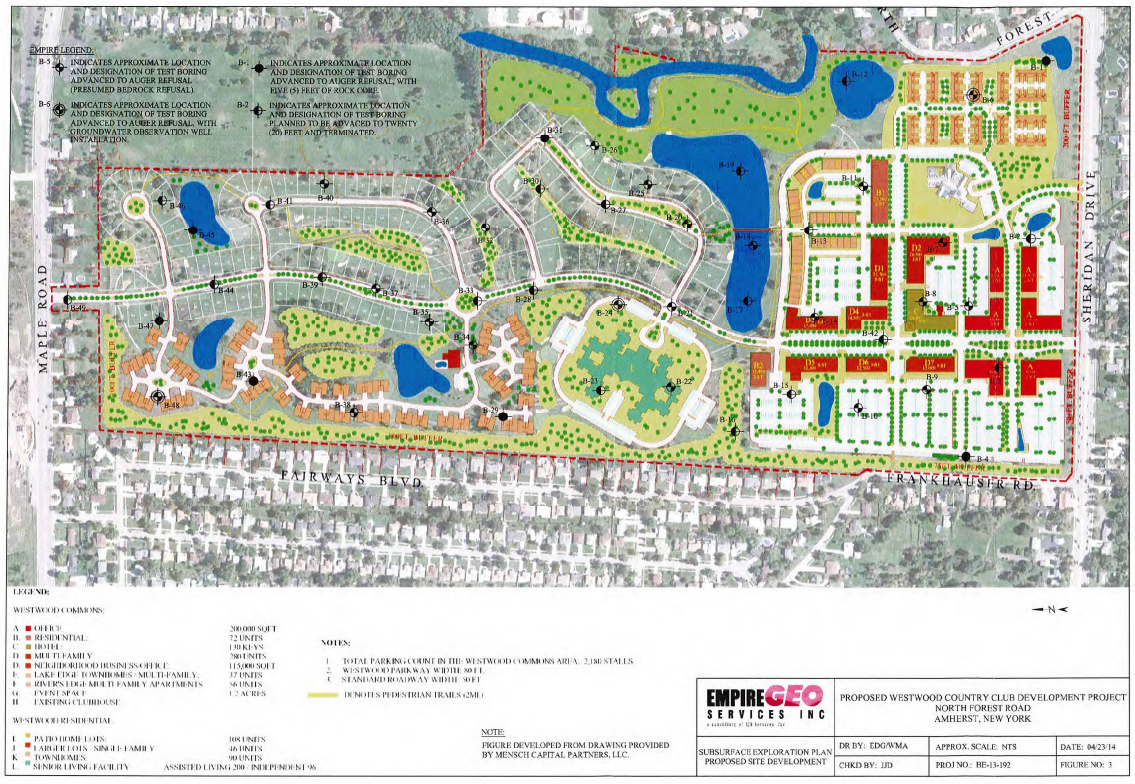
EMPIRE GEO SERVICES INC
a subsidiary of SJB Services, Inc.

SUBSURFACE EXPLORATION PLAN
EXISTING SITE CONDITIONS

PROPOSED WESTWOOD COUNTRY CLUB DEVELOPMENT PROJECT
NORTH FOREST ROAD
AMHERST, NEW YORK

DR BY: EDG	APPROX. SCALE: NTS	DATE: 04/23/14
CHKD BY: JJD	PROJ NO.: BE-13-192	FIGURE NO: 2

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)



Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

APPENDIX A

TEST BORING LOGS

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

DATE
START 12/3/2013
FINISH 12/3/2013
SHEET 1 OF 2

SJB SERVICES, INC.
SUBSURFACE LOG

HOLE NO. B-1
SURF. ELEV 605.9' ±
G.W. DEPTH See Notes

PROJECT: PROPOSED IMPROVEMENTS
PROJ. NO.: BE-13-192
LOCATION: WESTWOOD COUNTRY CLUB
AMHERST, NEW YORK

DEPTH FT.	SMPL NO.	BLOWS ON SAMPLER 0/6	6/12	12/18	N	SOIL OR ROCK CLASSIFICATION	NOTES
	1	WOH	1			TOPSOIL	
		3	6		4	Red-Brown Clayey SILT, tr.-little f-c Sand (moist, FILL)	WOH = Weight of Hammer and Rods
	2	7	9			Red-Brown Silty CLAY / Clayey Silt, some f-c Sand,	
		12	17		21	tr.gravel (moist, v.stiff, CL-ML)	
5	3	5	5				
		7	12		12	(stiff)	
	4	13	23				
		36	39		59	Contains some-and f-c Sand (hard)	
	5	9	16				
10		24	32		40	Becomes Brown	
	6	9	22				
		26	32		48	Contains tr.-little f-c Gravel	
15							
	7	8	13			Becomes Brown-Gray	
		18	22		31		
20							
	8	6	10			(v.stiff)	
		13	19		23		
25							
	9	8	10				
		13	18		23		
30							
	10	7	10				
		14	19		24		
35							
	11	6	7				
		9	15		16		

N = NO. BLOWS TO DRIVE 2-INCH SPOON 12-INCHES WITH A 140 LB. PIN WT. FALLING 30-INCHES PER BLOW

CLASSIFIED BY: Geologist

DRILLER: A. KOSKE

DRILL RIG TYPE : CME-550X

METHOD OF INVESTIGATION ASTM D-1586 USING HOLLOW STEM AUGERS

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

DATE
START 12/3/2013
FINISH 12/3/2013
SHEET 2 OF 2

SJB SERVICES, INC.
SUBSURFACE LOG

HOLE NO. B-1
SURF. ELEV 605.9' ±
G.W. DEPTH See Notes

PROJECT: PROPOSED IMPROVEMENTS
PROJ. NO.: BE-13-192
LOCATION: WESTWOOD COUNTRY CLUB
AMHERST, NEW YORK

DEPTH FT.	SMPL NO.	BLOWS ON SAMPLER 0/6	6/12	12/18	N	SOIL OR ROCK CLASSIFICATION	NOTES
	12	7	7			(stiff)	
		8	12		15		
45	13	3	3			Brown-Gray Silty CLAY, tr.sand (moist-wet, medium, CL)	
		3	4		6		
50	14	1	2			Becomes Red-Brown (soft)	
		1	2		3		
55	15	3	1				
		4	6		5		
60	16	50/0.1			REF		REF = Sample Spoon Refusal
							NQ '2' Size Rock Core
65						Gray SHALE Rock, medium hard, sound, bedded.	RUN #1: 62.5' - 67.5' REC = 96% RQD = 82%
70						Boring Complete at 67.5'	Free standing water recorded at 53.4' prior to coring.
75							

N = NO. BLOWS TO DRIVE 2-INCH SPOON 12-INCHES WITH A 140 LB. PIN WT. FALLING 30-INCHES PER BLOW

CLASSIFIED BY: Geologist

DRILLER: A. KOSKE
DRILL RIG TYPE : CME-550X
METHOD OF INVESTIGATION ASTM D-1586 USING HOLLOW STEM AUGERS

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

DATE
START 12/17/2013
FINISH 12/17/2013
SHEET 1 OF 1

SJB SERVICES, INC.
SUBSURFACE LOG

HOLE NO. B-2
SURF. ELEV 603.7' ±
G.W. DEPTH See Notes

PROJECT: PROPOSED IMPROVEMENTS
PROJ. NO.: BE-13-192
LOCATION: WESTWOOD COUNTRY CLUB
AMHERST, NEW YORK

DEPTH FT.	SMPL NO.	BLOWS ON SAMPLER 0/6	6/12	12/18	N	SOIL OR ROCK CLASSIFICATION	NOTES
	1	3	3			TOPSOIL	Driller notes approx. 12" Topsoil
		5	6		8	Red-Brown and Black Silty CLAY, tr.sand (moist, FILL)	
	2	5	4			Brown Silty CLAY, tr.sand (moist, stiff, CL)	
		7	8		11		
5	3	4	7			(v.stiff)	
		22	25		29		
	4	8	9			Brown Clayey SILT, tr.-little f-c Sand (moist, v.stiff, ML)	
		19	23		28		
	5	7	8			Brown Silty CLAY, tr.sand (moist, v.stiff, CL)	
10		10	12		18		
	6	5	10				
		11	14		21		
15							
	7	5	7			Becomes Brown-Gray, contains little-some f-c Sand	
		15	16		22		
	8	8	8			Brown-Gray Clayey SILT, some f-c Sand, tr.gravel	
20		17	20		25	(moist, v.stiff, ML)	
						Boring Complete at 20.0'	No free standing water encountered at boring completion.
25							
30							
35							

N = NO. BLOWS TO DRIVE 2-INCH SPOON 12-INCHES WITH A 140 LB. PIN WT. FALLING 30-INCHES PER BLOW

CLASSIFIED BY: Geologist

DRILLER: A. JAKUBCZAK

DRILL RIG TYPE : CME-550X

METHOD OF INVESTIGATION ASTM D-1586 USING HOLLOW STEM AUGERS

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

DATE
START 12/17/2013
FINISH 12/17/2013
SHEET 1 OF 1

SJB SERVICES, INC.
SUBSURFACE LOG

HOLE NO. B-3
SURF. ELEV 603.1' ±
G.W. DEPTH See Notes

PROJECT: PROPOSED IMPROVEMENTS
PROJ. NO.: BE-13-192
LOCATION: WESTWOOD COUNTRY CLUB
AMHERST, NEW YORK

DEPTH FT.	SMPL NO.	BLOWS ON SAMPLER 0/6	6/12	12/18	N	SOIL OR ROCK CLASSIFICATION	NOTES
	1	1	1			TOPSOIL	Driller notes approx. 12" Topsoil
		2	3		3	Red-Brown and Black Silty CLAY, tr.sand (moist, FILL)	
	2	5	6			Red-Brown Silty CLAY, tr.sand (moist, stiff, CL)	
		6	9		12		
5	3	7	8			(v.stiff)	
		8	11		16		
	4	10	12				
		11	14		23		
	5	10	12			Becomes Brown-Gray, contains little f-c Sand, tr.gravel	
10		14	17		26		
	6	15	17	50/0.3	REF	Contains tr.boulder fragments (hard)	REF = Sample Spoon Refusal
15							
	7	12	11			(v.stiff)	
		15	14		26		
20							
	8	15	10				No Recovery Sample #8
		12	16		22		
						Boring Complete at 22.0'	No free standing water encountered at boring completion.
25							
30							
35							

N = NO. BLOWS TO DRIVE 2-INCH SPOON 12-INCHES WITH A 140 LB. PIN WT. FALLING 30-INCHES PER BLOW

CLASSIFIED BY: Geologist

DRILLER: T. FARRELL

DRILL RIG TYPE : CME-550X

METHOD OF INVESTIGATION ASTM D-1586 USING HOLLOW STEM AUGERS

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

DATE
START 1/28/2014
FINISH 1/30/2014
SHEET 1 OF 2

SJB SERVICES, INC.
SUBSURFACE LOG

HOLE NO. B-4
SURF. ELEV 601.5' ±
G.W. DEPTH See Notes

PROJECT: PROPOSED IMPROVEMENTS
PROJ. NO.: BE-13-192
LOCATION: WESTWOOD COUNTRY CLUB
AMHERST, NEW YORK

DEPTH FT.	SMPL NO.	BLOWS ON SAMPLER 0/6	6/12	12/18	N	SOIL OR ROCK CLASSIFICATION	NOTES
	1	2	3			TOPSOIL	Driller notes approx. 3" Topsoil
		5	5		8	Red-Brown and Black Silty CLAY, tr.sand, tr.organics (moist, FILL)	
	2	4	3				
		4	6		7	Red-Brown Silty CLAY, tr.sand (moist, medium, CL)	
5	3	5	6			Brown Clayey SILT, tr.-little f-c Sand (moist, stiff, ML)	
		7	9		13		
	4	5	8			(v.stiff)	
		10	14		18		
	5	16	23			(hard)	
10		19	21		42		
	6	12	21				
		25	26		46		
15	7	5	9			Brown-Gray Silty CLAY, little-some f-c Sand, tr.gravel (moist, v.stiff, CL)	
		11	13		20		
20	8	6	10			Brown-Gray Clayey SILT, little f-c Sand (moist, v.stiff, ML)	
		13	19		23		
25	9	5	7				
		10	17		17		
30	10	5	6			Contains some f-c Sand, tr.-little f-c Gravel	
		12	14		18		
35	11	4	8				
		14	16		22		

N = NO. BLOWS TO DRIVE 2-INCH SPOON 12-INCHES WITH A 140 LB. PIN WT. FALLING 30-INCHES PER BLOW

CLASSIFIED BY: Geologist

DRILLER: A. JAKUBCZAK

DRILL RIG TYPE : CME-550X

METHOD OF INVESTIGATION ASTM D-1586 USING HOLLOW STEM AUGERS

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

DATE
START 1/28/2014
FINISH 1/30/2014
SHEET 2 OF 2

SJB SERVICES, INC.
SUBSURFACE LOG

HOLE NO. B-4
SURF. ELEV 601.5' ±
G.W. DEPTH See Notes

PROJECT: PROPOSED IMPROVEMENTS
PROJ. NO.: BE-13-192
LOCATION: WESTWOOD COUNTRY CLUB
AMHERST, NEW YORK

DEPTH FT.	SMPL NO.	BLOWS ON SAMPLER 0/6	6/12	12/18	N	SOIL OR ROCK CLASSIFICATION	NOTES
	12	6	10				
		13	15		23		
45	13	8	14			Gray-Brown f-m SAND, some-and Silt, tr.-little f-c Gravel (moist, compact, SM)	
		26	37		40		NQ '2' Size Rock Core
50						Gray SHALE Rock, medium hard, sound, thinly bedded to bedded, numerous gypsum partings and seams.	RUN #1: 48.5' - 53.5' REC = 75% RQD = 40% 1
55						Boring Complete at 53.5'	Free standing water recorded at 47.0' prior to coring. Free standing water recorded at 20.0' after coring.
60							
65							
70							
75							

N = NO. BLOWS TO DRIVE 2-INCH SPOON 12-INCHES WITH A 140 LB. PIN WT. FALLING 30-INCHES PER BLOW

CLASSIFIED BY: Geologist

DRILLER: A. JAKUBCZAK

DRILL RIG TYPE : CME-550X

METHOD OF INVESTIGATION ASTM D-1586 USING HOLLOW STEM AUGERS

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

DATE
START 1/15/2014
FINISH 1/15/2014
SHEET 1 OF 1

SJB SERVICES, INC.
SUBSURFACE LOG

HOLE NO. B-5
SURF. ELEV 603.2' ±
G.W. DEPTH See Notes

PROJECT: PROPOSED IMPROVEMENTS
PROJ. NO.: BE-13-192
LOCATION: WESTWOOD COUNTRY CLUB
AMHERST, NEW YORK

DEPTH FT.	SMPL NO.	BLOWS ON SAMPLER 0/6	6/12	12/18	N	SOIL OR ROCK CLASSIFICATION	NOTES
	1	1	3			TOPSOIL	Driller notes approx. 2" Topsoil
		6	7		9	Brown-Black Clayey SILT, tr.sand, tr.organics (moist-wet, FILL)	
	2	5	6				
		7	8		13	Red-Brown Silty CLAY, tr.sand (moist-wet, stiff, CL)	
5	3	7	9				
		11	15		20	Becomes Brown (v.stiff)	
	4	14	17				
		19	15		36	Contains occasional Silt seams (hard)	
	5	4	8			Red-Brown Clayey SILT, little-some f-c Sand, tr.gravel	
10		6	7		14	(moist, stiff, ML)	
	6	11	12				
		10	12		22	(v.stiff)	
15							
	7	24	11				No Recovery Sample #7
		12	7		23		
20							
	8	15	11				
		10	18		21	Becomes Brown-Gray, contains some f-c Sand	
25							
	9	15	17			Brown-Gray Silty CLAY, little f-c Sand, tr.gravel	
		21	24		38	(moist, hard, CL)	
30							
	10	15	18			Brown-Gray Clayey SILT, some f-c Sand, tr.gravel	
		50	50/0.4		68	(moist, hard, ML)	
						Boring Complete with Sample Spoon Refusal at 31.9' and Auger Refusal at 32.7'	Free standing water recovery at 16.5' at boring completion.
35							

N = NO. BLOWS TO DRIVE 2-INCH SPOON 12-INCHES WITH A 140 LB. PIN WT. FALLING 30-INCHES PER BLOW

CLASSIFIED BY: Geologist

DRILLER: S. WOLKIEWICZ

DRILL RIG TYPE : CME-550SE

METHOD OF INVESTIGATION ASTM D-1586 USING HOLLOW STEM AUGERS

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

DATE
START 12/5/2013
FINISH 12/5/2013
SHEET 1 OF 1

SJB SERVICES, INC.
SUBSURFACE LOG

HOLE NO. B-6
SURF. ELEV 603.1' ±
G.W. DEPTH See Notes

PROJECT: PROPOSED IMPROVEMENTS
PROJ. NO.: BE-13-192
LOCATION: WESTWOOD COUNTRY CLUB
AMHERST, NEW YORK

DEPTH FT.	SMPL NO.	BLOWS ON SAMPLER 0/6	6/12	12/18	N	SOIL OR ROCK CLASSIFICATION	NOTES
	1	1	2			TOPSOIL	Driller notes approx. 14" Topsoil
		1	2		3	Red-Brown Clayey SILT, little f-c Sand (moist, FILL)	
	2	3	2			Red-Brown Silty CLAY, tr.sand (moist, medium, CL)	
		4	4		6		
5	3	4	5			Red-Brown Clayey SILT, tr.-little f-c Sand (moist, stiff, ML)	
		6	8		11		
	4	7	9				
		11	12		20	(v.stiff)	
	5	6	7				
10		6	9		13	(stiff)	
	6	7	8				
		7	11		15		
15							
	7	4	4			Brown-Gray Silty CLAY and f-c Sand, tr.gravel (moist, stiff, CL)	
		5	7		9		
20							No free standing water noted at boring completion
	8	8	8			Brown-Gray Clayey SILT and f-c Sand, tr.gravel (moist, v.stiff, ML)	
		11	12		19		
25						Boring Complete at 22.0'	2" PVC Groundwater Observation Well installed at boring completion. Refer to installation log for details.
30							
35							
40							

N = NO. BLOWS TO DRIVE 2-INCH SPOON 12-INCHES WITH A 140 LB. PIN WT. FALLING 30-INCHES PER BLOW

CLASSIFIED BY: Geologist

DRILLER: T. FARRELL

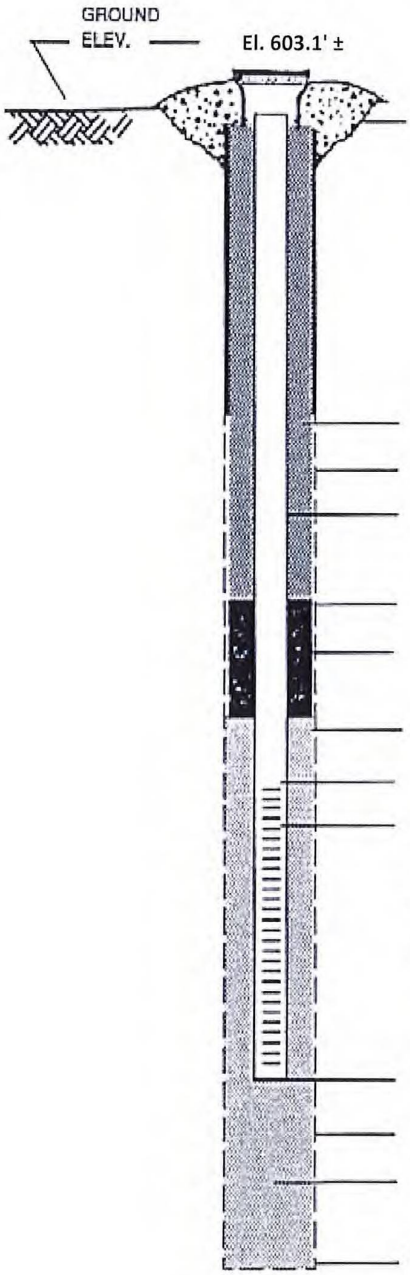
DRILL RIG TYPE : CME-550X

METHOD OF INVESTIGATION ASTM D-1586 USING HOLLOW STEM AUGERS

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

MONITORING WELL COMPLETION RECORD

WELL NUMBER: B-6	
PROJECT NAME: WESTWOOD CC	**DRILLING METHOD: HOLLOW STEM AUGERS**
PROJECT NUMBER: BE-13-192	**GEOLOGIST: N/A**
DRILLER: T. FARRELL	**INSTALLATION DATE(S): 12/5/2013**



TYPE OF SURFACE SEAL:	**CONCRETE PAD WITH FLUSH MOUNT SURFACE CASING**
TYPE OF BACKFILL:	**AUGER CUTTINGS**
BOREHOLE DIAMETER:	**8" ±**
I.D. OF RISER PIPE:	**2.0"**
TYPE OF RISER PIPE:	**PVC**
DEPTH OF SEAL:	**5.0' El. 598.1' ±**
TYPE OF SEAL:	**BENTONITE CHIPS**
DEPTH OF SAND PACK:	**8.0' El. 595.1' ±**
DEPTH OF TOP OF SCREEN:	**10.0' El. 593.1' ±**
TYPE OF SCREEN:	**PVC**
SLOT SIZE X LENGTH:	**.010 X 10.0'**
I.D. OF SCREEN:	**2.0"**
TYPE OF SAND PACK:	**MORIE "O" FILTER SAND**
DEPTH BOTTOM OF SCREEN:	**20.0' El. 583.1' ±**
DEPTH BOTTOM OF SAND PACK:	**20.0' El. 583.1' ±**
TYPE OF BACKFILL BELOW OBSERVATION WELL:	**FILTER SAND**
ELEVATION/ DEPTH OF HOLE:	**22.0' El 581.1' ±**

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

DATE
START 12/12/2013
FINISH 12/12/2013
SHEET 1 OF 2

SJB SERVICES, INC.
SUBSURFACE LOG

HOLE NO. B-7
SURF. ELEV 603.0' ±
G.W. DEPTH See Notes

PROJECT: PROPOSED IMPROVEMENTS
PROJ. NO.: BE-13-192
LOCATION: WESTWOOD COUNTRY CLUB
AMHERST, NEW YORK

DEPTH FT.	SMPL NO.	BLOWS ON SAMPLER 0/6	6/12	12/18	N	SOIL OR ROCK CLASSIFICATION	NOTES
	1	4	2			TOPSOIL	Driller notes approx. 8" Topsoil
		3	2		5	Brown Silty CLAY, tr.sand (moist, medium, CL)	
	2	3	3				
		3	5		6		
5	3	7	11			Red-Brown Clayey SILT, little f-c Sand, tr.gravel,	
		13	10		24	tr.boulder fragments (moist, v.stiff, ML)	
	4	10	8				
		5	5		13	(stiff)	
	5	7	8				
10		7	11		15	Becomes Brown	
	6	8	9			Brown-Gray Silty CLAY, tr.-little f-c Sand, tr.gravel	
		13	15		22	(moist-wet, v.stiff, CL)	
15							
	7	7	4				
		6	7		10	(stiff)	
20							
	8	6	5				No Recovery Sample #8
		7	6		12		
25							
	9	6	8			Brown-Gray Clayey SILT, little-some, f-c Sand, tr.gravel	
		8	12		16	(moist, v.stiff, ML)	
30							
	10	6	8				
		7	14		15	(stiff)	
35							
	11	10	12				
		9	5		21	(v.stiff)	

N = NO. BLOWS TO DRIVE 2-INCH SPOON 12-INCHES WITH A 140 LB. PIN WT. FALLING 30-INCHES PER BLOW

CLASSIFIED BY: Geologist

DRILLER: T. FARRELL
DRILL RIG TYPE : CME-550X
METHOD OF INVESTIGATION ASTM D-1586 USING HOLLOW STEM AUGERS

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

DATE
START 12/12/2013
FINISH 12/12/2013
SHEET 2 OF 2

SJB SERVICES, INC.
SUBSURFACE LOG

HOLE NO. B-7
SURF. ELEV 603.0' ±
G.W. DEPTH See Notes

PROJECT: PROPOSED IMPROVEMENTS
PROJ. NO.: BE-13-192
LOCATION: WESTWOOD COUNTRY CLUB
AMHERST, NEW YORK

DEPTH FT.	SMPL NO.	BLOWS ON SAMPLER 0/6	6/12	12/18	N	SOIL OR ROCK CLASSIFICATION	NOTES
	12	4	5			Gray Highly Weathered SHALE Rock (wet)	
		3	7		8		
45							
	13	5	4				
		3	8		7		
	14	50/0.1			REF		
50						Boring Complete with Sample Spoon Refusal at 47.5' and Auger Refusal at 47.6'	No free standing water encountered at boring completion.
55							
60							
65							
70							
75							

N = NO. BLOWS TO DRIVE 2-INCH SPOON 12-INCHES WITH A 140 LB. PIN WT. FALLING 30-INCHES PER BLOW

CLASSIFIED BY: Geologist

DRILLER: T. FARRELL
DRILL RIG TYPE : CME-550X

METHOD OF INVESTIGATION ASTM D-1586 USING HOLLOW STEM AUGERS

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

DATE
START 1/14/2014
FINISH 1/14/2014
SHEET 1 OF 2

SJB SERVICES, INC.
SUBSURFACE LOG

HOLE NO. B-8
SURF. ELEV 602.8' ±
G.W. DEPTH See Notes

PROJECT: PROPOSED IMPROVEMENTS
PROJ. NO.: BE-13-192
LOCATION: WESTWOOD COUNTRY CLUB
AMHERST, NEW YORK

DEPTH FT.	SMPL NO.	BLOWS ON SAMPLER 0/6	6/12	12/18	N	SOIL OR ROCK CLASSIFICATION	NOTES
	1	1	1			TOPSOIL	Driller notes approx. 2" Topsoil
		2	3		3	Brown Silty CLAY, tr.sand (moist-wet, soft, CL)	
	2	6	7			Becomes Red-Brown and Gray (moist, stiff)	
		5	5		12		
5	3	5	4			Becomes Brown	
		7	9		11		
	4	15	16			(hard)	
		17	19		33		
	5	5	5			Contains occasional Silt partings and seams (stiff)	
10		7	9		12		
	6	6	7			Red-Brown Clayey SILT, little f-c Sand, tr.gravel (moist, stiff, ML)	
		7	7		14		
15	7	9	8			Brown Silty CLAY, little f-c Sand, tr.gravel (moist, v.stiff, CL)	
		8	10		16		
20	8	7	12			Brown-Gray Clayey SILT, little f-c Sand, tr.gravel (moist, v.stiff, ML)	
		16	14		28		
25	9	7	15			Contains some f-c Sand	
		14	12		29		
30	10	12	17			(hard)	
		28	27		45		
35	11	16	17				
		23	25		40		

N = NO. BLOWS TO DRIVE 2-INCH SPOON 12-INCHES WITH A 140 LB. PIN WT. FALLING 30-INCHES PER BLOW

CLASSIFIED BY: Geologist

DRILLER: S. WOLKIEWICZ

DRILL RIG TYPE : CME-550SE

METHOD OF INVESTIGATION ASTM D-1586 USING HOLLOW STEM AUGERS

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

DATE
START 1/14/2014
FINISH 1/14/2014
SHEET 2 OF 2

SJB SERVICES, INC.
SUBSURFACE LOG

HOLE NO. B-8
SURF. ELEV 602.8' ±
G.W. DEPTH See Notes

PROJECT: PROPOSED IMPROVEMENTS
PROJ. NO.: BE-13-192
LOCATION: WESTWOOD COUNTRY CLUB
AMHERST, NEW YORK

DEPTH FT.	SMPL NO.	BLOWS ON SAMPLER 0/6	6/12	12/18	N	SOIL OR ROCK CLASSIFICATION	NOTES
	12	13	17				No Recovery Sample #12
		16	15		33		
45	13	13	21			Contains occasional Shale fragments	
		38	32		59		
50						Boring Complete with Auger Refusal at 47.5'	No free standing water encountered at boring completion.
55							
60							
65							
70							
75							

N = NO. BLOWS TO DRIVE 2-INCH SPOON 12-INCHES WITH A 140 LB. PIN WT. FALLING 30-INCHES PER BLOW

CLASSIFIED BY: Geologist

DRILLER: S. WOLKIEWICZ

DRILL RIG TYPE : CME-550SE

METHOD OF INVESTIGATION ASTM D-1586 USING HOLLOW STEM AUGERS

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

DATE
START 1/27/2014
FINISH 1/27/2014
SHEET 1 OF 2

SJB SERVICES, INC.
SUBSURFACE LOG

HOLE NO. B-9
SURF. ELEV 602.4' ±
G.W. DEPTH See Notes

PROJECT: PROPOSED IMPROVEMENTS
PROJ. NO.: BE-13-192
LOCATION: WESTWOOD COUNTRY CLUB
AMHERST, NEW YORK

DEPTH FT.	SMPL NO.	BLOWS ON SAMPLER 0/6	6/12	12/18	N	SOIL OR ROCK CLASSIFICATION	NOTES
	1	2	2			TOPSOIL	Driller notes approx. 3" Topsoil
		2	2		4	Brown-Black Silty CLAY, tr.sand, tr.organics (moist-wet, FILL)	
	2	2	3			Red-Brown Silty CLAY, tr.sand, occasional Silt partings (moist, medium, CL)	
		3	4		6		
5	3	4	7				
		9	15		16	(v.stiff)	
	4	5	8				
		10	14		18		
	5	4	5			(moist-wet, stiff)	
10		8	8		13		
	6	4	4				
		5	6		9		
15							
	7	2	2			Red-Brown Clayey SILT, some f-m Sand (moist-wet, medium, ML)	
		2	3		4		
20							
	8	9	12			Contains tr.gravel (moist, v.stiff)	
		14	16		26		
25							
	9	14	16			(hard)	
		15	17		31		
30							
	10	14	19			Gray-Brown f-c SAND, some-and Silt, tr.gravel (moist, compact, SM)	
		20	22		39		
35							
	11	13	15				
		17	19		32		

N = NO. BLOWS TO DRIVE 2-INCH SPOON 12-INCHES WITH A 140 LB. PIN WT. FALLING 30-INCHES PER BLOW

CLASSIFIED BY: Geologist

DRILLER: A. JAKUBCZAK

DRILL RIG TYPE : CME-550X

METHOD OF INVESTIGATION ASTM D-1586 USING HOLLOW STEM AUGERS

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

DATE
START 1/27/2014
FINISH 1/27/2014
SHEET 2 OF 2

SJB SERVICES, INC.
SUBSURFACE LOG

HOLE NO. B-9
SURF. ELEV 602.4' ±
G.W. DEPTH See Notes

PROJECT: PROPOSED IMPROVEMENTS
PROJ. NO.: BE-13-192
LOCATION: WESTWOOD COUNTRY CLUB
AMHERST, NEW YORK

DEPTH FT.	SMPL NO.	BLOWS ON SAMPLER 0/6	6/12	12/18	N	SOIL OR ROCK CLASSIFICATION	NOTES
	12	14	19			Brown-Gray f-m SAND and Silt, tr.gravel	
		21	23		40	(moist, compact, SM)	
45						Boring Complete with Auger Refusal at 44.0'	Free standing water recorded at 22.0' at boring completion.
50							
55							
60							
65							
70							
75							

N = NO. BLOWS TO DRIVE 2-INCH SPOON 12-INCHES WITH A 140 LB. PIN WT. FALLING 30-INCHES PER BLOW

CLASSIFIED BY: Geologist

DRILLER: A. JAKUBCZAK

DRILL RIG TYPE : CME-550X

METHOD OF INVESTIGATION ASTM D-1586 USING HOLLOW STEM AUGERS

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

DATE
START 1/27/2014
FINISH 1/27/2014
SHEET 1 OF 1

SJB SERVICES, INC.
SUBSURFACE LOG

HOLE NO. B-10
SURF. ELEV 600.4' ±
G.W. DEPTH See Notes

PROJECT: PROPOSED IMPROVEMENTS
PROJ. NO.: BE-13-192
LOCATION: WESTWOOD COUNTRY CLUB
AMHERST, NEW YORK

DEPTH FT.	SMPL NO.	BLOWS ON SAMPLER 0/6	6/12	12/18	N	SOIL OR ROCK CLASSIFICATION	NOTES
	1	2	2			TOPSOIL	Driller notes approx. 3" Topsoil
		3	3		5	Black Organic Clayey SILT, little f-c Sand (moist, FILL)	
	2	4	5			Red-Brown Clayey SILT, little f-c Sand, tr.gravel	
		7	6		12	(moist, stiff, ML)	
5	3	12	11				
		11	12		22		
	4	8	10				
		13	12		23		
	5	12	5				
10		15	17		20		
	6	5	14				
		17	15		31	(hard)	
15						Boring Complete with Auger Refusal at 13.5'	No free standing water encountered at boring completion.
20							
25							
30							
35							

N = NO. BLOWS TO DRIVE 2-INCH SPOON 12-INCHES WITH A 140 LB. PIN WT. FALLING 30-INCHES PER BLOW

CLASSIFIED BY: Geologist

DRILLER: S. WOLKIEWICZ

DRILL RIG TYPE : CME-550X

METHOD OF INVESTIGATION ASTM D-1586 USING HOLLOW STEM AUGERS

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

DATE
START 1/27/2014
FINISH 1/27/2014
SHEET 1 OF 1

SJB SERVICES, INC.
SUBSURFACE LOG

HOLE NO. B-10A
SURF. ELEV 600.4' ±
G.W. DEPTH See Notes

PROJECT: PROPOSED IMPROVEMENTS
PROJ. NO.: BE-13-192
LOCATION: WESTWOOD COUNTRY CLUB
AMHERST, NEW YORK

DEPTH FT.	SMPL NO.	BLOWS ON SAMPLER 0/6	6/12	12/18	N	SOIL OR ROCK CLASSIFICATION	NOTES
5						OVERBURDEN SOILS	Boring B-10A is a continuation of Boring B-10. Driller notes moving 7' north and augering to refusal.
10							
15						Boring Complete with Auger Refusal at 11.7'	No free standing water encountered at boring completion.
20							
25							
30							
35							

N = NO. BLOWS TO DRIVE 2-INCH SPOON 12-INCHES WITH A 140 LB. PIN WT. FALLING 30-INCHES PER BLOW

CLASSIFIED BY: Geologist

DRILLER: S. WOLKIEWICZ

DRILL RIG TYPE : CME-550X

METHOD OF INVESTIGATION ASTM D-1586 USING HOLLOW STEM AUGERS

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

DATE
START 12/6/2013
FINISH 12/6/2013
SHEET 1 OF 2

SJB SERVICES, INC.
SUBSURFACE LOG

HOLE NO. B-11
SURF. ELEV 601.7' ±
G.W. DEPTH See Notes

PROJECT: PROPOSED IMPROVEMENTS
PROJ. NO.: BE-13-192
LOCATION: WESTWOOD COUNTRY CLUB
AMHERST, NEW YORK

DEPTH FT.	SMPL NO.	BLOWS ON SAMPLER 0/6	6/12	12/18	N	SOIL OR ROCK CLASSIFICATION	NOTES
	1	2	2			TOPSOIL	Driller notes approx. 4" Topsoil
		3	2		5	Black CINDERS, little Silt (moist, FILL)	
	2	2	3			Red-Brown Silty CLAY, tr.sand (moist, medium, CL)	
		4	4		7		
5	3	4	4			Red-Brown Clayey SILT, tr.sand (moist, stiff, ML)	
		5	5		9		
	4	5	6			Becomes Brown	
		5	6		11		
	5	2	3			Brown Silty CLAY, tr.sand (moist-wet, medium, CL)	
10		2	3		5		
	6	3	3				
		4	5		7		
15							
	7	1	2			Contains some f-c Sand	
		2	3		4		
20							
	8	2	2			Contains tr.sand, tr.gravel	
		3	4		5		
25							
	9	8	9			Brown-Orange Clayey SILT, little f-c Sand, tr.gravel (moist, v.stiff, ML)	
		12	13		21		
30							
	10	4	3			(wet, medium)	
		4	5		7		
35							
	11	2	1				
		3	1		4		

N = NO. BLOWS TO DRIVE 2-INCH SPOON 12-INCHES WITH A 140 LB. PIN WT. FALLING 30-INCHES PER BLOW

CLASSIFIED BY: Geologist

DRILLER: T. FARRELL

DRILL RIG TYPE : CME-550X

METHOD OF INVESTIGATION ASTM D-1586 USING HOLLOW STEM AUGERS

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

DATE
START 12/6/2013
FINISH 12/6/2013
SHEET 2 OF 2

SJB SERVICES, INC.
SUBSURFACE LOG

HOLE NO. B-11
SURF. ELEV 601.7' ±
G.W. DEPTH See Notes

PROJECT: PROPOSED IMPROVEMENTS
PROJ. NO.: BE-13-192
LOCATION: WESTWOOD COUNTRY CLUB
AMHERST, NEW YORK

DEPTH FT.	SMPL NO.	BLOWS ON SAMPLER 0/6	6/12	12/18	N	SOIL OR ROCK CLASSIFICATION	NOTES
	12	4	4			Contains some-and f-c SAND (stiff)	
		8	12		12		
45	13	21	50/0.2		REF	Gray SHALE Rock fragments (moist)	
						Boring Complete with Sample Spoon and Auger Refusal at 45.7'	No free standing water reading obtained at boring completion.
50							
55							
60							
65							
70							
75							

N = NO. BLOWS TO DRIVE 2-INCH SPOON 12-INCHES WITH A 140 LB. PIN WT. FALLING 30-INCHES PER BLOW

CLASSIFIED BY: Geologist

DRILLER: T. FARRELL

DRILL RIG TYPE : CME-550X

METHOD OF INVESTIGATION ASTM D-1586 USING HOLLOW STEM AUGERS

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

DATE
START 1/26/2014
FINISH 1/26/2014
SHEET 1 OF 1

SJB SERVICES, INC.
SUBSURFACE LOG

HOLE NO. B-12
SURF. ELEV 599.1' ±
G.W. DEPTH See Notes

PROJECT: PROPOSED IMPROVEMENTS
PROJ. NO.: BE-13-192
LOCATION: WESTWOOD COUNTRY CLUB
AMHERST, NEW YORK

DEPTH FT.	SMPL NO.	BLOWS ON SAMPLER 0/6	6/12	12/18	N	SOIL OR ROCK CLASSIFICATION	NOTES
	1	2	2			TOPSOIL	Driller notes approx. 4" Topsoil
		3	4		5	Red-Brown Silty CLAY, little f-c Sand (moist, medium, CL)	
	2	3	5			(stiff)	
		4	6		9		
5	3	5	7			Contains some f-c Sand, tr.gravel (v.stiff)	
		10	13		17		
	4	4	9				
		12	15		21		
	5	6	21			Becomes Brown-Gray, contains tr.gravel (hard)	
10		33	30		54		
	6	10	19				
		36	37		55		
15							
	7	13	28			Brown-Gray f-m SAND and Clayey Silt, tr.gravel (moist, v.compact, SC-SM)	
		36	38		64		
	8	22	36				
20		34	39		70		
						Boring Complete at 20.0'	No free standing water encountered at boring completion.
25							
30							
35							

N = NO. BLOWS TO DRIVE 2-INCH SPOON 12-INCHES WITH A 140 LB. PIN WT. FALLING 30-INCHES PER BLOW

CLASSIFIED BY: Geologist

DRILLER: A. JAKUBCZAK
DRILL RIG TYPE : CME-550X
METHOD OF INVESTIGATION ASTM D-1586 USING HOLLOW STEM AUGERS

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

DATE
START 12/16/2013
FINISH 12/16/2013
SHEET 1 OF 1

SJB SERVICES, INC.
SUBSURFACE LOG

HOLE NO. B-13
SURF. ELEV 599.1' ±
G.W. DEPTH See Notes

PROJECT: PROPOSED IMPROVEMENTS
PROJ. NO.: BE-13-192
LOCATION: WESTWOOD COUNTRY CLUB
AMHERST, NEW YORK

DEPTH FT.	SMPL NO.	BLOWS ON SAMPLER 0/6	6/12	12/18	N	SOIL OR ROCK CLASSIFICATION	NOTES
	1	1	2			TOPSOIL	Driller notes approx. 10" Topsoil
		2	3		4	Red-Brown Silty CLAY, tr.sand (moist, FILL)	
	2	3	5			Red-Brown Silty CLAY, tr.sand (moist, stiff, CL)	
		7	7		12		
5	3	5	7			Red-Brown Clayey SILT, tr.sand (moist, stiff, ML)	
		8	12		15		
	4	4	2			Brown Fine SAND, some Silt, occasional Silt seams (moist-wet, v.loose, SM)	
		3	2		5		
	5	4	8			Brown Silty CLAY, tr.sand (moist-wet, v.stiff, CL)	
10		8	8		16		
	6	5	6			Red-Brown Clayey SILT, little f-c Sand (moist, stiff, ML)	
		6	10		12		
15							
	7	3	7				
		6	8		13		
20	8	7	8				
		7	10		15		
						Boring Complete at 21.0'	No free standing water encountered at boring completion.
25							
30							
35							

N = NO. BLOWS TO DRIVE 2-INCH SPOON 12-INCHES WITH A 140 LB. PIN WT. FALLING 30-INCHES PER BLOW

CLASSIFIED BY: Geologist

DRILLER: T. FARRELL

DRILL RIG TYPE : CME-550X

METHOD OF INVESTIGATION ASTM D-1586 USING HOLLOW STEM AUGERS

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

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SJB SERVICES, INC.
SUBSURFACE LOG

HOLE NO. B-14
SURF. ELEV 602.9' ±
G.W. DEPTH See Notes

PROJECT: PROPOSED IMPROVEMENTS
PROJ. NO.: BE-13-192
LOCATION: WESTWOOD COUNTRY CLUB
AMHERST, NEW YORK

DEPTH FT.	SMPL NO.	BLOWS ON SAMPLER 0/6	6/12	12/18	N	SOIL OR ROCK CLASSIFICATION	NOTES
	1	1	3			TOPSOIL	Driller notes approx. 10" Topsoil
		4	9		7	Red-Brown and Black Clayey SILT, little f-c Sand, tr.gravel (moist, FILL)	
	2	12	6			Red-Brown Silty CLAY, tr.-little f-c Sand (moist, stiff, CL)	
		8	10		14		
5	3	8	7				
		10	11		17	Contains some f-c Sand, tr.gravel (v.stiff)	
	4	9	10				
		9	11		19		
	5	9	12				
10		11	15		23		
	6	10	14				
		15	18		29		
15							
	7	4	5			(moist-wet, stiff, CL)	
		6	8		11		
20							
	8	6	7			(v.stiff)	
		11	15		18		
25							
	9	12	14			Brown-Gray f-c SAND and Clayey Silt, little f-c Gravel (moist, firm, SC-SM)	
		8	13		22		
30							
	10	15	10				Poor Recovery Sample #10
		9	12		19		
35							
	11	12	13			Red-Brown Silty CLAY, tr.sand (moist-wet, v.stiff, CL)	
		15	16		28		

N = NO. BLOWS TO DRIVE 2-INCH SPOON 12-INCHES WITH A 140 LB. PIN WT. FALLING 30-INCHES PER BLOW

CLASSIFIED BY: Geologist

DRILLER: T. FARRELL

DRILL RIG TYPE : CME-550X

METHOD OF INVESTIGATION ASTM D-1586 USING HOLLOW STEM AUGERS

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SJB SERVICES, INC.
SUBSURFACE LOG

HOLE NO. B-14
SURF. ELEV 602.9' ±
G.W. DEPTH See Notes

PROJECT: PROPOSED IMPROVEMENTS
PROJ. NO.: BE-13-192
LOCATION: WESTWOOD COUNTRY CLUB
AMHERST, NEW YORK

DEPTH FT.	SMPL NO.	BLOWS ON SAMPLER 0/6	6/12	12/18	N	SOIL OR ROCK CLASSIFICATION	NOTES
	12	6	10				
		13	14		23		
45	13	13	18			Brown-Gray SILT and Fine Sand, tr.gravel (moist, compact, ML)	
		20	23		38		
	14	50/0.1			REF		
50						Boring Complete with Sample Spoon Refusal at 47.5' and Auger Refusal at 47.7'	Free standing water recorded at 38.2' at boring completion.
55							
60							
65							
70							
75							

N = NO. BLOWS TO DRIVE 2-INCH SPOON 12-INCHES WITH A 140 LB. PIN WT. FALLING 30-INCHES PER BLOW

CLASSIFIED BY: Geologist

DRILLER: A. KOSKE

DRILL RIG TYPE : CME-550X

METHOD OF INVESTIGATION ASTM D-1586 USING HOLLOW STEM AUGERS

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SJB SERVICES, INC.
SUBSURFACE LOG

HOLE NO. B-15
SURF. ELEV 602.9' ±
G.W. DEPTH See Notes

PROJECT: PROPOSED IMPROVEMENTS
PROJ. NO.: BE-13-192
LOCATION: WESTWOOD COUNTRY CLUB
AMHERST, NEW YORK

DEPTH FT.	SMPL NO.	BLOWS ON SAMPLER 0/6	6/12	12/18	N	SOIL OR ROCK CLASSIFICATION	NOTES
	1	2	3			TOPSOIL	Driller notes approx. 3.5" Topsoil
		5	6		8	Red-Brown Clayey SILT, little f-c Sand	
	2	6	11			(moist, medium, ML)	
		12	14		23	(v.stiff)	
5	3	11	12			Becomes Brown	
		12	16		24		
	4	14	18			Contains tr.gravel (hard)	
		23	24		41		
	5	9	12			(v.stiff)	
10		14	16		26		
	6	12	14				
		11	16		25		
15							
	7	5	9				
		15	16		24		
	8	17	21				
20		26	30		47	Contains some f-c Sand (hard)	
						Boring Complete at 20.0'	No free standing water enountered at boring completion.
25							
30							
35							

N = NO. BLOWS TO DRIVE 2-INCH SPOON 12-INCHES WITH A 140 LB. PIN WT. FALLING 30-INCHES PER BLOW

CLASSIFIED BY: Geologist

DRILLER: S. WOLKIEWICZ

DRILL RIG TYPE : CME-550SE

METHOD OF INVESTIGATION ASTM D-1586 USING HOLLOW STEM AUGERS

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SJB SERVICES, INC.
SUBSURFACE LOG

HOLE NO. B-16
SURF. ELEV 599.5' ±
G.W. DEPTH See Notes

PROJECT: PROPOSED IMPROVEMENTS
PROJ. NO.: BE-13-192
LOCATION: WESTWOOD COUNTRY CLUB
AMHERST, NEW YORK

DEPTH FT.	SMPL NO.	BLOWS ON SAMPLER 0/6	6/12	12/18	N	SOIL OR ROCK CLASSIFICATION	NOTES
	1	WOH	3			TOPSOIL	Driller notes approx. 6" Topsoil
		4	4		7	Red-Brown Clayey SILT, little-some f-c Sand, tr.gravel (moist, FILL)	
	2	12	11				
		12	16		23	Red-Brown Clayey SILT, tr.-little f-c Sand	WOH = Weight of Hammer and Rods
5	3	10	11			(moist, v.stiff, ML)	
		18	17		29		
	4	16	25				
		27	33		52	Contains little f-c Gravel (hard)	
	5	11	18				
10		22	24		40		
	6	10	14				
		19	23		33		
15							
	7	5	10			(moist-wet, v.stiff)	
		10	12		20		
	8	15	21			Red-Brown Silty CLAY, tr.-little f-c Sand	
20		22	18		43	(moist, hard, CL)	
						Boring Complete at 20.0'	No free standing water encountered at boring completion.
25							
30							
35							

N = NO. BLOWS TO DRIVE 2-INCH SPOON 12-INCHES WITH A 140 LB. PIN WT. FALLING 30-INCHES PER BLOW

CLASSIFIED BY: Geologist

DRILLER: S. WOLKIEWICZ

DRILL RIG TYPE : CME-550SE

METHOD OF INVESTIGATION ASTM D-1586 USING HOLLOW STEM AUGERS

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SJB SERVICES, INC.
SUBSURFACE LOG

HOLE NO. B-17
SURF. ELEV 598.2' ±
G.W. DEPTH See Notes

PROJECT: PROPOSED IMPROVEMENTS
PROJ. NO.: BE-13-192
LOCATION: WESTWOOD COUNTRY CLUB
AMHERST, NEW YORK

DEPTH FT.	SMPL NO.	BLOWS ON SAMPLER 0/6	6/12	12/18	N	SOIL OR ROCK CLASSIFICATION	NOTES
	1	3	2			TOPSOIL	
		1	2		3	Brown-Black Silty CLAY, tr.sand, tr.organics (wet, FILL)	
	2	4	3			Gray-Brown f-c SAND and Silt (wet, FILL)	
		4	3		7		
5	3	4	6			Red-Brown Silty CLAY, tr.sand (moist, stiff, CL)	
		5	6		11		
	4	8	7			Red-Brown Clayey SILT, little f-c Sand, tr.gravel	
		8	11		15	(moist, stiff, ML)	
	5	6	11			Red-Brown Silty CLAY, tr.sand (moist, hard, CL)	
10		20	16		31		
	6	12	14				
		20	22		34		
15							
	7	10	10			(v.stiff)	
		12	15		22		
20							
	8	11	16			Brown-Gray Clayey SILT, some f-c Sand, tr.gravel	
		15	20		31	(moist, hard, ML)	
25						Boring Complete at 22.0'	No free standing water reading obtained at boring completion.
30							
35							

N = NO. BLOWS TO DRIVE 2-INCH SPOON 12-INCHES WITH A 140 LB. PIN WT. FALLING 30-INCHES PER BLOW

CLASSIFIED BY: Geologist

DRILLER: A. JAKUBCZAK

DRILL RIG TYPE : CME-550X

METHOD OF INVESTIGATION ASTM D-1586 USING HOLLOW STEM AUGERS

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SJB SERVICES, INC.
SUBSURFACE LOG

HOLE NO. B-18
SURF. ELEV 588.5' ±
G.W. DEPTH See Notes

PROJECT: PROPOSED IMPROVEMENTS
PROJ. NO.: BE-13-192
LOCATION: WESTWOOD COUNTRY CLUB
AMHERST, NEW YORK

DEPTH FT.	SMPL NO.	BLOWS ON SAMPLER 0/6	6/12	12/18	N	SOIL OR ROCK CLASSIFICATION	NOTES
	1	3	3			TOPSOIL	Driller notes approx. 3" Topsoil
		3	3		6	Brown-Black Silty CLAY, tr.sand, tr.organics (moist, FILL)	
	2	5	6				
		5	7		11		
5	3	3	5			Red-Brown Silty CLAY, tr.-little f-c Sand (moist-wet, stiff, CL)	
		5	4		10		
	4	7	11			Brown-Gray Clayey SILT, some f-c Sand, tr.gravel (moist, v.stiff, ML)	
		14	12		25		
	5	7	11				
10		12	15		23		
	6	8	8				Poor Recovery Sample #6
		10	14		18		
15							
	7	14	15			(hard)	
		17	21		32		
20							
	8	5	7				
		34	50/0.4		41		
25							
	9	4	8			Brown-Gray Silty CLAY, some f-c Sand, tr.gravel (moist-wet, v.stiff, CL)	
		12	14		20		
30							
	10	1	1			Becomes Red-Brown (wet, medium)	
		3	2		4		
35							
						Boring Complete with Auger Refusal at 35.0'	No free standing water reading obtained at boring completion.

N = NO. BLOWS TO DRIVE 2-INCH SPOON 12-INCHES WITH A 140 LB. PIN WT. FALLING 30-INCHES PER BLOW

CLASSIFIED BY: Geologist

DRILLER: A. JAKUBCZAK

DRILL RIG TYPE :

METHOD OF INVESTIGATION ASTM D-1586 USING HOLLOW STEM AUGERS

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SJB SERVICES, INC.
SUBSURFACE LOG

HOLE NO. B-19
SURF. ELEV 592.3' ±
G.W. DEPTH See Notes

PROJECT: PROPOSED IMPROVEMENTS
PROJ. NO.: BE-13-192
LOCATION: WESTWOOD COUNTRY CLUB
AMHERST, NEW YORK

DEPTH FT.	SMPL NO.	BLOWS ON SAMPLER 0/6	6/12	12/18	N	SOIL OR ROCK CLASSIFICATION	NOTES
	1	2	2			TOPSOIL	
		2	4		4	Black-Brown Clayey SILT, some f-c Sand (moist, FILL)	
	2	2	2			Yellow-Brown Silty CLAY, little Fine Sand	
		2	2		4	(moist-wet, medium, CL)	
5	3	3	3			Yellow-Brown Fine SAND, little-some Silt	
		2	2		5	(moist-wet, v.loose, SM)	
	4	2	2				
		3	2		5		
	5	2	2			Red-Brown Silty CLAY, little f-c Sand, tr.gravel	
10		4	5		6	(moist-wet, medium, CL)	
	6	4	6			(stiff)	
		5	7		11		
15							
	7	7	8			Red-Brown f-m SAND, some-and Silt, little f-c Gravel	
		12	14		20	(moist, firm, SM)	
	8	10	11			Contains tr.clay	
20		13	11		24		
						Boring Complete at 20.0'	No free standing water encountered at boring completion.
25							
30							
35							

N = NO. BLOWS TO DRIVE 2-INCH SPOON 12-INCHES WITH A 140 LB. PIN WT. FALLING 30-INCHES PER BLOW

CLASSIFIED BY: Geologist

DRILLER: S. WOLKIEWICZ

DRILL RIG TYPE : CME-550X

METHOD OF INVESTIGATION ASTM D-1586 USING HOLLOW STEM AUGERS

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SJB SERVICES, INC.
SUBSURFACE LOG

HOLE NO. B-20
SURF. ELEV 597.0' ±
G.W. DEPTH See Notes

PROJECT: PROPOSED IMPROVEMENTS
PROJ. NO.: BE-13-192
LOCATION: WESTWOOD COUNTRY CLUB
AMHERST, NEW YORK

DEPTH FT.	SMPL NO.	BLOWS ON SAMPLER 0/6	6/12	12/18	N	SOIL OR ROCK CLASSIFICATION	NOTES
	1	6	3			TOPSOIL	
		5	3		8	Black-Brown Clayey SILT, tr.sand, tr.organics	
	2	5	5			(moist-wet, FILL)	
		5	5		10	Red-Brown Clayey SILT, tr.sand (moist, stiff, ML)	
5	3	5	8				
		7	6		15		
	4	8	10			Red-Brown Silty CLAY, tr.sand (moist, v.stiff, CL)	
		12	8		22		
	5	6	6			Becomes Brown (stiff)	
10		6	6		12		
	6	3	4				
		5	6		9		
15							
	7	4	7			Brown-Gray Clayey SILT, little-some f-c Sand, tr.gravel	
		8	12		15	(moist, stiff, ML)	
20							
	8	12	13			(v.stiff)	
		15	14		28		
25							
	9	7	11				
		12	12		23		
30							
	10	3	7				
		12	13		19		
35							
	11	WOH/2.0			WOH	Brown-Gray Silty CLAY, tr.sand (moist-wet, v.soft, CL)	WOH = Weight of Hammer and Rods

N = NO. BLOWS TO DRIVE 2-INCH SPOON 12-INCHES WITH A 140 LB. PIN WT. FALLING 30-INCHES PER BLOW

CLASSIFIED BY: Geologist

DRILLER: S. WOLKIEWICZ

DRILL RIG TYPE : CME-550X

METHOD OF INVESTIGATION ASTM D-1586 USING HOLLOW STEM AUGERS

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SJB SERVICES, INC.
SUBSURFACE LOG

HOLE NO. B-20
SURF. ELEV 597.0' ±
G.W. DEPTH See Notes

PROJECT: PROPOSED IMPROVEMENTS
PROJ. NO.: BE-13-192
LOCATION: WESTWOOD COUNTRY CLUB
AMHERST, NEW YORK

DEPTH FT.	SMPL NO.	BLOWS ON SAMPLER 0/6	6/12	12/18	N	SOIL OR ROCK CLASSIFICATION	NOTES
	12	WOH/2.0			WOH	Gray Fine SAND, some-and Silt, tr.gravel (wet, v.loose, SM)	WOH = Weight of Hammer and Rods
45						Boring Complete with Auger Refusal at 43.5'	Free standing water recorded at 16.5' at boring completion.
50							
55							
60							
65							
70							
75							

N = NO. BLOWS TO DRIVE 2-INCH SPOON 12-INCHES WITH A 140 LB. PIN WT. FALLING 30-INCHES PER BLOW

CLASSIFIED BY: Geologist

DRILLER: S. WOLKIEWICZ

DRILL RIG TYPE : CME-550X

METHOD OF INVESTIGATION ASTM D-1586 USING HOLLOW STEM AUGERS

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SJB SERVICES, INC.
SUBSURFACE LOG

HOLE NO. B-21
SURF. ELEV 598.2' ±
G.W. DEPTH See Notes

PROJECT: PROPOSED IMPROVEMENTS
PROJ. NO.: BE-13-192
LOCATION: WESTWOOD COUNTRY CLUB
AMHERST, NEW YORK

DEPTH FT.	SMPL NO.	BLOWS ON SAMPLER 0/6	6/12	12/18	N	SOIL OR ROCK CLASSIFICATION	NOTES
	1	1	1			Red-Brown Silty CLAY, tr.sand (moist, medium CL)	
		3	2		4		
	2	3	3				Poor Recovery Sample #2 and #3
		3	4		6		
5	3	6	9			Red-Brown Clayey SILT, little f-c Sand (moist, v.stiff, ML)	
		12	12		21		
	4	9	6			Contains tr.gravel	
		12	17		18		
	5	25	24			(hard)	
10		35	37		59		
	6	34	50/0.1		REF		REF = Sample Spoon Refusal
15							
	7	9	15			Becomes Brown	
		31	38		46		
20							
	8	3	2			Brown Silty CLAY, tr.sand (moist-wet, medium, CL)	
		3	3		5		
25							
	9	1	1			Becomes Red-Brown (v.soft)	
		1	1		2		
30							
	10	3	4			(stiff)	
		5	8		9		
35							
	11	12	23			Becomes Brown-Gray (hard)	
		22	28		45		

N = NO. BLOWS TO DRIVE 2-INCH SPOON 12-INCHES WITH A 140 LB. PIN WT. FALLING 30-INCHES PER BLOW

CLASSIFIED BY: Geologist

DRILLER: A. JAKUBCZAK
DRILL RIG TYPE : CME-550X

METHOD OF INVESTIGATION ASTM D-1586 USING HOLLOW STEM AUGERS

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SJB SERVICES, INC.
SUBSURFACE LOG

HOLE NO. B-21
SURF. ELEV 598.2' ±
G.W. DEPTH See Notes

PROJECT: PROPOSED IMPROVEMENTS
PROJ. NO.: BE-13-192
LOCATION: WESTWOOD COUNTRY CLUB
AMHERST, NEW YORK

DEPTH FT.	SMPL NO.	BLOWS ON SAMPLER 0/6	6/12	12/18	N	SOIL OR ROCK CLASSIFICATION	NOTES
	12	31	46	50/0.4	REF	Brown-Gray f-c SAND and Silt, little f-c Gravel (moist, v.compact, SM)	
						Boring Complete with Sample Spoon Refusal at 41.4' and Auger Refusal at 41.5'	Free standing water recorded at 39.0' at boring completion. REF = Sample Spoon Refusal
45							
50							
55							
60							
65							
70							
75							

N = NO. BLOWS TO DRIVE 2-INCH SPOON 12-INCHES WITH A 140 LB. PIN WT. FALLING 30-INCHES PER BLOW

CLASSIFIED BY: Geologist

DRILLER: A. JAKUBCZAK

DRILL RIG TYPE : CME-550X

METHOD OF INVESTIGATION ASTM D-1586 USING HOLLOW STEM AUGERS

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SJB SERVICES, INC.
SUBSURFACE LOG

HOLE NO. B-22
SURF. ELEV 599.1' ±
G.W. DEPTH See Notes

PROJECT: PROPOSED IMPROVEMENTS
PROJ. NO.: BE-13-192
LOCATION: WESTWOOD COUNTRY CLUB
AMHERST, NEW YORK

DEPTH FT.	SMPL NO.	BLOWS ON SAMPLER 0/6	6/12	12/18	N	SOIL OR ROCK CLASSIFICATION	NOTES
	1	WOH	1			TOPSOIL	Driller notes approx. 11" Topsoil
		1	2		2	Brown Silty CLAY, tr.sand (moist, v.soft, CL-CH)	
	2	2	2			(medium)	WOH = Weight of Hammer and Rods
		3	3		5		
5	3	4	3				
		4	5		7	Becomes Red-Brown	
	4	4	5				
		5	5		10	(stiff, CL)	
	5	4	7				
10		8	7		15	Contains "and" f-c Sand, tr.gravel	
	6	12	7				No Recovery Sample #6 and #7
		8	8		15		
15							
	7	13	8				
		9	10		17		
20							
	8	4	5			Contains tr.-little f-c Sand	
		4	6		9		
25							
	9	3	4			(medium)	
		4	4		8		
30							
	10	2	3			Becomes Brown	
		2	3		5		
35							
	11	5	6			Brown f-c SAND and Clayey Silt, little f-c Gravel (moist, firm, SC-SM)	
		7	7		13		

N = NO. BLOWS TO DRIVE 2-INCH SPOON 12-INCHES WITH A 140 LB. PIN WT. FALLING 30-INCHES PER BLOW

CLASSIFIED BY: Geologist

DRILLER: T. FARRELL

DRILL RIG TYPE : CME-550X

METHOD OF INVESTIGATION ASTM D-1586 USING HOLLOW STEM AUGERS

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SJB SERVICES, INC.
SUBSURFACE LOG

HOLE NO. B-22
SURF. ELEV 599.1' ±
G.W. DEPTH See Notes

PROJECT: PROPOSED IMPROVEMENTS
PROJ. NO.: BE-13-192
LOCATION: WESTWOOD COUNTRY CLUB
AMHERST, NEW YORK

DEPTH FT.	SMPL NO.	BLOWS ON SAMPLER 0/6	6/12	12/18	N	SOIL OR ROCK CLASSIFICATION	NOTES
	12	37	42	50/0.3	REF	Gray Highly Weathered SHALE Rock (wet)	
45						Boring Complete with Sample Spoon Refusal at 41.3' and Auger Refusal at 44.1'	No free standing water reading obtained at boring completion.
50							
55							
60							
65							
70							
75							

N = NO. BLOWS TO DRIVE 2-INCH SPOON 12-INCHES WITH A 140 LB. PIN WT. FALLING 30-INCHES PER BLOW

CLASSIFIED BY: Geologist

DRILLER: T. FARRELL
DRILL RIG TYPE : CME-550X
METHOD OF INVESTIGATION ASTM D-1586 USING HOLLOW STEM AUGERS

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

DATE
START 12/12/2013
FINISH 12/12/2013
SHEET 1 OF 1

SJB SERVICES, INC.
SUBSURFACE LOG

HOLE NO. B-23
SURF. ELEV 596.8' ±
G.W. DEPTH See Notes

PROJECT: PROPOSED IMPROVEMENTS
PROJ. NO.: BE-13-192
LOCATION: WESTWOOD COUNTRY CLUB
AMHERST, NEW YORK

DEPTH FT.	SMPL NO.	BLOWS ON SAMPLER 0/6	6/12	12/18	N	SOIL OR ROCK CLASSIFICATION	NOTES
	1	1	3			TOPSOIL	Driller notes approx. 11" Topsoil
		3	3		6	Brown Silty CLAY, tr.sand (moist, medium, CL)	
	2	3	2				
		4	5		6		
5	3	2	4			Becomes Red-Brown, Contains occasional Silt seams	
		5	5		9	(stiff)	
	4	5	6			Red-Brown Clayey SILT, tr.sand, tr.gravel	
		7	6		13	(moist, stiff, ML)	
	5	7	8				
10		7	9		15		
	6	8	7				
		10	10		17	(v.stiff)	
15							
	7	7	10			Becomes Brown-Gray	
		12	14		22		
20							
	8	11	10			Gray-Brown f-m SAND and Clayey Silt, tr.gravel	
		11	14		21	(moist, firm, SC-SM)	
						Boring Complete at 22.0'	No free standing water encountered at boring completion.
25							
30							
35							

N = NO. BLOWS TO DRIVE 2-INCH SPOON 12-INCHES WITH A 140 LB. PIN WT. FALLING 30-INCHES PER BLOW

CLASSIFIED BY: Geologist

DRILLER: T. FARRELL

DRILL RIG TYPE : CME-550X

METHOD OF INVESTIGATION ASTM D-1586 USING HOLLOW STEM AUGERS

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

DATE
START 1/22/2014
FINISH 1/22/2014
SHEET 1 OF 2

SJB SERVICES, INC.
SUBSURFACE LOG

HOLE NO. B-24
SURF. ELEV 598.6' ±
G.W. DEPTH See Notes

PROJECT: PROPOSED IMPROVEMENTS
PROJ. NO.: BE-13-192
LOCATION: WESTWOOD COUNTRY CLUB
AMHERST, NEW YORK

DEPTH FT.	SMPL NO.	BLOWS ON SAMPLER 0/6	6/12	12/18	N	SOIL OR ROCK CLASSIFICATION	NOTES
	1	1	1			TOPSOIL	
		1	1		2	Black-Brown Clayey SILT, little f-c Sand, tr.gravel	
	2	2	2			(moist, FILL)	
		3	2		5	Contains tr.wood fragments	
5	3	5	4			Red-Brown and Gray Silty CLAY, tr.sand, occasional	
		4	5		8	Silt partings (moist, medium, CL)	
	4	9	9			(v.stiff)	
		9	8		18		
	5	10	7			Red-Brown Clayey SILT, tr.sand, occasional Fine Sand	
10		9	9		16	lenses (moist, v.stiff, ML)	
	6	10	12			Contains tr.gravel	
		15	15		27		
15							
	7	4	7			Brown-Gray Silty CLAY, little-some f-c Sand, tr.gravel	
		14	11		21	(moist, v.stiff, CL)	
20							
	8	6	15			(hard)	
		17	22		32		
25							
	9	10	14				
		17	20		31		
30							
	10	3	3			(medium)	
		4	5		7		
35							
	11	14	17			Brown-Gray f-m SAND, some-and Silt, tr.gravel	
		21	28		38	(moist, compact, SM)	

N = NO. BLOWS TO DRIVE 2-INCH SPOON 12-INCHES WITH A 140 LB. PIN WT. FALLING 30-INCHES PER BLOW

CLASSIFIED BY: Geologist

DRILLER: A. JAKUBCZAK

DRILL RIG TYPE : CME-550X

METHOD OF INVESTIGATION ASTM D-1586 USING HOLLOW STEM AUGERS

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

DATE
START 1/22/2014
FINISH 1/22/2014
SHEET 2 OF 2

SJB SERVICES, INC.
SUBSURFACE LOG

HOLE NO. B-24
SURF. ELEV 598.6' ±
G.W. DEPTH See Notes

PROJECT: PROPOSED IMPROVEMENTS
PROJ. NO.: BE-13-192
LOCATION: WESTWOOD COUNTRY CLUB
AMHERST, NEW YORK

DEPTH FT.	SMPL NO.	BLOWS ON SAMPLER 0/6	6/12	12/18	N	SOIL OR ROCK CLASSIFICATION	NOTES
	12	47	50	50/0.2	REF	(v.compact)	
						Boring Complete with Sample Spoon Refusal at 41.2' and Auger Refusal at 41.3'	No free standing water reading obtained at boring completion. 2" PVC Groundwater Observation Well installed at boring completion. Refer to installation log for details.
45							
50							
55							
60							
65							
70							
75							

N = NO. BLOWS TO DRIVE 2-INCH SPOON 12-INCHES WITH A 140 LB. PIN WT. FALLING 30-INCHES PER BLOW

CLASSIFIED BY: Geologist

DRILLER: A. JAKUBCZAK

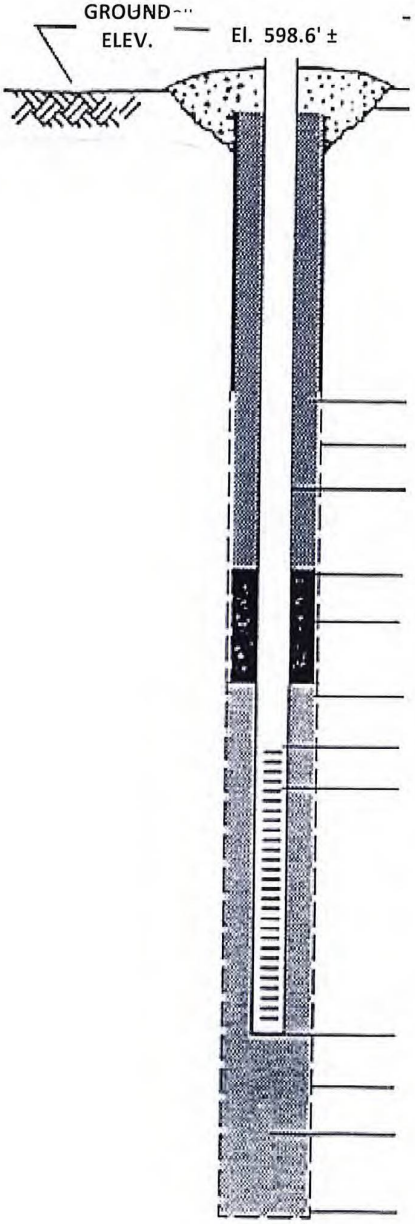
DRILL RIG TYPE : CME-550X

METHOD OF INVESTIGATION ASTM D-1586 USING HOLLOW STEM AUGERS

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

MONITORING WELL COMPLETION RECORD

WELL NUMBER: B-24	
PROJECT NAME: WESTWOOD CC	**DRILLING METHOD: HOLLOW STEM AUGERS**
PROJECT NUMBER: BE-13-192	**GEOLOGIST: N/A**
DRILLER: A. JAKUBCZAK	**INSTALLATION DATE(S): 1/22/2014**



RISER STICK-UP:	**0.7' El. 599.3' ±**
TYPE OF SURFACE SEAL:	**NONE**
TYPE OF BACKFILL:	**AUGER CUTTINGS**
BOREHOLE DIAMETER:	**8" ±**
I.D. OF RISER PIPE:	**2.0"**
TYPE OF RISER PIPE:	**PVC**
DEPTH OF SEAL:	**32.0' El. 566.6' ±**
TYPE OF SEAL:	**BENTONITE CHIPS**
DEPTH OF SAND PACK:	**34.0' El. 564.6' ±**
DEPTH OF TOP OF SCREEN:	**36.0' El. 562.6' ±**
TYPE OF SCREEN:	**PVC**
SLOT SIZE X LENGTH:	**.010 X 5.0'**
I.D. OF SCREEN:	**2.0"**
TYPE OF SAND PACK:	**MORIE "O" FILTER SAND**
DEPTH BOTTOM OF SCREEN:	**41.0' El. 557.6' ±**
DEPTH BOTTOM OF SAND PACK:	**41.0' El. 557.6' ±**
TYPE OF BACKFILL BELOW OBSERVATION WELL:	**N/A**
ELEVATION/ DEPTH OF HOLE:	**41.0' El. 557.6' ±**

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

DATE
START 1/22/2014
FINISH 1/22/2014
SHEET 1 OF 2

SJB SERVICES, INC.
SUBSURFACE LOG

HOLE NO. B-25
SURF. ELEV 594.8' ±
G.W. DEPTH See Notes

PROJECT: PROPOSED IMPROVEMENTS
PROJ. NO.: BE-13-192
LOCATION: WESTWOOD COUNTRY CLUB
AMHERST, NEW YORK

DEPTH FT.	SMPL NO.	BLOWS ON SAMPLER 0/6	6/12	12/18	N	SOIL OR ROCK CLASSIFICATION	NOTES
	1	1	1			TOPSOIL	Driller notes approx. 4" Topsoil.
		3	7		4	Red-Brown Clayey SILT, tr.-little f-c Sand (moist, FILL)	
	2	4	5			Red-Brown Clayey SILT, little-some f-c Sand, tr.gravel	
		9	9		14	(moist, stiff, ML)	
5	3	5	9				
		11	12		20	(v.stiff)	
	4	9	7				
		10	11		17		
	5	10	12				
10		11	11		23	Contains little f-c Sand	
	6	6	10				
		12	14		22		
15							
	7	12	14				
		16	17		30		
20							
	8	7	11				
		13	17		24		
25							
	9	10	13			Contains occasional boulder fragments	
		12	15		25		
30							
	10	2	6			Brown-Gray Silty CLAY, tr.sand (moist-wet, stiff, CL)	
		6	6		12		
35							
	11	WOH/2.0			WOH	Becomes Red-Brown (v.soft)	WOH = Weight of Hammer and Rods

N = NO. BLOWS TO DRIVE 2-INCH SPOON 12-INCHES WITH A 140 LB. PIN WT. FALLING 30-INCHES PER BLOW

CLASSIFIED BY: Geologist

DRILLER: S. WOLKIEWICZ

DRILL RIG TYPE : CME-550X

METHOD OF INVESTIGATION ASTM D-1586 USING HOLLOW STEM AUGERS

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

DATE
START 1/22/2014
FINISH 1/22/2014
SHEET 2 OF 2

SJB SERVICES, INC.
SUBSURFACE LOG

HOLE NO. B-25
SURF. ELEV 594.8' ±
G.W. DEPTH See Notes

PROJECT: PROPOSED IMPROVEMENTS
PROJ. NO.: BE-13-192
LOCATION: WESTWOOD COUNTRY CLUB
AMHERST, NEW YORK

DEPTH FT.	SMPL NO.	BLOWS ON SAMPLER 0/6	6/12	12/18	N	SOIL OR ROCK CLASSIFICATION	NOTES
	12	50/0.2			REF	Gray-Black Weathered SHALE Rock (moist-wet)	
						Boring Complete with Sample Spoon Refusal and Auger Refusal at 40.2'	Free standing water recorded at 13.6' at boring completion.
							REF = Sample Spoon Refusal
45							
50							
55							
60							
65							
70							
75							

N = NO. BLOWS TO DRIVE 2-INCH SPOON 12-INCHES WITH A 140 LB. PIN WT. FALLING 30-INCHES PER BLOW
CLASSIFIED BY: Geologist

DRILLER: S. WOLKIEWICZ
DRILL RIG TYPE : CME-550X

METHOD OF INVESTIGATION ASTM D-1586 USING HOLLOW STEM AUGERS

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

DATE
START 1/23/2014
FINISH 1/23/2014
SHEET 1 OF 2

SJB SERVICES, INC.
SUBSURFACE LOG

HOLE NO. B-26
SURF. ELEV 594.1' ±
G.W. DEPTH See Notes

PROJECT: PROPOSED IMPROVEMENTS
PROJ. NO.: BE-13-192
LOCATION: WESTWOOD COUNTRY CLUB
AMHERST, NEW YORK

DEPTH FT.	SMPL NO.	BLOWS ON SAMPLER 0/6	6/12	12/18	N	SOIL OR ROCK CLASSIFICATION	NOTES
	1	1	1			TOPSOIL	
		2	3		3	Brown-Black Organic Clayey SILT, little Fine Sand (wet, FILL)	
	2	4	5				
		7	6		12	Red-Brown Silty CLAY, tr.sand (moist, stiff, CL)	
5	3	4	7			Contains occasional Silt partings	
		8	7		15		
	4	11	11			(v.stiff)	
		10	5		21		
	5	7	5			(stiff)	
10		10	9		15		
	6	2	4			Brown Clayey SILT, little f-c Sand, tr.gravel (moist, stiff, ML)	
		7	8		11		
15	7	5	8			Brown Silty CLAY, little f-c Sand (moist, v.stiff, CL)	
		13	14		21		
20	8	6	10			Brown Clayey SILT, little-some f-c Sand, tr.gravel (moist, v.stiff, ML)	
		11	11		21		
25	9	8	11			Becomes Brown-Gray	
		12	14		23		
30	10	WOH	3			Red-Brown and Gray Silty CLAY, tr.sand (moist, stiff, CL)	WOH = Weight of Hammer and Rods
		6	6		9		
35	11	8	11			Brown-Gray f-m SAND and Silt, tr.-little f-c Gravel (moist, firm, SM)	
		13	10		24		

N = NO. BLOWS TO DRIVE 2-INCH SPOON 12-INCHES WITH A 140 LB. PIN WT. FALLING 30-INCHES PER BLOW

CLASSIFIED BY: Geologist

DRILLER: S. WOLKIEWICZ

DRILL RIG TYPE : CME-550X

METHOD OF INVESTIGATION ASTM D-1586 USING HOLLOW STEM AUGERS

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

DATE
START 1/23/2014
FINISH 1/23/2014
SHEET 2 OF 2

SJB SERVICES, INC.
SUBSURFACE LOG

HOLE NO. B-26
SURF. ELEV 594.1' ±
G.W. DEPTH See Notes

PROJECT: PROPOSED IMPROVEMENTS
PROJ. NO.: BE-13-192
LOCATION: WESTWOOD COUNTRY CLUB
AMHERST, NEW YORK

DEPTH FT.	SMPL NO.	BLOWS ON SAMPLER 0/6	6/12	12/18	N	SOIL OR ROCK CLASSIFICATION	NOTES
	12	6	50/0.3		REF	Contains little SILT, tr.shale	
						Boring Complete with Sample Spoon Refusal and Auger Refusal at 40.8'	Free standing water recorded at 33.5' at boring completion. REF = Sample Spoon Refusal
45							
50							
55							
60							
65							
70							
75							

N = NO. BLOWS TO DRIVE 2-INCH SPOON 12-INCHES WITH A 140 LB. PIN WT. FALLING 30-INCHES PER BLOW
CLASSIFIED BY: Geologist
DRILLER: S. WOLKIEWICZ
DRILL RIG TYPE : CME-550X
METHOD OF INVESTIGATION ASTM D-1586 USING HOLLOW STEM AUGERS

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

DATE
START 1/23/2014
FINISH 1/23/2014
HEET 1 OF 1

SJB SERVICES, INC.
SUBSURFACE LOG

HOLE NO. B-27
SURF. ELEV 594.3' ±
G.W. DEPTH See Notes

PROJECT: PROPOSED IMPROVEMENTS
PROJ. NO.: BE-13-192
LOCATION: WESTWOOD COUNTRY CLUB
AMHERST, NEW YORK

DEPTH FT.	SMPL NO.	BLOWS ON SAMPLER 0/6	6/12	12/18	N	SOIL OR ROCK CLASSIFICATION	NOTES
	1	1	1			Brown-Black Silty CLAY, tr.sand (moist, FILL)	
		1	2		2		
	2	2	3			Brown Silty CLAY, tr.sand (moist, medium, CL)	
		2	2		5		
5	3	3	3			Becomes Red-Brown	
		4	7		7		
	4	4	5			(stiff)	
		7	7		12		
	5	6	7			(v.stiff)	
10		11	11		18		
	6	9	9				
		11	14		20		
15							
	7	12	16			Becomes Brown-Gray, contains little f-c Sand (hard)	
		20	26		36		
20							
	8	14	22			Brown-Gray Clayey SILT, some-and f-c Sand (moist, hard, ML)	
		26	27		48		
						Boring Complete at 22.0'	No free standing water reading obtained at boring completion.
25							
30							
35							

N = NO. BLOWS TO DRIVE 2-INCH SPOON 12-INCHES WITH A 140 LB. PIN WT. FALLING 30-INCHES PER BLOW

CLASSIFIED BY: Geologist

DRILLER: A. JAKUBCZAK

DRILL RIG TYPE : CME-550X

METHOD OF INVESTIGATION ASTM D-1586 USING HOLLOW STEM AUGERS

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

DATE
START 1/17/2014
FINISH 1/17/2014
SHEET 1 OF 1

SJB SERVICES, INC.
SUBSURFACE LOG

HOLE NO. B-28
SURF. ELEV 593.2' ±
G.W. DEPTH See Notes

PROJECT: PROPOSED IMPROVEMENTS
PROJ. NO.: BE-13-192
LOCATION: WESTWOOD COUNTRY CLUB
AMHERST, NEW YORK

DEPTH FT.	SMPL NO.	BLOWS ON SAMPLER 0/6	6/12	12/18	N	SOIL OR ROCK CLASSIFICATION	NOTES
	1	3	4			TOPSOIL	Driller notes approx. 6" Topsoil
		5	4		9	Brown-Black Clayey SILT, tr.sand, tr.organics (moist, FILL)	
	2	4	6				
		5	7		11	Red-Brown Silty CLAY, tr.sand (moist, stiff, CL)	
5	3	3	9			Red-Brown Clayey SILT, little f-c Sand, tr.gravel (moist, v.stiff, ML)	
		14	15		23		
	4	5	12				
		16	19		28		
	5	6	19				
10		25	27		44	(hard)	
	6	9	17				
		23	29		40		
15							
	7	6	13			Becomes Brown-Gray (v.stiff)	
		16	20		29		
	8	9	12				
20		15	19		27	Red-Brown Silty CLAY, tr.sand (moist, v.stiff, CL)	
						Boring Complete at 20.0'	No free standing water encountered at boring completion.
25							
30							
35							

N = NO. BLOWS TO DRIVE 2-INCH SPOON 12-INCHES WITH A 140 LB. PIN WT. FALLING 30-INCHES PER BLOW

CLASSIFIED BY: Geologist

DRILLER: A. JAKUBCZAK

DRILL RIG TYPE : CME-550X

METHOD OF INVESTIGATION ASTM D-1586 USING HOLLOW STEM AUGERS

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

DATE
START 1/23/2014
FINISH 2/5/2014
SHEET 1 OF 1

SJB SERVICES, INC.
SUBSURFACE LOG

HOLE NO. B-29
SURF. ELEV 594.5' ±
G.W. DEPTH See Notes

PROJECT: PROPOSED IMPROVEMENTS
PROJ. NO.: BE-13-192
LOCATION: WESTWOOD COUNTRY CLUB
AMHERST, NEW YORK

DEPTH FT.	SMPL NO.	BLOWS ON SAMPLER 0/6	6/12	12/18	N	SOIL OR ROCK CLASSIFICATION	NOTES
	1	2	2			TOPSOIL	Driller notes approx. 3" Topsoil
		2	2		4	Brown-Black Clayey SILT, tr.sand, tr.organics (moist, FILL)	
	2	3	4			Red-Brown Silty CLAY, tr.sand (moist, stiff, CL)	
		5	9		9		
5	3	3	5				
		9	9		14		
	4	8	11			Red-Brown Clayey SILT, little-some f-c Sand, tr.gravel (moist, v.stiff, ML)	
		13	15		24		
	5	15	16			(hard)	
10		18	18		34		
	6	7	12			(v.stiff)	
		14	16		26		
15							
	7	15	14				
		16	17		30		
20							
	8	8	30			Gay-Brown f-m SAND, some-and Silt, little f-c Gravel (moist, v.compact, SM)	
		38	36		68		
25							
	9	10	17			Gray Fine SAND, some Silt (moist-wet, compact, SM)	
		28	25		45		
30							
	10	15	25			Gray-Brown f-m SAND, some-and Silt, little f-c Gravel (moist, compact, SM)	Free standing water recorded at 19.3' prior to coring. NQ '2' Size Rock Core
		24	27		49		
35						Gray Shale Rock, medium hard, sound, thinly bedded to bedded, occasional gypsum partings.	RUN #1: 33.5' - 38.5' REC = 82% RQD = 42%
						Boring Complete at 38.5'	

N = NO. BLOWS TO DRIVE 2-INCH SPOON 12-INCHES WITH A 140 LB. PIN WT. FALLING 30-INCHES PER BLOW

CLASSIFIED BY: Geologist

DRILLER: S. WOLKIEWICZ

DRILL RIG TYPE : CME-550X

METHOD OF INVESTIGATION ASTM D-1586 USING HOLLOW STEM AUGERS

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

DATE
START 1/17/2014
FINISH 1/17/2014
SHEET 1 OF 1

SJB SERVICES, INC.
SUBSURFACE LOG

HOLE NO. B-30
SURF. ELEV 594.8' ±
G.W. DEPTH See Notes

PROJECT: PROPOSED IMPROVEMENTS
PROJ. NO.: BE-13-192
LOCATION: WESTWOOD COUNTRY CLUB
AMHERST, NEW YORK

DEPTH FT.	SMPL NO.	BLOWS ON SAMPLER 0/6	6/12	12/18	N	SOIL OR ROCK CLASSIFICATION	NOTES
	1	2	3			TOPSOIL	Driller notes approx. 8" Topsoil
		3	5		6	Red-Brown Silty CLAY, tr.sand (moist, FILL)	
	2	5	6				
		9	10		15		
5	3	7	9			Red-Brown Clayey SILT, tr.sand (moist, v.stiff, ML)	
		12	15		21		
	4	6	11				
		15	16		26		
	5	9	17			Contains little-some f-c Sand (hard)	
10		18	22		35		
	6	10	15			(v.stiff)	
		14	19		29		
15							
	7	5	11				
		15	15		26		
	8	15	7				
20		10	12		17		
25						Boring Complete at 20.0'	No free standing water encountered at boring completion.
30							
35							

N = NO. BLOWS TO DRIVE 2-INCH SPOON 12-INCHES WITH A 140 LB. PIN WT. FALLING 30-INCHES PER BLOW

CLASSIFIED BY: Geologist

DRILLER: A. JAKUBCZAK

DRILL RIG TYPE : CME-550X

METHOD OF INVESTIGATION ASTM D-1586 USING HOLLOW STEM AUGERS

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

DATE
START 1/17/2014
FINISH 1/17/2014
SHEET 1 OF 2

SJB SERVICES, INC.
SUBSURFACE LOG

HOLE NO. B-31
SURF. ELEV 592.5' ±
G.W. DEPTH See Notes

PROJECT: PROPOSED IMPROVEMENTS
PROJ. NO.: BE-13-192
LOCATION: WESTWOOD COUNTRY CLUB
AMHERST, NEW YORK

DEPTH FT.	SMPL NO.	BLOWS ON SAMPLER 0/6	6/12	12/18	N	SOIL OR ROCK CLASSIFICATION	NOTES
	1	3	3			TOPSOIL	Driller notes approx. 6" Topsoil
		3	5		6	Orange-Brown mottled Silty CLAY, tr.sand (moist, medium, CL)	
	2	4	5				
		6	7		11	Orange-Brown and Gray Silty CLAY, some Fine Sand (moist, stiff, CL)	
5	3	4	10				
		11	22		21	Becomes Red-Brown, contains tr.sand (v.stiff)	
	4	6	10				
		13	19		23		
	5	16	50/0.3		REF	Contains little f-c Sand, tr.gravel, tr.boulder fragments (hard)	REF = Sample Spoon Refusal
10							
	6	10	15			Contains some f-c Sand	
		23	26		38		
15							
	7	9	20				No Recovery Sample #7
		21	23		41		
20							
	8	6	9			Becomes Brown-Gray (v.stiff)	
		15	17		24		
25							
	9	5	4			Contains some f-c Sand (stiff)	
		7	11		11		
30							
	10	1	3			Brown Silty CLAY, tr.sand, numerous Silt partings and seams (moist-wet, stiff, CL)	
		8	10		11		
35							
	11	23	31	50/0.4	REF	Brown f-c SAND and Silt, tr.gravel, tr.shale (moist, v.compact, SM)	NQ '2' Size Rock Core
							RUN #1: 38.5' - 43.5'

N = NO. BLOWS TO DRIVE 2-INCH SPOON 12-INCHES WITH A 140 LB. PIN WT. FALLING 30-INCHES PER BLOW

CLASSIFIED BY: Geologist

DRILLER: A. JAKUBCZAK

DRILL RIG TYPE : CME-550X

METHOD OF INVESTIGATION ASTM D-1586 USING HOLLOW STEM AUGERS

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

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SHEET 2 OF 2

SJB SERVICES, INC.
SUBSURFACE LOG

HOLE NO. B-31
SURF. ELEV 592.5' ±
G.W. DEPTH See Notes

PROJECT: PROPOSED IMPROVEMENTS
PROJ. NO.: BE-13-192
LOCATION: WESTWOOD COUNTRY CLUB
AMHERST, NEW YORK

DEPTH FT.	SMPL NO.	BLOWS ON SAMPLER 0/6	6/12	12/18	N	SOIL OR ROCK CLASSIFICATION	NOTES
						Gray SHALE Rock, medium hard, slightly weathered to sound, laminated to bedded, occasional gypsum partings and seams	REC = 75% RQD = Approx. 25%
45						Boring Complete at 43.5'	No free standing water reading obtained at boring completion.
50							
55							
60							
65							
70							
75							

N = NO. BLOWS TO DRIVE 2-INCH SPOON 12-INCHES WITH A 140 LB. PIN WT. FALLING 30-INCHES PER BLOW

CLASSIFIED BY: Geologist

DRILLER: A. JAKUBCZAK

DRILL RIG TYPE : CME-550X

METHOD OF INVESTIGATION ASTM D-1586 USING HOLLOW STEM AUGERS

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

DATE
START 1/31/2014
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SHEET 1 OF 1

SJB SERVICES, INC.
SUBSURFACE LOG

HOLE NO. B-32
SURF. ELEV 594.0' ±
G.W. DEPTH See Notes

PROJECT: PROPOSED IMPROVEMENTS
PROJ. NO.: BE-13-192
LOCATION: WESTWOOD COUNTRY CLUB
AMHERST, NEW YORK

DEPTH FT.	SMPL NO.	BLOWS ON SAMPLER 0/6	6/12	12/18	N	SOIL OR ROCK CLASSIFICATION	NOTES
	1	3	3			TOPSOIL	Driller notes approx. 3" Topsoil
		2	2		5	Brown-Black Silty CLAY, tr.sand, tr.organics (moist, FILL)	
	2	4	3				
		3	5		6		
5	3	5	8			Red-Brown Clayey SILT, tr.sand (moist v.stiff, ML)	
		10	13		18		
	4	6	7				
		9	10		16		
	5	8	10			(moist-wet)	
10		11	12		21		
	6	7	10			Contains tr.gravel	
		13	15		23		
15							
	7	6	12			Becomes Brown	
		12	16		24		
20							
	8	5	7			Brown Silty CLAY, tr.sand (moist-wet, v.stiff, CL)	
		11	10		18		
25							
	9	17	28			Brown-Gray f-m SAND and Silt, tr.gravel (moist, v.compact, SM)	REF = Sample Spoon Refusal
		27	29		55		
30							
	10	50/0.4			REF	Gray-Brown SHALE Rock fragments (moist)	
						Boring Complete with Sample Spoon Refusal at 30.4' and Auger Refusal at 30.5'	No free standing water encountered at boring completion.
35							

N = NO. BLOWS TO DRIVE 2-INCH SPOON 12-INCHES WITH A 140 LB. PIN WT. FALLING 30-INCHES PER BLOW

CLASSIFIED BY: Geologist

DRILLER: S. WOLKEWICZ

DRILL RIG TYPE : CME-550X

METHOD OF INVESTIGATION ASTM D-1586 USING HOLLOW STEM AUGERS

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SHEET 1 OF 1

SJB SERVICES, INC.
SUBSURFACE LOG

HOLE NO. B-33
SURF. ELEV 592.9' ±
G.W. DEPTH See Notes

PROJECT: PROPOSED IMPROVEMENTS
PROJ. NO.: BE-13-192
LOCATION: WESTWOOD COUNTRY CLUB
AMHERST, NEW YORK

DEPTH FT.	SMPL NO.	BLOWS ON SAMPLER 0/6	6/12	12/18	N	SOIL OR ROCK CLASSIFICATION	NOTES
	1	3	1			TOPSOIL	
		1	1		2	Red-Brown and Black Clayey SILT, little f-c Sand (moist, FILL)	
	2	6	5				
		5	5		10	Brown Silty CLAY, tr.sand (moist, stiff, CL)	
5	3	2	4			Red-Brown f-c SAND, some-and Silt, tr.gravel	
		7	7		11	(moist-wet, firm, SM)	
	4	10	10			Red-Brown Clayey SILT, some-and f-c Sand, little f-c	
		12	13		22	Gravel (moist, v.stiff, ML)	
	5	11	13				
10		12	14		25		
	6	8	11			Contains little f-c Sand	
		12	15		23		
15							
	7	8	14				
		13	13		27		
	8	22	34				
20		38	27		72	Becomes Brown (hard)	
						Boring Complete at 20.0'	No free standing water encountered at boring completion.
25							
30							
35							

N = NO. BLOWS TO DRIVE 2-INCH SPOON 12-INCHES WITH A 140 LB. PIN WT. FALLING 30-INCHES PER BLOW

CLASSIFIED BY: Geologist

DRILLER: S. WOLKIEWICZ

DRILL RIG TYPE : CME-550X

METHOD OF INVESTIGATION ASTM D-1586 USING HOLLOW STEM AUGERS

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

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SHEET 1 OF 1

SJB SERVICES, INC.
SUBSURFACE LOG

HOLE NO. B-34
SURF. ELEV 593.4' ±
G.W. DEPTH See Notes

PROJECT: PROPOSED IMPROVEMENTS
PROJ. NO.: BE-13-192
LOCATION: WESTWOOD COUNTRY CLUB
AMHERST, NEW YORK

DEPTH FT.	SMPL NO.	BLOWS ON SAMPLER 0/6	6/12	12/18	N	SOIL OR ROCK CLASSIFICATION	NOTES
	1	1	3			TOPSOIL	Driller notes approx. 12" Topsoil
		4	4		7	Red-Brown and Black Silty CLAY, tr.sand (moist, FILL)	
	2	11	4			Brown Clayey SILT, tr.sand (moist, stiff, ML)	
		5	6		9		
5	3	6	8			Red-Brown Silty CLAY, tr.sand, occasional Silt	
		7	7		15	partings (moist, stiff, CL)	
	4	10	7			Red-Brown Clayey SILT, tr.-little f-c Sand, tr.gravel	
		8	12		15	(moist, stiff, ML)	
	5	10	12				
10		13	13		25	(v.stiff)	
	6	15	10				
		12	15		22		
15							
	7	11	12			Gray-Brown f-c SAND and Clayey Silt, little f-c Gravel	
		15	17		27	(moist, firm, SC-SM)	
20							
	8	7	7				
		15	18		22		
25							
	9	41	50/0.3		REF	Brown-Gray f-m SAND and Silt, tr.gravel	REF = Sample Spoon Refusal
						(moist, v.compact, SM)	
30							
	10	50/0.4			REF		
						Boring Complete with Sample Spoon Refusal and Auger Refusal at 31.4'	No free standing water encountered at boring completion.
35							

N = NO. BLOWS TO DRIVE 2-INCH SPOON 12-INCHES WITH A 140 LB. PIN WT. FALLING 30-INCHES PER BLOW

CLASSIFIED BY: Geologist

DRILLER: T. FARRELL

DRILL RIG TYPE : CME-550X

METHOD OF INVESTIGATION ASTM D-1586 USING HOLLOW STEM AUGERS

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

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SHEET 1 OF 1

SJB SERVICES, INC.
SUBSURFACE LOG

HOLE NO. B-35
SURF. ELEV 593.0' ±
G.W. DEPTH See Notes

PROJECT: PROPOSED IMPROVEMENTS
PROJ. NO.: BE-13-192
LOCATION: WESTWOOD COUNTRY CLUB
AMHERST, NEW YORK

DEPTH FT.	SMPL NO.	BLOWS ON SAMPLER 0/6	6/12	12/18	N	SOIL OR ROCK CLASSIFICATION	NOTES
	1	1	3			TOPSOIL	Driller notes approx. 7" Topsoil
		3	2		6	Orange-Brown and Gray Mottled Clayey SILT, tr.sand (moist, medium, ML)	
	2	3	3				
		4	5		7	Becomes Brown	
5	3	7	8			Red-Brown Silty CLAY, tr.sand (moist, v.stiff, CL)	
		11	11		19		
	4	10	10				
		9	11		19		
	5	6	10			Red-Brown Clayey SILT, little f-c Sand (moist, v.stiff, ML)	
10		11	13		21		
	6	7	12				
		14	16		26		
15	7	11	13			Contains some f-c Sand, little Gravel	
		15	15		28		
20	8	50/0.4			REF	Red-Brown f-m SAND and Silt, tr.gravel (moist, v.compact, SM)	No Recovery Sample #8
							REF = Sample Spoon Refusal
25	9	39	50/0.1		REF	Becomes Brown-Gray, contains tr.boulder fragments (v.compact)	
30	10	50/0.2			REF		
35						Boring Complete with Sample Spoon Refusal at 30.2' and Auger Refusal at 32.5'	No free standing water reading obtained at boring completion.
40							

N = NO. BLOWS TO DRIVE 2-INCH SPOON 12-INCHES WITH A 140 LB. PIN WT. FALLING 30-INCHES PER BLOW

CLASSIFIED BY: Geologist

DRILLER: T. FARRELL

DRILL RIG TYPE : CME-550X

METHOD OF INVESTIGATION ASTM D-1586 USING HOLLOW STEM AUGERS

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SHEET 1 OF 1

SJB SERVICES, INC.
SUBSURFACE LOG

HOLE NO. B-36
SURF. ELEV 593.3' ±
G.W. DEPTH See Notes

PROJECT: PROPOSED IMPROVEMENTS
PROJ. NO.: BE-13-192
LOCATION: WESTWOOD COUNTRY CLUB
AMHERST, NEW YORK

DEPTH FT.	SMPL NO.	BLOWS ON SAMPLER 0/6	6/12	12/18	N	SOIL OR ROCK CLASSIFICATION	NOTES
	1	2	3			TOPSOIL	Driller notes approx. 3" Topsoil
		3	3		6	Brown Silty CLAY, tr.sand, tr.organics (moist, FILL)	
	2	6	6			Red-Brown Silty CLAY, tr.sand (moist, stiff, CL)	
		7	8		13		
5	3	5	6				
		5	7		11		
	4	7	7				
		8	7		15		
	5	6	5			Red-Brown Clayey SILT, tr.-little f-c Sand	
10		8	12		13	(moist, stiff, ML)	
	6	12	15			(hard)	
		17	19		32		
15							
	7	15	17			Becomes Brown	
		21	18		38		
20							
	8	5	5			Brown-Gray f-m SAND, some-and Silt, tr.gravel	
		7	31		12	(moist, firm, SM)	
25							
	9	18	21			(compact)	
		27	41		48		REF = Sample Spoon Refusal
30							
	10	50/0.4			REF	Brown-Gray SHALE Rock fragements (wet)	
						Boring Complete with Sample Spoon Refusal at 30.4' and Auger Refusal at 31.0'	Free standing water recorded at 28.0' at boring completion.
35							

N = NO. BLOWS TO DRIVE 2-INCH SPOON 12-INCHES WITH A 140 LB. PIN WT. FALLING 30-INCHES PER BLOW

CLASSIFIED BY: Geologist

DRILLER: S. WOLKEWICZ

DRILL RIG TYPE : CME-550X

METHOD OF INVESTIGATION ASTM D-1586 USING HOLLOW STEM AUGERS

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

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SJB SERVICES, INC.
SUBSURFACE LOG

HOLE NO. B-37
SURF. ELEV 592.1' ±
G.W. DEPTH See Notes

PROJECT: PROPOSED IMPROVEMENTS
PROJ. NO.: BE-13-192
LOCATION: WESTWOOD COUNTRY CLUB
AMHERST, NEW YORK

DEPTH FT.	SMPL NO.	BLOWS ON SAMPLER 0/6	6/12	12/18	N	SOIL OR ROCK CLASSIFICATION	NOTES
	1	2	2			TOPSOIL	Driller notes approx. 8" Topsoil
		3	4		5	Brown-Black Silty CLAY, tr.sand (moist, FILL)	
	2	4	4				
		5	6		9		
5	3	3	6			Red-Brown Silty CLAY, tr.sand, occasional Silt	
		8	12		14	partings (moist, stiff, CL)	
	4	10	12			Red-Brown Clayey SILT, tr.sand (moist, v.stiff, ML)	
		15	17		27		
	5	9	14			Contains some f-c Sand (hard)	
10		17	18		31		
	6	10	13			(v.stiff)	
		15	14		28		
15	7	29	50/0.4		REF	Gray-Brown f-m SAND and Silt, tr.gravel, tr.boulder fragments (moist, v.compact, SM)	REF = Sample Spoon Refusal
20	8	50/0.4			REF		No Recovery Sample #9
	9	50/0.0			REF		
25						Boring Complete with Sample Spoon and Auger Refusal at 22.5'	Free standing water recorded at 20.0' at boring completion.
30							
35							

N = NO. BLOWS TO DRIVE 2-INCH SPOON 12-INCHES WITH A 140 LB. PIN WT. FALLING 30-INCHES PER BLOW

CLASSIFIED BY: Geologist

DRILLER: A. JAKUBCZAK

DRILL RIG TYPE : CME-550X

METHOD OF INVESTIGATION ASTM D-1586 USING HOLLOW STEM AUGERS

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

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SJB SERVICES, INC.
SUBSURFACE LOG

HOLE NO. B-38
SURF. ELEV 592.4' ±
G.W. DEPTH See Notes

PROJECT: PROPOSED IMPROVEMENTS
PROJ. NO.: BE-13-192
LOCATION: WESTWOOD COUNTRY CLUB
AMHERST, NEW YORK

DEPTH FT.	SMPL NO.	BLOWS ON SAMPLER 0/6	6/12	12/18	N	SOIL OR ROCK CLASSIFICATION	NOTES
	1	3	3			Black-Brown Clayey SILT, little f-c Sand, tr.gravel	
		3	3		6	(moist, FILL)	
	2	2	4			Brown Silty CLAY, tr.sand (moist, stiff, CL)	
		5	5		9		
5	3	3	5			(moist-wet)	
		8	12		13		
	4	13	14			(v.stiff)	
		13	15		27		
	5	17	14				
10		7	10		21		
	6	2	4				
		6	7		10		
15							
	7	5	17			Brown-Gray Clayey SILT, some f-c Sand, tr.gravel	
		26	24		43	(moist, hard, ML)	
20							
	8	8	17			Brown-Gray f-c SAND, some-and Silt, tr.gravel	
		21	19		38	(moist, compact, SM)	
25						Boring Complete with Auger Refusal at 24.0'	No free standing water encountered at boring completion.
30							
35							

N = NO. BLOWS TO DRIVE 2-INCH SPOON 12-INCHES WITH A 140 LB. PIN WT. FALLING 30-INCHES PER BLOW

CLASSIFIED BY: Geologist

DRILLER: A. JAKUBCZAK

DRILL RIG TYPE : CME-550X

METHOD OF INVESTIGATION ASTM D-1586 USING HOLLOW STEM AUGERS

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

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SHEET 1 OF 1

SJB SERVICES, INC.
SUBSURFACE LOG

HOLE NO. B-39
SURF. ELEV 592.0' ±
G.W. DEPTH See Notes

PROJECT: PROPOSED IMPROVEMENTS
PROJ. NO.: BE-13-192
LOCATION: WESTWOOD COUNTRY CLUB
AMHERST, NEW YORK

DEPTH FT.	SMPL NO.	BLOWS ON SAMPLER 0/6	6/12	12/18	N	SOIL OR ROCK CLASSIFICATION	NOTES
	1	3	3			TOPSOIL	Driller notes approx. 4" Topsoil
		2	3		5	Brown-Black Silty CLAY, tr.sand, tr.organics (moist, FILL)	
	2	7	9			Brown Silty CLAY, tr.sand (moist, v.stiff, CL)	
		10	10		19		
5	3	6	7				
		10	8		17	Becomes Red-Brown	
	4	4	7				
		8	9		15	(stiff)	
	5	10	9			Contains occasional Silt seams (v.stiff)	
10		8	9		17		
	6	4	5			Red-Brown f-c SAND and Silt, tr.gravel (moist-wet, loose, SM)	
		5	9		10		
							REF = Sample Spoon Refusal
15							
	7	21	38			Brown-Gray f-m SAND and Silt, tr.gravel, tr.boulder fragments (moist, v.compact, SM)	
		41	49		79		
	8	50/0.1			REF		
20						Boring Complete at 18.1'	No free standing water encountered at boring completion.
25							
30							
35							

N = NO. BLOWS TO DRIVE 2-INCH SPOON 12-INCHES WITH A 140 LB. PIN WT. FALLING 30-INCHES PER BLOW

CLASSIFIED BY: Geologist

DRILLER: S. WOLKIEWICZ

DRILL RIG TYPE : CME-550SE

METHOD OF INVESTIGATION ASTM D-1586 USING HOLLOW STEM AUGERS

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

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START 1/29/2014
FINISH 1/29/2014
SHEET 1 OF 1

SJB SERVICES, INC.
SUBSURFACE LOG

HOLE NO. B-40
SURF. ELEV 588.9' ±
G.W. DEPTH See Notes

PROJECT: PROPOSED IMPROVEMENTS
PROJ. NO.: BE-13-192
LOCATION: WESTWOOD COUNTRY CLUB
AMHERST, NEW YORK

DEPTH FT.	SMPL NO.	BLOWS ON SAMPLER 0/6	6/12	12/18	N	SOIL OR ROCK CLASSIFICATION	NOTES
	1	2	3			TOPSOIL	
		2	2		5	Black Organic Silty CLAY, tr.sand (moist, FILL)	
	2	3	3			Becomes Red-Brown	
		6	7		9		
5	3	4	7				No Recovery Sample #3
		10	11		17		
	4	8	8			Red-Brown Silty CLAY, tr.-little f-c Sand	
		7	10		15	(moist, stiff, CL)	
	5	17	15			(hard)	
10		16	18		31		
	6	15	18			Red-Brown f-m SAND and Silt, tr.gravel	
		21	19		39	(moist, compact, SM)	
15							
	7	18	21			Becomes Brown-Gray	
		27	33		48		
20							
	8	22	23			(v.compact)	
		35	50/0.4		58		
						Boring Complete with Sample Spoon Refusal at 21.9' and Auger Refusal at 22.0'	Free standing water recorded at 19.0' at boring completion.
25							
30							
35							

N = NO. BLOWS TO DRIVE 2-INCH SPOON 12-INCHES WITH A 140 LB. PIN WT. FALLING 30-INCHES PER BLOW

CLASSIFIED BY: Geologist

DRILLER: S. WOLKIEWICZ

DRILL RIG TYPE : CME-550X

METHOD OF INVESTIGATION ASTM D-1586 USING HOLLOW STEM AUGERS

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

DATE
START 1/28/2014
FINISH 1/28/2014
SHEET 1 OF 1

SJB SERVICES, INC.
SUBSURFACE LOG

HOLE NO. B-41
SURF. ELEV 590.3' ±
G.W. DEPTH See Notes

PROJECT: PROPOSED IMPROVEMENTS
PROJ. NO.: BE-13-192
LOCATION: WESTWOOD COUNTRY CLUB
AMHERST, NEW YORK

DEPTH FT.	SMPL NO.	BLOWS ON SAMPLER 0/6	6/12	12/18	N	SOIL OR ROCK CLASSIFICATION	NOTES
	1	4	5			TOPSOIL	Driller notes approx. 3" Topsoil
		7	10		12	Brown Silty CLAY, tr.sand, tr.organics (moist, FILL)	
	2	5	4			Brown Silty CLAY, tr.sand (moist, stiff, CL)	
		5	4		9		
5	3	5	5			Contains occasional Silt partings	
		7	6		12		
	4	14	9			(v.stiff)	
		7	8		16		
	5	4	5			(moist-wet, stiff)	
10		5	7		10		
	6	3	4			Contains little f-c Sand, tr.gravel	
		5	8		9		
15							
	7	17	31			Brown-Gray f-m SAND, some-and Silt, tr.gravel (moist, v.compact, SM)	
		47	50/0.3		78		
	8	18	28				
20		35	44		63		
						Boring Complete at 20.0'	No free standing water encountered at boring completion.
25							
30							
35							

N = NO. BLOWS TO DRIVE 2-INCH SPOON 12-INCHES WITH A 140 LB. PIN WT. FALLING 30-INCHES PER BLOW

CLASSIFIED BY: Geologist

DRILLER: S. WOLKIEWICZ

DRILL RIG TYPE : CME-550X

METHOD OF INVESTIGATION ASTM D-1586 USING HOLLOW STEM AUGERS

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

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START 12/17/2013
FINISH 12/17/2013
SHEET 1 OF 1

SJB SERVICES, INC.
SUBSURFACE LOG

HOLE NO. B-42
SURF. ELEV 601.1' ±
G.W. DEPTH See Notes

PROJECT: PROPOSED IMPROVEMENTS
PROJ. NO.: BE-13-192
LOCATION: WESTWOOD COUNTRY CLUB
AMHERST, NEW YORK

DEPTH FT.	SMPL NO.	BLOWS ON SAMPLER 0/6	6/12	12/18	N	SOIL OR ROCK CLASSIFICATION	NOTES
	1	1	1			TOPSOIL	Driller notes approx. 13" Topsoil
		3	3		4	Black Clayey SILT, little Fine Sand (moist, FILL)	
	2	5	6			Brown Silty CLAY, tr.sand (moist, stiff, CL)	
		7	9		13		
5	3	9	8			(v.stiff)	
		8	10		16		
	4	12	8				No Recovery Sample #4
		9	9		17		
	5	8	11			(moist-wet)	
10		12	13		23		
	6	10	10				
		12	12		22		
15							
	7	9	9			Becomes Red-Brown, contains little f-c Sand	
		10	10		19		
20							
	8	8	9				
		8	12		17		
						Boring Complete at 22.0'	No free standing water encountered at boring completion.
25							
30							
35							

N = NO. BLOWS TO DRIVE 2-INCH SPOON 12-INCHES WITH A 140 LB. PIN WT. FALLING 30-INCHES PER BLOW

CLASSIFIED BY: Geologist

DRILLER: T. FARRELL

DRILL RIG TYPE : CME-550X

METHOD OF INVESTIGATION ASTM D-1586 USING HOLLOW STEM AUGERS

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

DATE
START 1/30/2014
FINISH 1/31/2014
SHEET 1 OF 1

SJB SERVICES, INC.
SUBSURFACE LOG

HOLE NO. B-43
SURF. ELEV 593.2' ±
G.W. DEPTH See Notes

PROJECT: PROPOSED IMPROVEMENTS
PROJ. NO.: BE-13-192
LOCATION: WESTWOOD COUNTRY CLUB
AMHERST, NEW YORK

DEPTH FT.	SMPL NO.	BLOWS ON SAMPLER 0/6	6/12	12/18	N	SOIL OR ROCK CLASSIFICATION	NOTES
	1	2	4			TOPSOIL	Driller notes approx. 6" Topsoil
		5	6		9	Black Organic Clayey SILT, little f-c Sand (moist, FILL)	
	2	4	6			Brown Silty CLAY, tr.sand (moist, stiff, CL)	
		7	7		13		
5	3	5	8			Becomes Red-Brown (v.stiff)	
		10	12		18		
	4	6	6			(stiff)	
		9	14		15		
	5	2	6			Red-Brown Clayey SILT, little-some f-c Sand, tr.-little f-c Gravel (moist, stiff, ML)	
10		7	11		13		
	6	5	5				
		8	9		13		
15							
	7	6	27			Becomes Brown-Gray (hard)	
		48	50		75		
20							
	8	8	13			Contains little f-c Sand (v.stiff)	
		12	15		25		
25							
	9	10	12				
		16	17		28		Free standing water recorded at 20.0' prior to coring. NQ '2' Size Rock Core
30							
						Gray SHALE Rock, medium hard, sound, thinly bedded to bedded, grades predominantly gypsum at approximately 34.0'	RUN #1: 30.0' - 35.0' REC = 60% RQD = 40%
35							
						Boring Complete at 35.0'	Free standing water recorded at 10.0' after coring.

N = NO. BLOWS TO DRIVE 2-INCH SPOON 12-INCHES WITH A 140 LB. PIN WT. FALLING 30-INCHES PER BLOW

CLASSIFIED BY: Geologist

DRILLER: A. JAKUBCZAK

DRILL RIG TYPE : CME-550X

METHOD OF INVESTIGATION ASTM D-1586 USING HOLLOW STEM AUGERS

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

DATE
START 1/16/2014
FINISH 1/16/2014
SHEET 1 OF 1

SJB SERVICES, INC.
SUBSURFACE LOG

HOLE NO. B-44
SURF. ELEV 592.7' ±
G.W. DEPTH See Notes

PROJECT: PROPOSED IMPROVEMENTS
PROJ. NO.: BE-13-192
LOCATION: WESTWOOD COUNTRY CLUB
AMHERST, NEW YORK

DEPTH FT.	SMPL NO.	BLOWS ON SAMPLER 0/6	6/12	12/18	N	SOIL OR ROCK CLASSIFICATION	NOTES
	1	3	3			TOPSOIL	Driller notes approx. 6" Topsoil
		4	7		7	Red-Brown and Black Silty CLAY, tr.sand (moist, FILL)	
	2	7	8			Red-Brown Clayey SILT, tr.sand, occasional Fine Sand lenses (moist, stiff, ML)	
		4	10		12		
5	3	5	8			Red-Brown Silty CLAY, tr.sand (moist, v.stiff, CL-CH)	
		10	12		18		
	4	11	14				
		17	8		31	Contains occasional Silt seams (hard)	
	5	11	10			(v.stiff)	
10		8	10		18		
	6	20	14				Poor Recovery Sample #6
		15	17		29		
15							
	7	18	40			Brown-Gray f-m SAND, some Silt, tr.gravel, tr.boulder fragments (moist, v.compact, SM)	REF = Sample Spoon Refusal
		39	42		79		
	8	44	50/0.2		REF		
20						Boring Complete with Sample Spoon Refusal at 18.7'	No free standing water encountered at boring completion.
25							
30							
35							

N = NO. BLOWS TO DRIVE 2-INCH SPOON 12-INCHES WITH A 140 LB. PIN WT. FALLING 30-INCHES PER BLOW

CLASSIFIED BY: Geologist

DRILLER: S. WOLKIEWICZ

DRILL RIG TYPE : CME-550SE

METHOD OF INVESTIGATION ASTM D-1586 USING HOLLOW STEM AUGERS

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

DATE
START 2/4/2014
FINISH 2/4/2014
SHEET 1 OF 1

SJB SERVICES, INC.
SUBSURFACE LOG

HOLE NO. B-45
SURF. ELEV 591.9' ±
G.W. DEPTH See Notes

PROJECT: PROPOSED IMPROVEMENTS
PROJ. NO.: BE-13-192
LOCATION: WESTWOOD COUNTRY CLUB
AMHERST, NEW YORK

DEPTH FT.	SMPL NO.	BLOWS ON SAMPLER 0/6	6/12	12/18	N	SOIL OR ROCK CLASSIFICATION	NOTES
	1	3	3			TOPSOIL	Driller notes approx. 7" Topsoil
		5	5		8	Brown-Black Silty CLAY, tr.sand, tr.organics (moist, FILL)	
	2	4	5				
		6	9		11	Red-Brown Silty CLAY, tr.sand (moist, stiff, CL)	
5	3	3	6				
		9	10		15		
	4	5	8			(v.stiff)	
		12	15		20		
	5	3	4			(wet, medium)	
10		4	3		8		
	6	3	3				
		4	5		7		
15							
	7	4	4				
		4	5		8		
20							REF = Sample Spoon Refusal
	8	50/0.4			REF	Gray f-m SAND, some-and Silt, tr.gravel (moist, SM)	
25	9	50/0.0			REF		NQ '2' Size Rock Core
						Gray SHALE Rock, medium hard, sound, thinly bedded to bedded, occasionally gypsum seams.	RUN #1: 24.5' - 29.5' REC = Approx. 50% RQD = Approx. 20%
30						Boring Complete at 29.5'	Free standing water recorded at 15.0' prior to coring. Free standing water recorded at 10.0' after coring.
35							

N = NO. BLOWS TO DRIVE 2-INCH SPOON 12-INCHES WITH A 140 LB. PIN WT. FALLING 30-INCHES PER BLOW

CLASSIFIED BY: Geologist

DRILLER: A. JAKUBCZAK

DRILL RIG TYPE : CME-550X

METHOD OF INVESTIGATION ASTM D-1586 USING HOLLOW STEM AUGERS

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

DATE
START 1/28/2014
FINISH 1/28/2014
SHEET 1 OF 1

SJB SERVICES, INC.
SUBSURFACE LOG

HOLE NO. B-46
SURF. ELEV 591.6' ±
G.W. DEPTH See Notes

PROJECT: PROPOSED IMPROVEMENTS
PROJ. NO.: BE-13-192
LOCATION: WESTWOOD COUNTRY CLUB
AMHERST, NEW YORK

DEPTH FT.	SMPL NO.	BLOWS ON SAMPLER 0/6	6/12	12/18	N	SOIL OR ROCK CLASSIFICATION	NOTES
	1	4	4			TOPSOIL	
		4	4		8	Black Organic Silty CLAY, tr.sand (moist, FILL)	
	2	4	6			Red-Brown Silty CLAY, tr.sand (moist, stiff, CL-CH)	
		7	8		13		
5	3	7	7				
		6	7		13		
	4	11	10			(v.stiff)	
		12	13		22		
	5	11	13			Contains tr.gravel	
10		12	11		25		
	6	2	4			(moist-wet, medium)	
		4	4		8		
15							
	7	10	20			Red-Brown f-m SAND and Silt, tr.gravel	
		38	33		58	(moist, v.compact, SM)	
	8	21	33				
20		42	44		75		
						Boring Complete at 20.0'	No free standing water encountered at boring completion.
25							
30							
35							

N = NO. BLOWS TO DRIVE 2-INCH SPOON 12-INCHES WITH A 140 LB. PIN WT. FALLING 30-INCHES PER BLOW

CLASSIFIED BY: Geologist

DRILLER: S. WOLKIEWICZ
DRILL RIG TYPE : CME-550X

METHOD OF INVESTIGATION ASTM D-1586 USING HOLLOW STEM AUGERS

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

DATE
START 1/31/2014
FINISH 2/3/2014
SHEET 1 OF 1

SJB SERVICES, INC.
SUBSURFACE LOG

HOLE NO. B-47
SURF. ELEV 594.9' ±
G.W. DEPTH See Notes

PROJECT: PROPOSED IMPROVEMENTS
PROJ. NO.: BE-13-192
LOCATION: WESTWOOD COUNTRY CLUB
AMHERST, NEW YORK

DEPTH FT.	SMPL NO.	BLOWS ON SAMPLER 0/6	6/12	12/18	N	SOIL OR ROCK CLASSIFICATION	NOTES
	1	4	5			TOPSOIL	Driller notes approx. 6" Topsoil
		6	6		11	Red-Brown Silty CLAY, tr.sand, tr.organics (moist, FILL)	
	2	3	7			Red-Brown Silty CLAY, tr.sand (moist, stiff, CL)	
		8	10		15		
5	3	5	5			Red-Brown Clayey SILT, little f-c Sand, tr.gravel	
		9	12		14	(moist, stiff, ML)	
	4	4	8			(v.stiff)	
		10	14		18		
	5	6	10			Red-Brown Silty CLAY, tr.-little f-c Sand, tr.gravel	
10		20	23		30	(moist, v.stiff, CL)	
	6	8	15			Red-Brown Clayey SILT, tr.-little f-c Sand	
		25	29		40	(moist, hard, ML)	
15							
	7	15	19				
		31	25		50		
20							
	8	12	21				
		26	29		47		
25							
	9	17	22			Contains some f-c Sand	
		24	24		46		REF = Sample Spoon Refusal
30							
	10	12	42	50/0.3	REF	Gray f-c SAND, some Silt, tr.gravel, tr.shale (moist, v.compact, SM)	Free standing water recorded at 20.0' prior to coring.
35						Gray SHALE Rock, medium hard, sound, thinly bedded to bedded, grade to predominantly gypsum at approximately 36.5'	RUN #1: 34.0' - 39.0' REC = 100% RQD = 64%
						Boring Complete at 39.0'	

N = NO. BLOWS TO DRIVE 2-INCH SPOON 12-INCHES WITH A 140 LB. PIN WT. FALLING 30-INCHES PER BLOW

CLASSIFIED BY: Geologist

DRILLER: A. JAKUBCZAK

DRILL RIG TYPE : CME-550X

METHOD OF INVESTIGATION ASTM D-1586 USING HOLLOW STEM AUGERS

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

DATE
START 2/3/2014
FINISH 2/3/2014
SHEET 1 OF 1

SJB SERVICES, INC.
SUBSURFACE LOG

HOLE NO. B-48
SURF. ELEV 595.8' ±
G.W. DEPTH See Notes

PROJECT: PROPOSED IMPROVEMENTS
PROJ. NO.: BE-13-192
LOCATION: WESTWOOD COUNTRY CLUB
AMHERST, NEW YORK

DEPTH FT.	SMPL NO.	BLOWS ON SAMPLER 0/6	6/12	12/18	N	SOIL OR ROCK CLASSIFICATION	NOTES
	1	1	2			TOPSOIL	Driller notes approx. 3" Topsoil
		5	5		7	Brown Silty CLAY, tr.sand, tr.organics (moist, FILL)	
	2	3	4			Brown Silty CLAY, tr.sand (moist, stiff, CL)	
		5	6		9		
5	3	4	13			Becomes Red-Brown, contains occasional Silt partings	
		16	17		29	(v.stiff)	
	4	6	10			Red-Brown Silty CLAY, little f-c Sand, tr.gravel	
		18	18		28	(moist, v.stiff, CL)	
	5	3	13				
10		24	26		37		
	6	5	15			(hard)	
		27	30		42		
15							
	7	7	18			Becomes Brown-Gray	
		26	28		44		
20							
	8	6	11				
		28	30		39		
25							
	9	4	10			Contains little-some f-c Sand (v.stiff)	
		19	25		29		REF = Sample Spoon Refusal
30						Brown-Gray f-c SAND and Silt, tr.gravel, tr.shale	
	10	16	50/0.4		REF	(moist, SM)	
						Boring Complete with Sample Spoon Refusal at 30.9' and Auger Refusal at 31.0'	No free standing water encountered at boring completion. 2" PVC groundwater observation well installed at boring completion. Refer to installation log for details.
35							

N = NO. BLOWS TO DRIVE 2-INCH SPOON 12-INCHES WITH A 140 LB. PIN WT. FALLING 30-INCHES PER BLOW

CLASSIFIED BY: Geologist

DRILLER: A. JAKUBCZAK

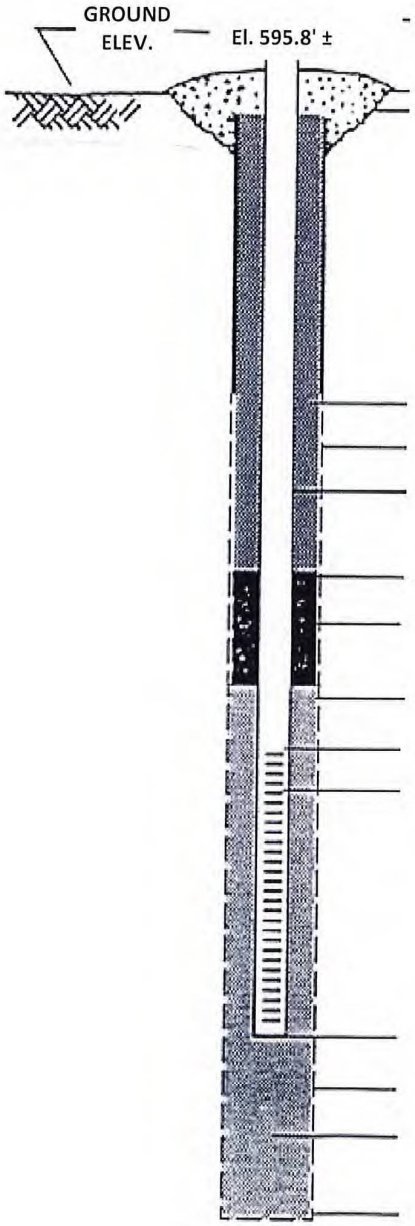
DRILL RIG TYPE : CME-550X

METHOD OF INVESTIGATION ASTM D-1586 USING HOLLOW STEM AUGERS

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

MONITORING WELL COMPLETION RECORD

WELL NUMBER: B-48	
PROJECT NAME: WESTWOOD CC	**DRILLING METHOD: ASTM D1586 USING HSA**
PROJECT NUMBER: BE-13-192	**GEOLOGIST: N/A**
DRILLER: A. JAKUBCZAK	**INSTALLATION DATE(S): 2/3/2014**



RISER STICK-UP:	**0.9' El. 596.7' ±**
TYPE OF SURFACE SEAL:	**NONE**
TYPE OF BACKFILL:	**AUGER CUTTINGS**
BOREHOLE DIAMETER:	**+/- 8"**
I.D. OF RISER PIPE:	**2.0"**
TYPE OF RISER PIPE:	**PVC**
DEPTH OF SEAL:	**22.0' El. 573.8' ±**
TYPE OF SEAL:	**BENTONITE CHIPS**
DEPTH OF SAND PACK:	**24.0' El. 571.8' ±**
DEPTH OF TOP OF SCREEN:	**25.0' El. 570.8' ±**
TYPE OF SCREEN:	**PVC**
SLOT SIZE X LENGTH:	**.010 X 5.0'**
I.D. OF SCREEN:	**2.0"**
TYPE OF SAND PACK:	**MORIE "O" FILTER SAND**
DEPTH BOTTOM OF SCREEN:	**30.0' El. 565.8' ±**
DEPTH BOTTOM OF SAND PACK:	**30.0' El. 565.8' ±**
TYPE OF BACKFILL BELOW OBSERVATION WELL:	**NATIVE SOILS**
ELEVATION/ AUGERED DEPTH:	**31.0' El. 564.8' ±**

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

DATE
START 2/4/2014
FINISH 2/4/2014
SHEET 1 OF 1

SJB SERVICES, INC.
SUBSURFACE LOG

HOLE NO. B-49
SURF. ELEV 593.5' ±
G.W. DEPTH See Notes

PROJECT: PROPOSED IMPROVEMENTS
PROJ. NO.: BE-13-192
LOCATION: WESTWOOD COUNTRY CLUB
AMHERST, NEW YORK

DEPTH FT.	SMPL NO.	BLOWS ON SAMPLER 0/6	6/12	12/18	N	SOIL OR ROCK CLASSIFICATION	NOTES
	1	2	3			TOPSOIL	Driller notes approx. 5" Topsoil
		4	4		7	Black Organic Clayey SILT, tr.-little f-c Sand (moist-wet, FILL)	
	2	3	5				
		5	7		10	Brown-Black Silty CLAY, tr.sand (moist, FILL)	
5	3	5	9			Red-Brown Clayey SILT, tr.sand (moist, v.stiff, ML)	
		10	13		19		
	4	4	12				
		14	16		26		
	5	6	9			Becomes Brown-Gray	
10		16	17		25		
	6	5	14			Contains tr.gravel (hard)	
		18	21		32		
15							
	7	8	12				
		20	27		32		
	8	10	16				
20		28	31		44		
						Boring Complete at 20.0'	No free standing water encountered at boring completion.
25							
30							
35							

N = NO. BLOWS TO DRIVE 2-INCH SPOON 12-INCHES WITH A 140 LB. PIN WT. FALLING 30-INCHES PER BLOW

CLASSIFIED BY: Geologist

DRILLER: A. JAKUBCZAK

DRILL RIG TYPE : CME-550X

METHOD OF INVESTIGATION ASTM D-1586 USING HOLLOW STEM AUGERS

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

APPENDIX B

LABORATORY TEST DATA

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Western New York Office
5167 South Park Avenue
Hamburg, NY 14075
Phone: (716) 649-8110
Fax: (716) 649-8051

Laboratory Test Report

PROJECT: Proposed Westwood Country Club Development Project

CLIENT: Mensch Capital Partners, LLC.

DATE: January 29, 2014

PROJECT NO.: BE-13-192
REPORT NO.: LTR-1

Attached are the results of laboratory testing conducted on various samples from the above referenced project. Mr. John Danzer, representing Empire –Geo Services, Inc, chose samples contained in this report.

The testing conducted was as follows:

ASTM D-2216: Laboratory Determination of Water (Moisture) Content of Soil & Rock

ASTM D-4318: Liquid Limit, Plastic Limit, and Plasticity Index of Soil

ASTM D-427: Shrinkage Factors of Soils by the Mercury Method

ASTM C-136: Sieve Analysis of Fine and Coarse Aggregates

Samples were received at the SJB Services, Inc. laboratory on January 21, 2014 where they were processed for testing.

If the reviewer should have any questions concerning this report, please do not hesitate to contact our office at any time.

SJB Services, Inc.

Paul Gregoreczyk
Laboratory Manager

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Western New York Office
5167 South Park Avenue
Hamburg, NY 14075
Phone: (716) 649-8110
Fax: (716) 649-8051

Laboratory Test Report

PROJECT: Proposed Westwood Country Club Development Project

CLIENT: Mensch Capital Partners, LLC.

DATE: January 29, 2014

PROJECT NO.: BE-13-192
REPORT NO.: LTR-1

SAMPLE NUMBER: 14-033
SAMPLE LOCATION: B-1, S-3: 4' – 6'

ASTM D-2216: Laboratory Determination of Water (Moisture) Content of Soil & Rock
ASTM D-4318: Liquid Limit, Plastic Limit, and Plasticity Index of Soil

Moisture Content	Liquid Limit	Plastic Limit	Plasticity Index
14.6 %	20	12	8

ASTM D-427: Shrinkage Factors of Soils by the Mercury Method

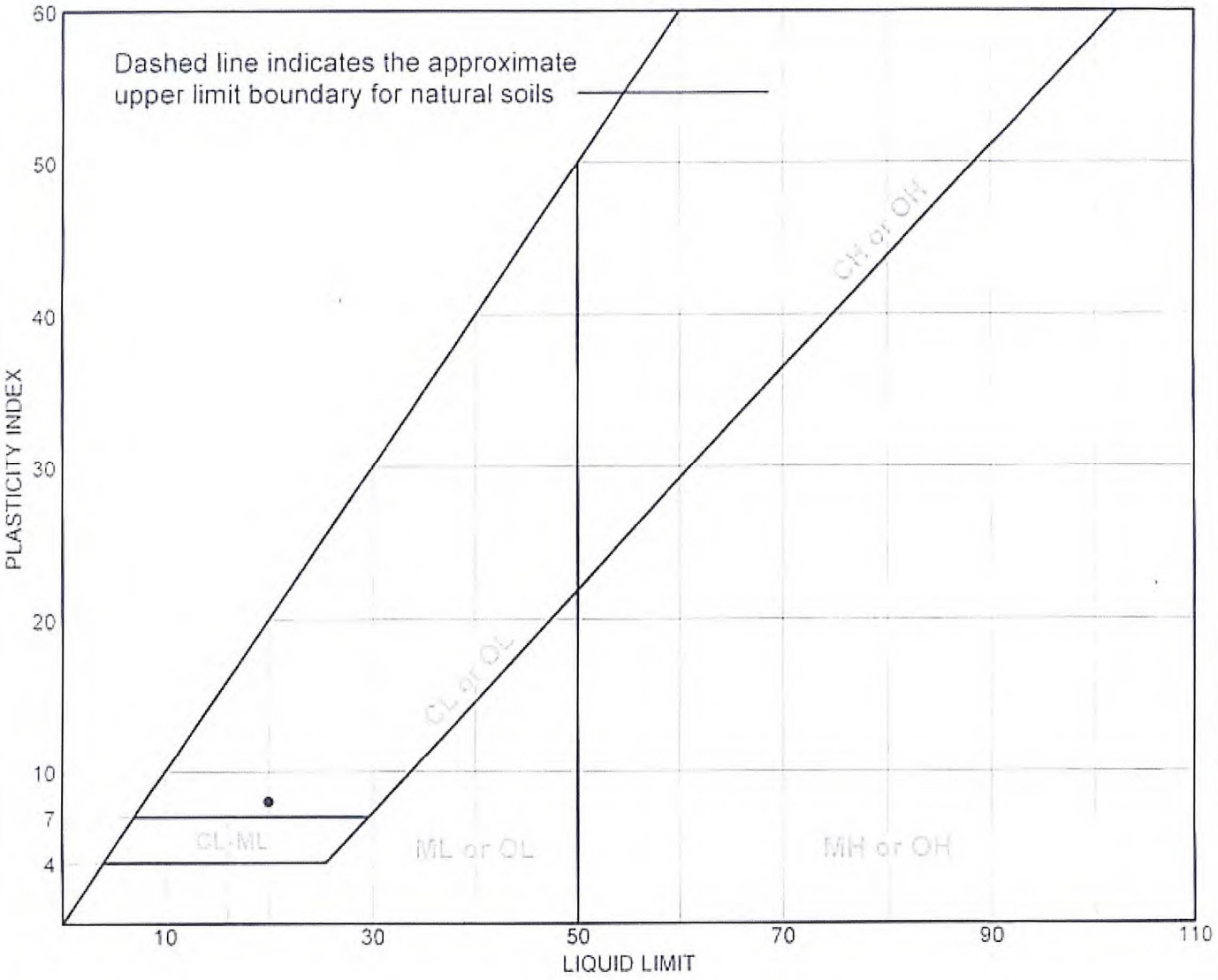
Value of Initial Water Content = 27.7 %
Value of Shrinkage Limit = 12
Value of Shrinkage Ratio = 2.02

ASTM C-136: Sieve Analysis of Fine and Coarse Aggregates

Sieve Size	*Percent Passing*
¾"	100.0
½"	98.4
⅜"	97.6
¼"	95.8
#4	94.8
#10	91.9
#20	88.6
#40	85.2
#100	76.8
#200	57.8

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

SJB SERVICES, INC. LIQUID AND PLASTIC LIMITS TEST REPORT



SOIL DATA

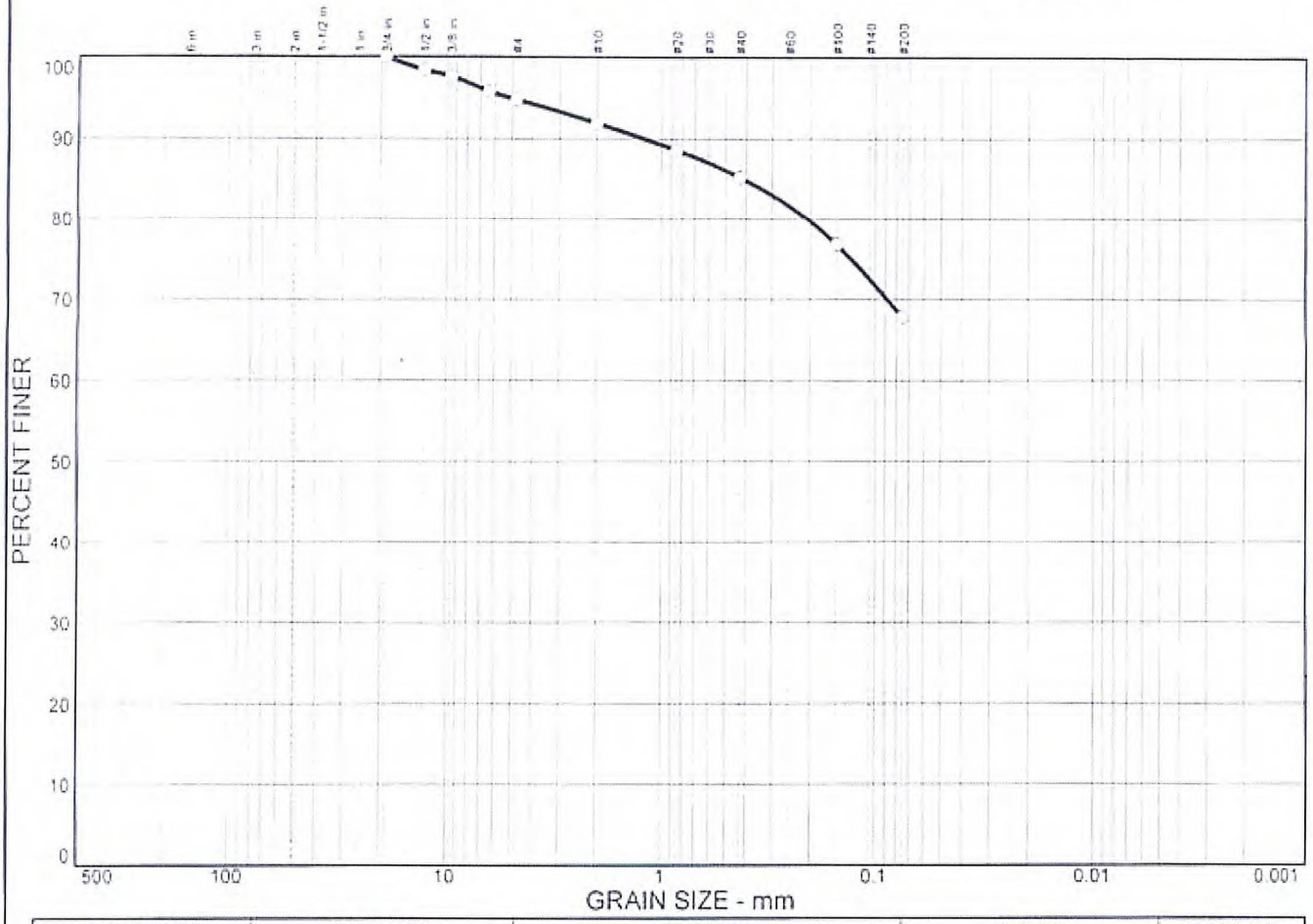
SYMBOL	SOURCE	SAMPLE NO.	DEPTH (ft.)	NATURAL WATER CONTENT (%)	PLASTIC LIMIT (%)	LIQUID LIMIT (%)	PLASTICITY INDEX (%)	USCS
•	B-1	S-3	4' - 6'	14.6 %	12	20	8	

SJB SERVICES, INC.

Client: MENSCH CAPITAL PARTNERS, LLC
Project: WESTWOOD COUNTRY CLUB DEVELOPMENT PROJECT
Project No.: BE-13-192

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

ASTM C-136: Particle Size Distribution Report



% COBBLES	% GRAVEL	% SAND	% SILT	% CLAY
0.0	5.2	27.0	67.8	

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
.75 in.	100.0		
.5 in.	98.4		
.375 in.	97.6		
.25 in.	95.8		
#4	94.8		
#10	91.9		
#20	88.6		
#40	85.2		
#100	76.8		
#200	67.8		

* (no specification provided)

Soil Description

B-1, S-3: 4' - 6'

Atterberg Limits

PL= 12 LL= 20 PI= 8

Coefficients

D_{85}= 0.411 D_{60}= D_{50}=
D_{30}= D_{15}= D_{10}=
C_u= C_c=

Classification

USCS= AASHTO=

Remarks

SAMPLE NUMBER: 14-033

Sample No.: S-3 Source of Sample: B-1 Date: 1-29-14
Location: B-1, S-3: 4' - 6' Elev./Depth: 4' - 6'

SJB SERVICES, INC.

Client: MENSCH CAPITAL PARTNERS, LLC
Project: WESTWOOD COUNTRY CLUB DEVELOPMENT PROJECT
Project No: BE-13-192

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Western New York Office
5167 South Park Avenue
Hamburg, NY 14075
Phone: (716) 649-8110
Fax: (716) 649-8051

Laboratory Test Report

PROJECT: Proposed Westwood Country Club Development Project

CLIENT: Mensch Capital Partners, LLC.

DATE: January 29, 2014

PROJECT NO.: BE-13-192
REPORT NO.: LTR-1

SAMPLE NUMBER: 14-034
SAMPLE LOCATION: B-3, S-4: 6' – 8'

ASTM D-2216: Laboratory Determination of Water (Moisture) Content of Soil &Rock
ASTM D-4318: Liquid Limit, Plastic Limit, and Plasticity Index of Soil

Moisture Content	Liquid Limit	Plastic Limit	Plasticity Index
14.8 %	24	13	11

ASTM D-427: Shrinkage Factors of Soils by the Mercury Method

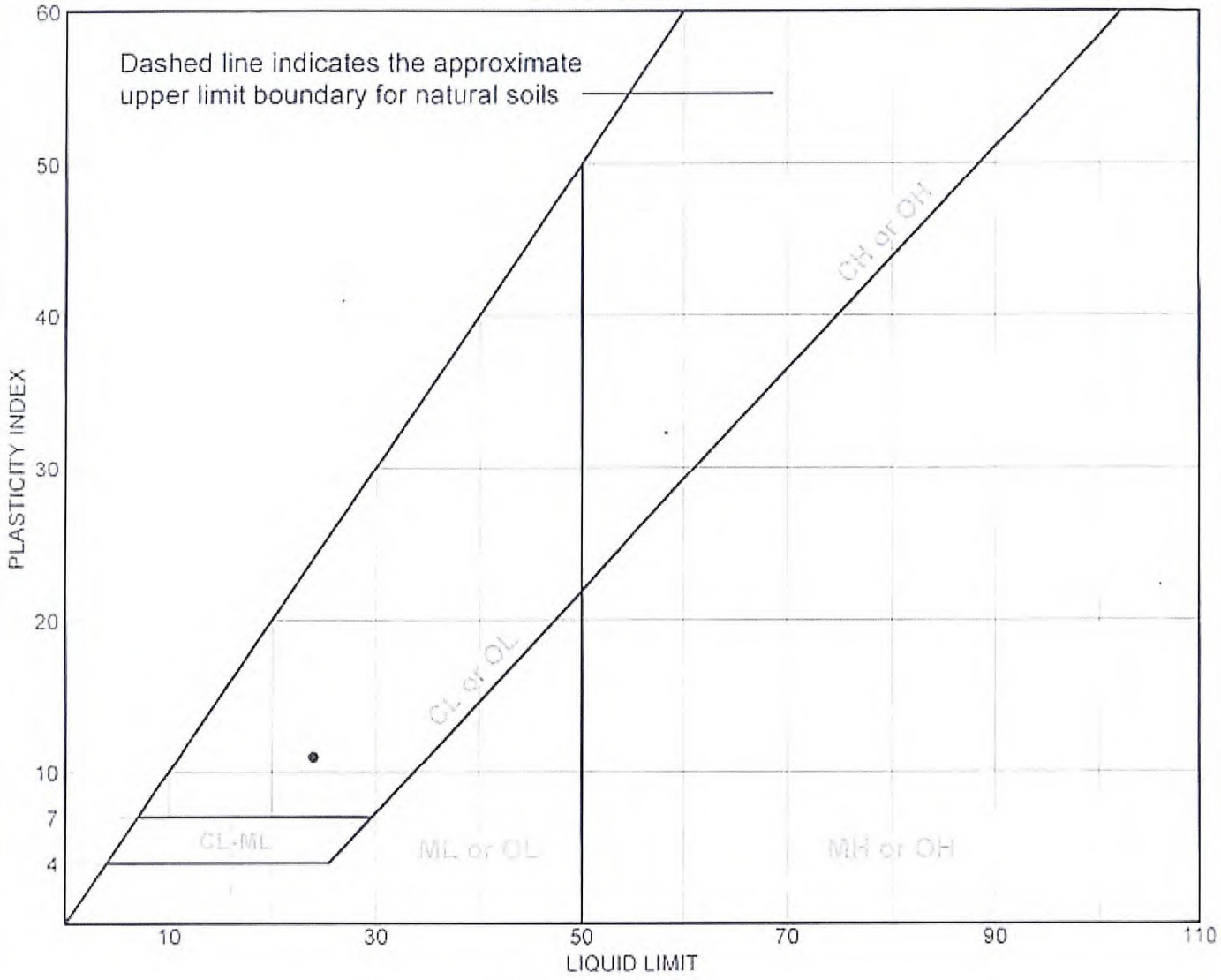
Value of Initial Water Content = 32.3 %
Value of Shrinkage Limit = 13
Value of Shrinkage Ratio = 1.94

ASTM C-136: Sieve Analysis of Fine and Coarse Aggregates

Sieve Size	*Percent Passing*
½"	100.0
⅜"	98.8
¼"	98.3
#4	98.0
#10	97.2
#20	95.6
#40	94.0
#100	89.5
#200	83.2

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

SJB SERVICES, INC. LIQUID AND PLASTIC LIMITS TEST REPORT



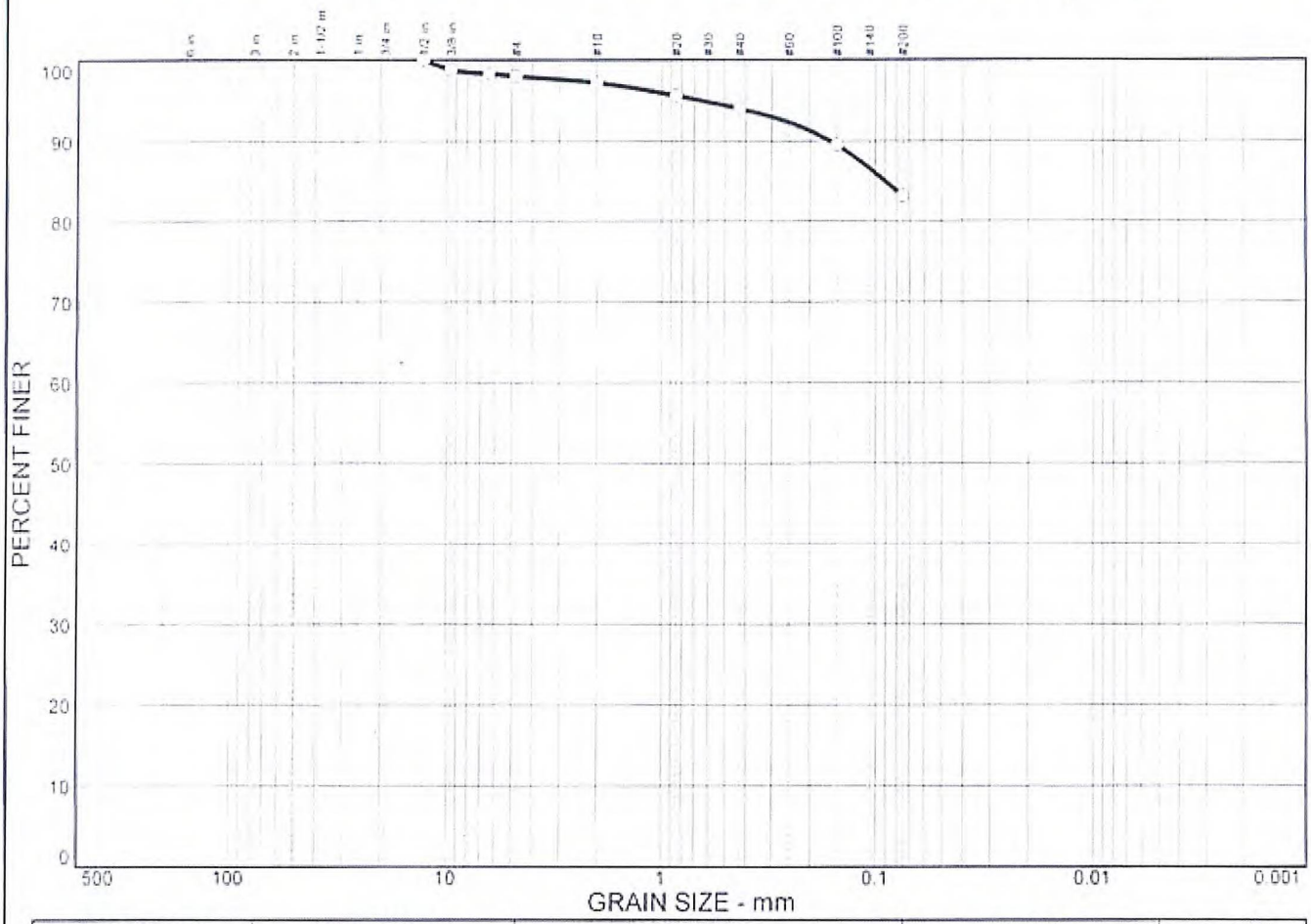
SOIL DATA

SYMBOL	SOURCE	SAMPLE NO.	DEPTH (ft.)	NATURAL WATER CONTENT (%)	PLASTIC LIMIT (%)	LIQUID LIMIT (%)	PLASTICITY INDEX (%)	USCS
●	B-3	S-4	6' - 8'	14.8 %	13	24	11	

SJB SERVICES, INC.	Client: MENSCH CAPITAL PARTNERS, LLC Project: WESTWOOD COUNTRY CLUB DEVELOPMENT PROJECT Project No.: BE-13-192

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

ASTM C-136: Particle Size Distribution Report



% COBBLES	% GRAVEL	% SAND	% SILT	% CLAY
0.0	2.0	14.8	83.2	

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
.5 in.	100.0		
.375 in.	98.8		
.25 in.	98.3		
#4	98.0		
#10	97.2		
#20	95.6		
#40	94.0		
#100	89.5		
#200	83.2		

* (no specification provided)

Soil Description

B-3, S-4; 6' - 8'

Atterberg Limits

PL= 13 LL= 24 PI= 11

Coefficients

D_{85}= 0.0899 D_{60}= D_{50}=
D_{30}= D_{15}= D_{10}=
C_u= C_c=

Classification

USCS= AASHTO=

Remarks

SAMPLE NUMBER: 14-034

Sample No.: S-4 Source of Sample: B-3 Date: 1-29-14
Location: B-3, S-4: 6' - 8' Elev./Depth: 6' - 8'

SJB SERVICES, INC.

Client: MENSCH CAPITAL PARTNERS, LLC
Project: WESTWOOD COUNTRY CLUB DEVELOPMENT PROJECT
Project No: BE-13-192

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Western New York Office
5167 South Park Avenue
Hamburg, NY 14075
Phone: (716) 649-8110
Fax: (716) 649-8051

Laboratory Test Report

PROJECT: Proposed Westwood Country Club Development Project

CLIENT: Mensch Capital Partners, LLC.

DATE: January 29, 2014

PROJECT NO.: BE-13-192
REPORT NO.: LTR-1

SAMPLE NUMBER: 14-039
SAMPLE LOCATION: B-7, S-6: 10' – 12'

ASTM D-2216: Laboratory Determination of Water (Moisture) Content of Soil & Rock
ASTM D-4318: Liquid Limit, Plastic Limit, and Plasticity Index of Soil

Moisture Content	Liquid Limit	Plastic Limit	Plasticity Index
12.6 %	24	12	12

ASTM D-427: Shrinkage Factors of Soils by the Mercury Method

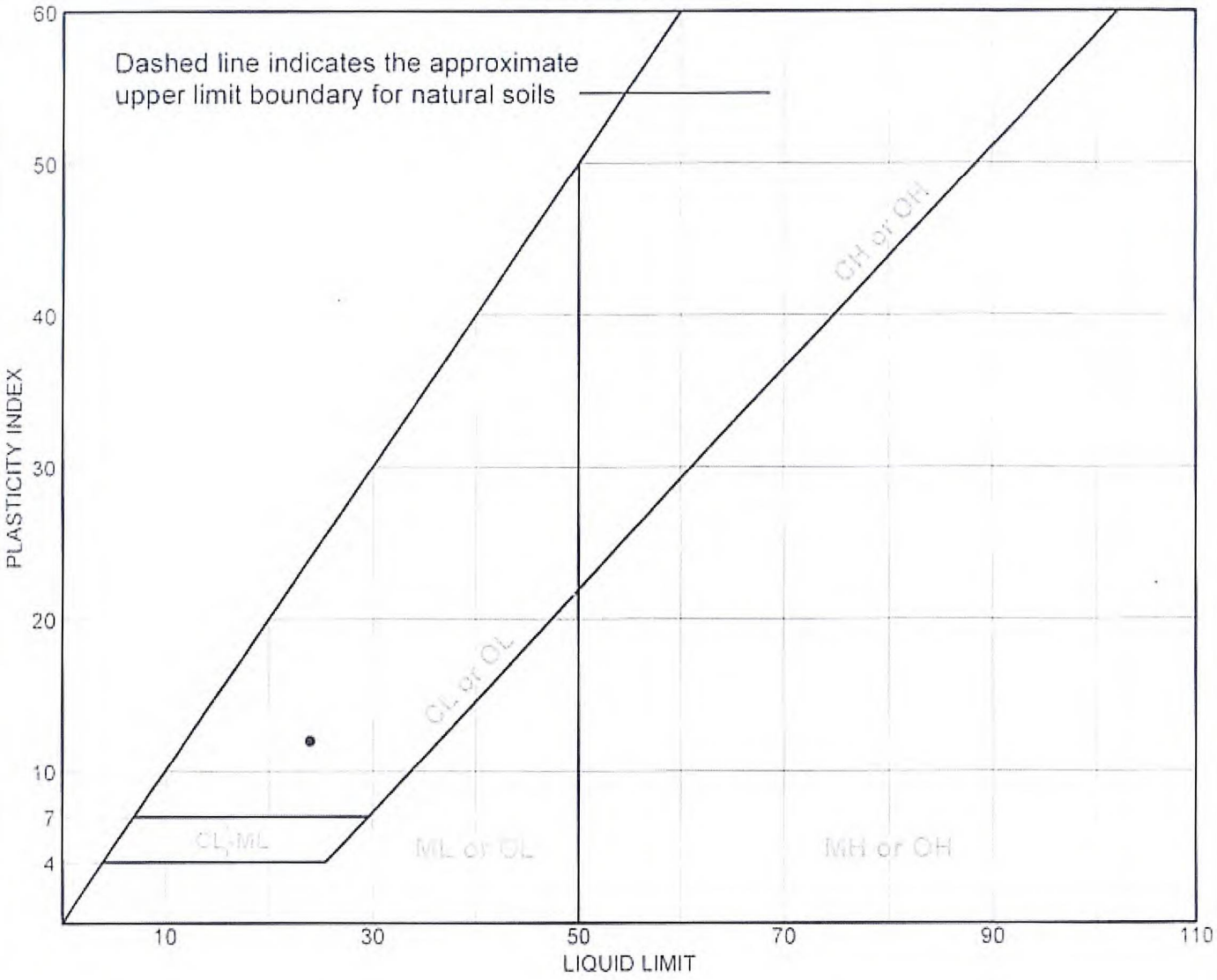
Value of Initial Water Content = 37.9 %
Value of Shrinkage Limit = 13
Value of Shrinkage Ratio = 1.93

ASTM C-136: Sieve Analysis of Fine and Coarse Aggregates

Sieve Size	*Percent Passing*
¾"	100.0
½"	97.2
⅜"	95.9
¼"	92.5
#4	91.7
#10	89.1
#20	86.8
#40	85.0
#100	80.2
#200	74.3

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

SJB SERVICES, INC. LIQUID AND PLASTIC LIMITS TEST REPORT

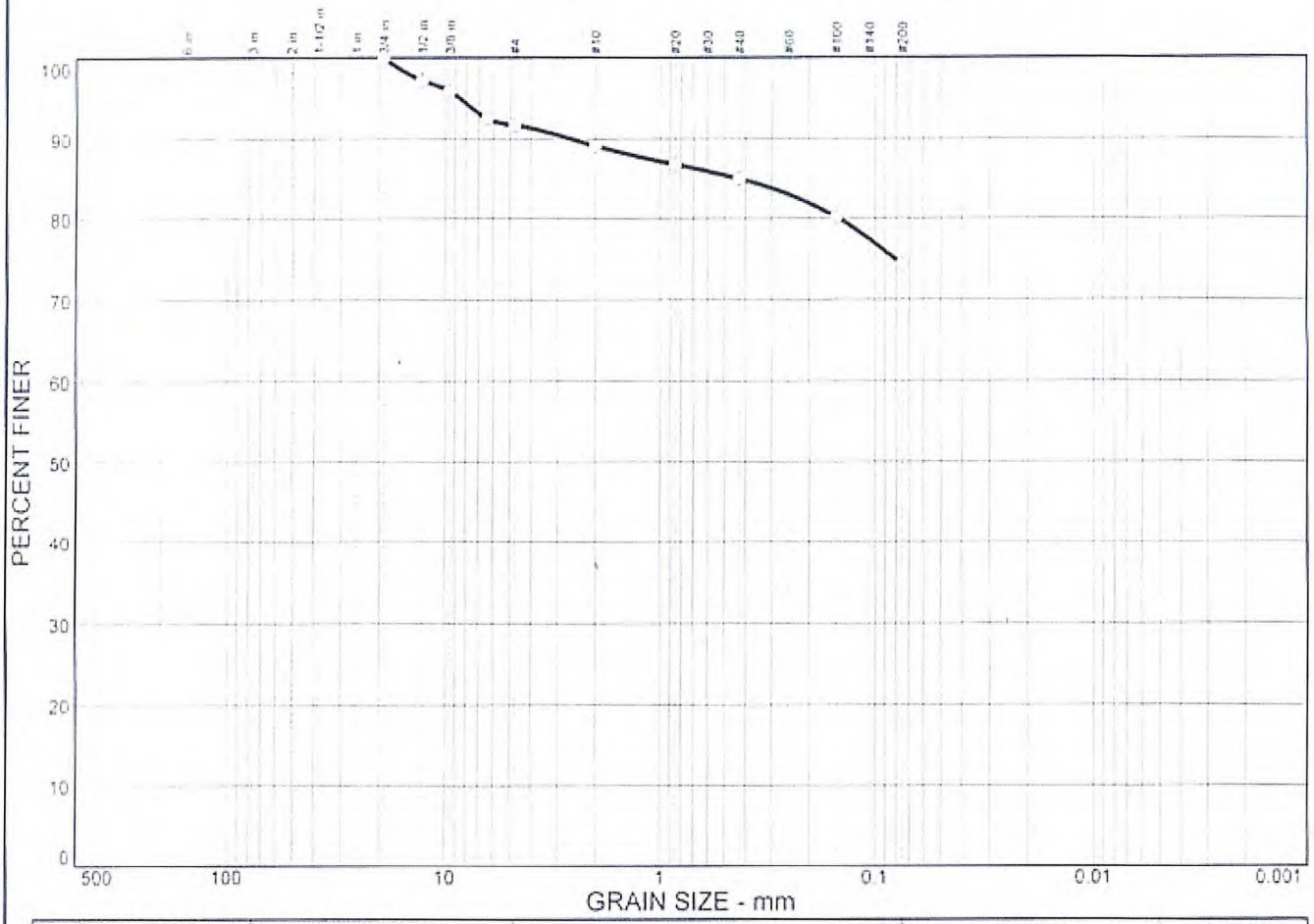


SOIL DATA								
SYMBOL	SOURCE	SAMPLE NO.	DEPTH (ft.)	NATURAL WATER CONTENT (%)	PLASTIC LIMIT (%)	LIQUID LIMIT (%)	PLASTICITY INDEX (%)	USCS
•	B-7	S-6	10' - 12'	12.6 %	12	24	12	

SJB SERVICES, INC.	Client: MENSCH CAPITAL PARTNERS, LLC Project: WESTWOOD COUNTRY CLUB DEVELOPMENT PROJECT Project No.: BE-13-192

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

ASTM C-136: Particle Size Distribution Report



% COBBLES	% GRAVEL	% SAND	% SILT	% CLAY
0.0	8.3	17.4	74.3	

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
.75 in.	100.0		
.5 in.	97.2		
.375 in.	95.9		
.25 in.	92.5		
#4	91.7		
#10	89.1		
#20	86.8		
#40	85.0		
#100	80.2		
#200	74.3		

* (no specification provided)

Soil Description

B-7, S-6: 10' - 12'

Atterberg Limits

PL= 12 LL= 24 PI= 12

Coefficients

D_{85}= 0.425 D_{60}= D_{50}=
D_{30}= D_{15}= D_{10}=
C_u= C_c=

Classification

USCS= AASHTO=

Remarks

SAMPLE NUMBER: 14-039

Sample No.: S-6 Source of Sample: B-7 Date: 1-29-14
Location: B-7, S-6: 10' - 12' Elev./Depth: 10' - 12'

SJB SERVICES, INC.

Client: MENSCH CAPITAL PARTNERS, LLC
Project: WESTWOOD COUNTRY CLUB DEVELOPMENT PROJECT
Project No: BE-13-192

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

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Fax: (716) 649-8051

Laboratory Test Report

PROJECT: Proposed Westwood Country Club Development Project

CLIENT: Mensch Capital Partners, LLC.

DATE: January 29, 2014

PROJECT NO.: BE-13-192
REPORT NO.: LTR-1

SAMPLE NUMBER: 14-040
SAMPLE LOCATION: B-14, S-4: 6' – 8'

ASTM D-2216: Laboratory Determination of Water (Moisture) Content of Soil &Rock
ASTM D-4318: Liquid Limit, Plastic Limit, and Plasticity Index of Soil

Moisture Content	Liquid Limit	Plastic Limit	Plasticity Index
10.7 %	23	12	11

ASTM D-427: Shrinkage Factors of Soils by the Mercury Method

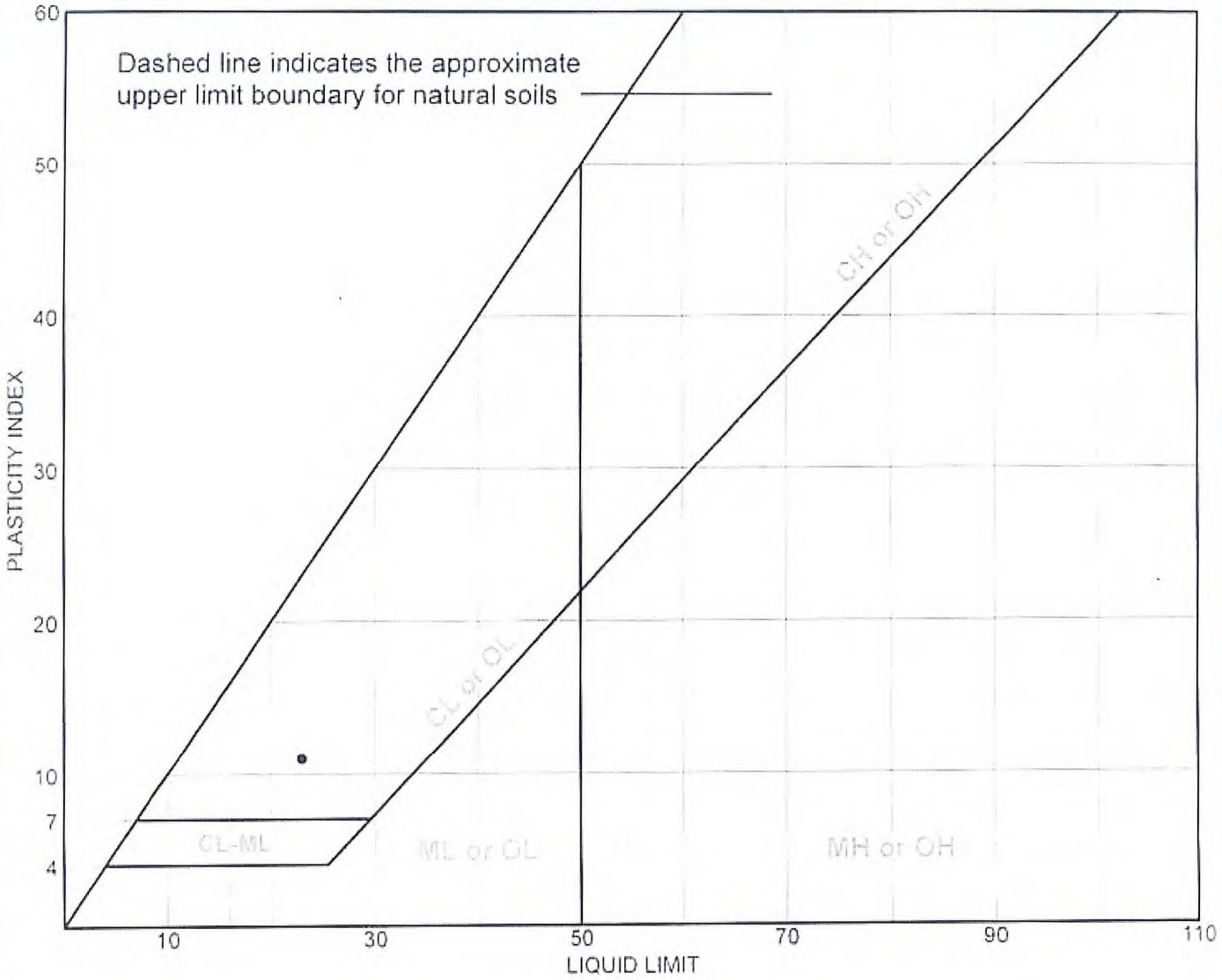
Value of Initial Water Content = 32.9 %
Value of Shrinkage Limit = 17
Value of Shrinkage Ratio = 1.93

ASTM C-136: Sieve Analysis of Fine and Coarse Aggregates

Sieve Size	*Percent Passing*
¾"	100.0
½"	97.0
⅜"	95.3
¼"	93.2
#4	92.1
#10	89.4
#20	86.5
#40	84.1
#100	77.6
#200	70.1

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

SJB SERVICES, INC. LIQUID AND PLASTIC LIMITS TEST REPORT



SOIL DATA

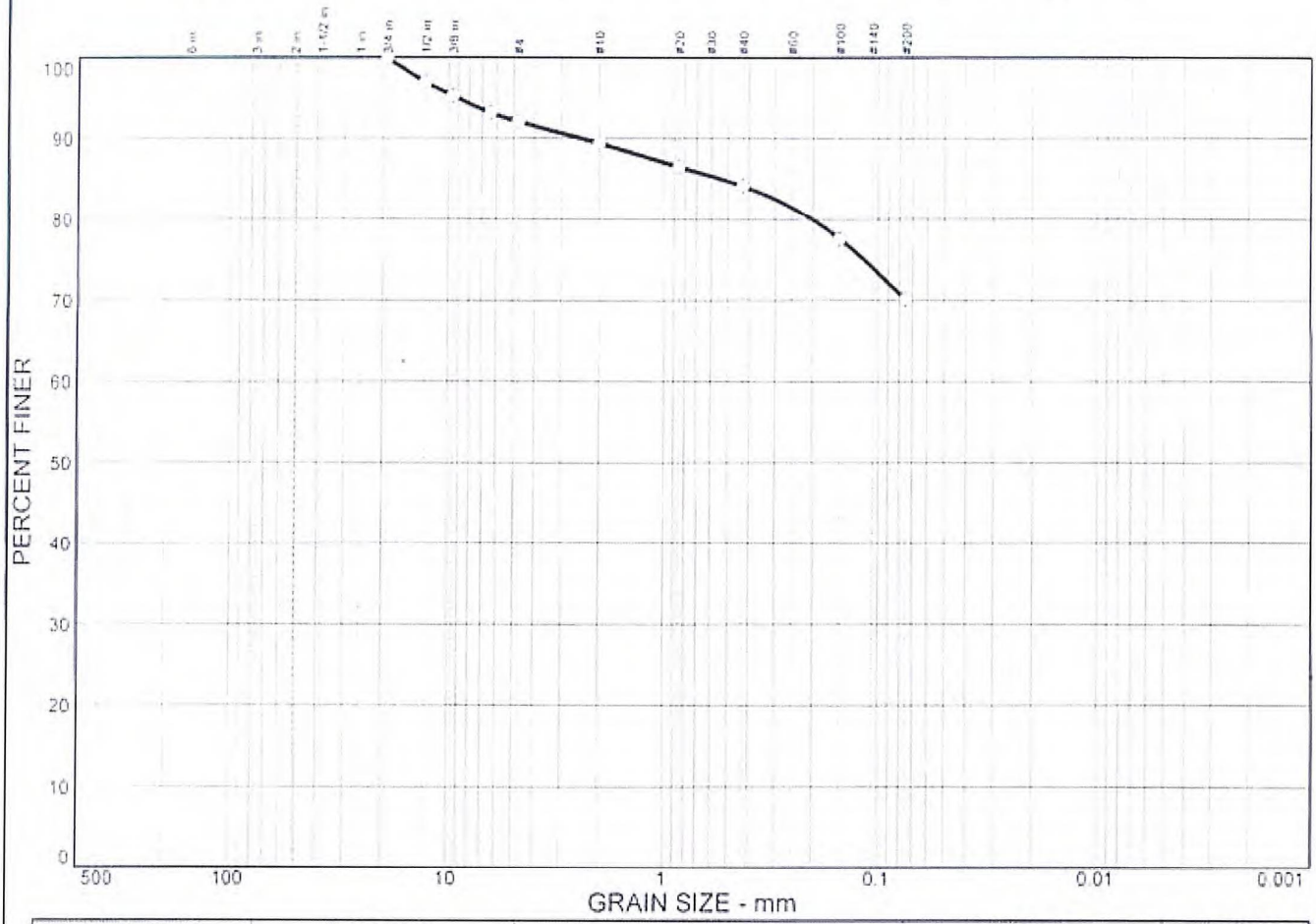
SYMBOL	SOURCE	SAMPLE NO.	DEPTH (ft.)	NATURAL WATER CONTENT (%)	PLASTIC LIMIT (%)	LIQUID LIMIT (%)	PLASTICITY INDEX (%)	USCS
●	B-14	S-4	6' - 8'	10.7 %	12	23	11	

SJB SERVICES, INC.

Client: MENSCH CAPITAL PARTNERS, LLC
Project: WESTWOOD COUNTRY CLUB DEVELOPMENT PROJECT
Project No.: BE-13-192

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

ASTM C-136: Particle Size Distribution Report



% COBBLES	% GRAVEL	% SAND	% SILT	% CLAY
0.0	7.9	22.0	70.1	

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
.75 in.	100.0		
.5 in.	97.0		
.375 in.	95.3		
.25 in.	93.2		
#4	92.1		
#10	89.4		
#20	86.5		
#40	84.1		
#100	77.6		
#200	70.1		

* (no specification provided)

Soil Description

B-14, S-4: 6' - 8'

Atterberg Limits

PL= 12 LL= 23 PI= 11

Coefficients

D_{85}= 0.541 D_{60}= D_{50}=
D_{30}= D_{15}= D_{10}=
C_u= C_c=

Classification

USCS= AASHTO=

Remarks

SAMPLE NUMBER: 13-040

Sample No.: S-4 Source of Sample: B-14 Date: 1-29-14
Location: B-14, S-4: 6' - 8' Elev./Depth: 6' - 8'

SJB SERVICES, INC.

Client: MENSCH CAPITAL PARTNERS, LLC
Project: WESTWOOD COUNTRY CLUB DEVELOPMENT PROJECT
Project No: BE-13-192

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

SJB SERVICES, INC.

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Fax: (716) 649-8051

Laboratory Test Report

PROJECT: Proposed Westwood Country Club Development Project

CLIENT: Mensch Capital Partners, LLC.

DATE: January 29, 2014

PROJECT NO.: BE-13-192
REPORT NO.: LTR-1

SAMPLE NUMBER: 14-041
SAMPLE LOCATION: B-22, S-3: 4' – 6'

ASTM D-2216: Laboratory Determination of Water (Moisture) Content of Soil & Rock
ASTM D-4318: Liquid Limit, Plastic Limit, and Plasticity Index of Soil

Moisture Content	Liquid Limit	Plastic Limit	Plasticity Index
26.5 %	52	22	30

ASTM D-427: Shrinkage Factors of Soils by the Mercury Method

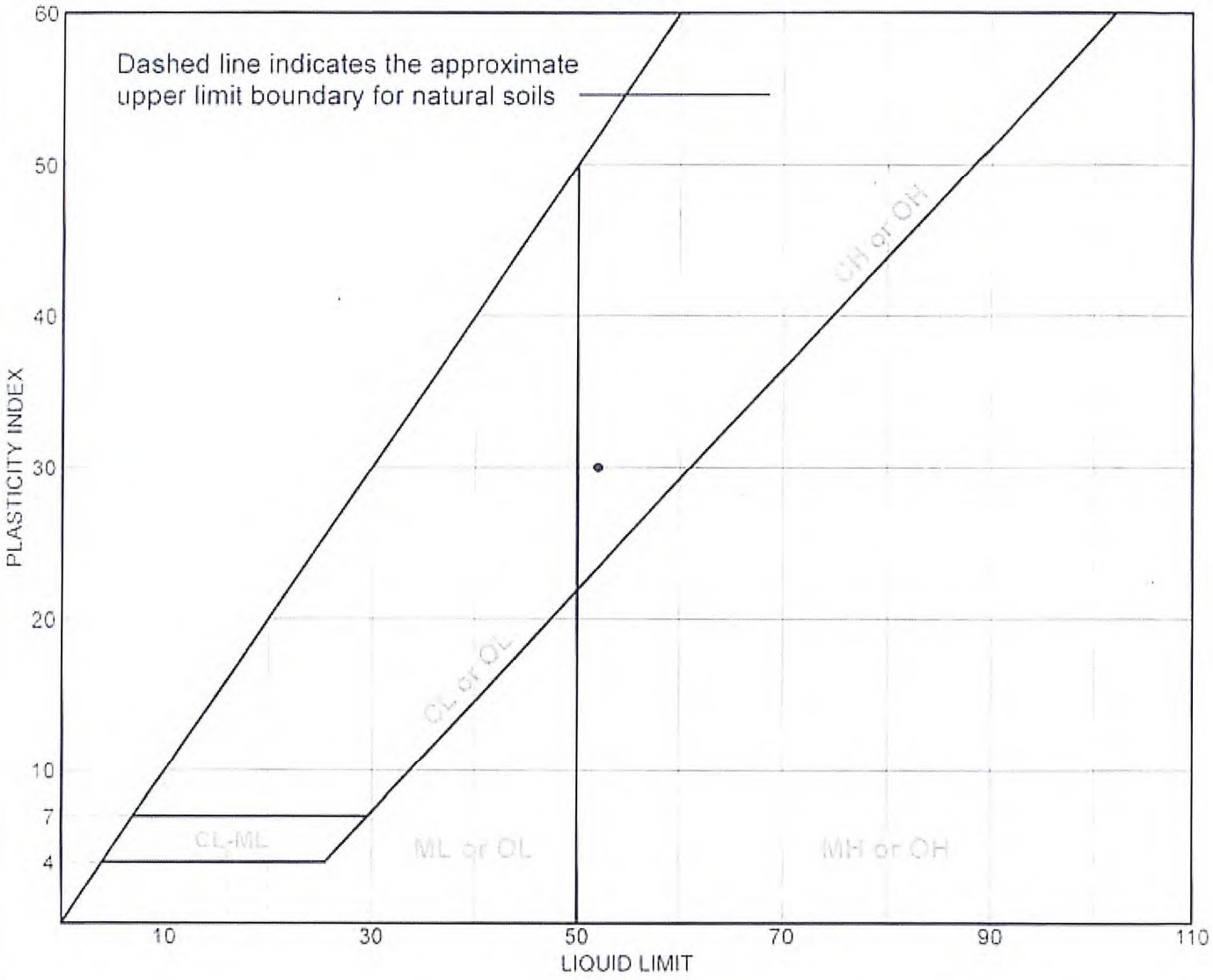
Value of Initial Water Content = 64.8 %
Value of Shrinkage Limit = 23
Value of Shrinkage Ratio = 1.69

ASTM C-136: Sieve Analysis of Fine and Coarse Aggregates

Sieve Size	*Percent Passing*
#4	100.0
#10	100.0
#20	99.9
#40	99.8
#100	99.5
#200	99.2

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

SJB SERVICES, INC. LIQUID AND PLASTIC LIMITS TEST REPORT



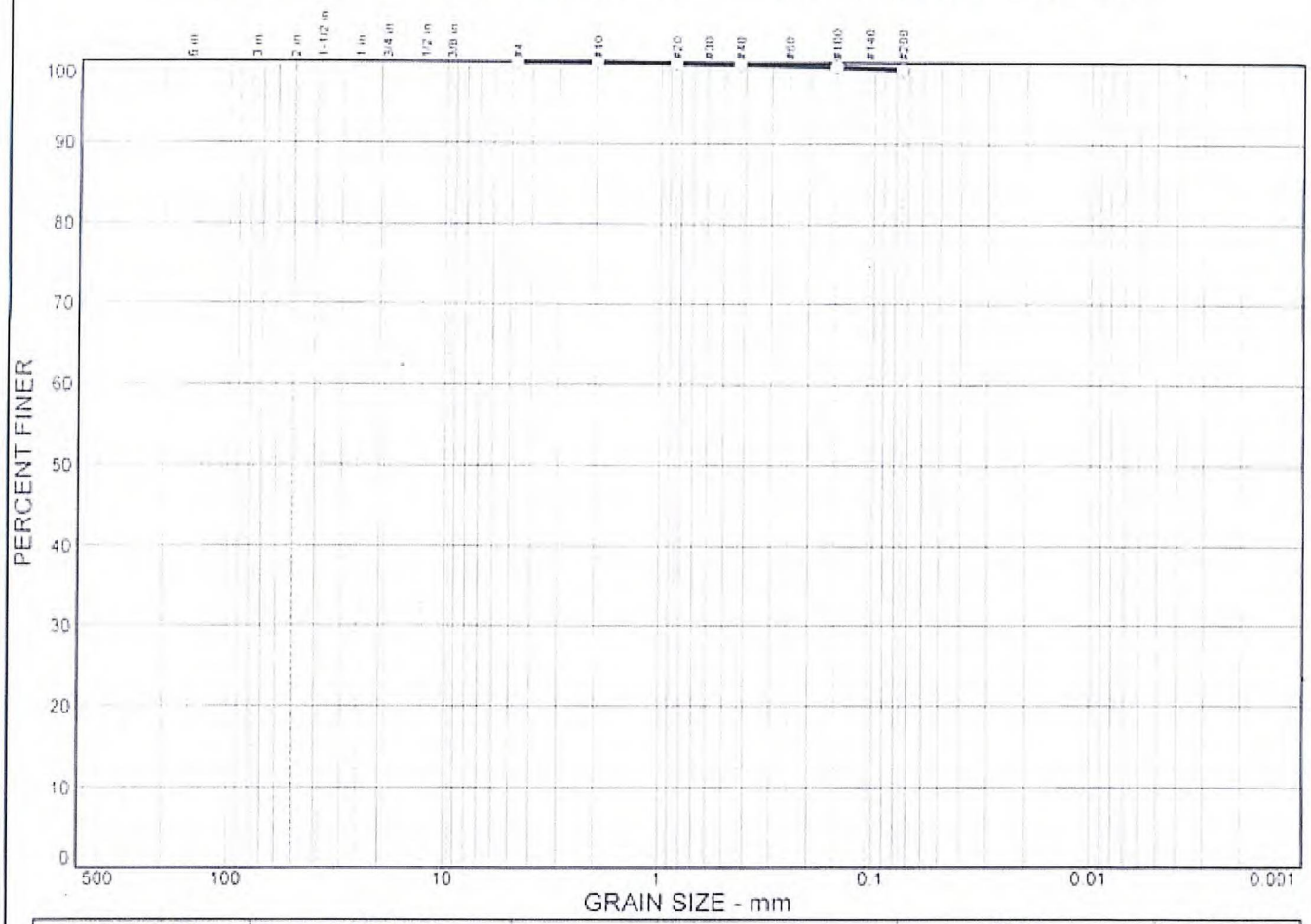
SOIL DATA								
SYMBOL	SOURCE	SAMPLE NO.	DEPTH (ft.)	NATURAL WATER CONTENT (%)	PLASTIC LIMIT (%)	LIQUID LIMIT (%)	PLASTICITY INDEX (%)	USCS
●	B-22	S-3	4' - 6'	26.5 %	22	52	30	

SJB SERVICES, INC.

Client: MENSCH CAPITAL PARTNERS, LLC
Project: WESTWOOD COUNTRY CLUB DEVELOPMENT PROJECT
Project No.: BE-13-192

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

ASTM C-136: Particle Size Distribution Report



% COBBLES	% GRAVEL	% SAND	% SILT	% CLAY
0.0	0.0	0.8	99.2	

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
#4	100.0		
#10	100.0		
#20	99.9		
#40	99.8		
#100	99.5		
#200	99.2		

* (no specification provided)

Soil Description

B-22, S-3: 4' - 6'

Atterberg Limits

PL= 22 LL= 52 PI= 30

Coefficients

D_{85}= D_{60}= D_{50}=
D_{30}= D_{15}= D_{10}=
C_u= C_c=

Classification

USCS= AASHTO=

Remarks

SAMPLE NUMBER: 14-041

Sample No.: S-3 Source of Sample: B-22 Date: 1-29-14
Location: B-22, S-3: 4' - 6' Elev./Depth: 4' - 6'

SJB SERVICES, INC.

Client: MENSCH CAPITAL PARTNERS, LLC
Project: WESTWOOD COUNTRY CLUB DEVELOPMENT PROJECT
Project No: BE-13-192

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Laboratory Test Report

PROJECT: Proposed Westwood Country Club Development Project

CLIENT: Mensch Capital Partners, LLC.

DATE: January 29, 2014

PROJECT NO.: BE-13-192
REPORT NO.: LTR-1

SAMPLE NUMBER: 14-047
SAMPLE LOCATION: B-35, S-7: 15' – 17'

ASTM D-2216: Laboratory Determination of Water (Moisture) Content of Soil & Rock

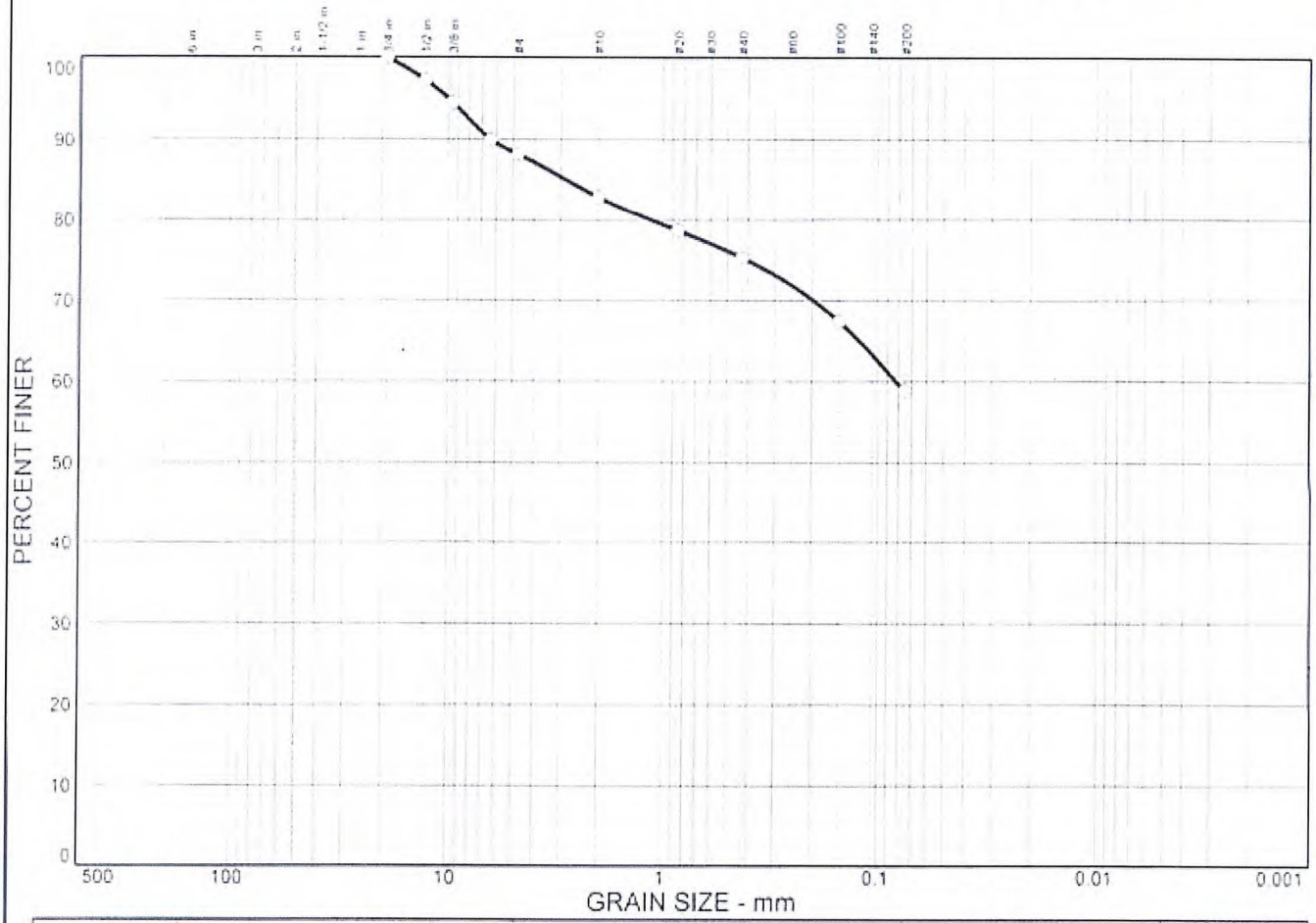
Moisture Content: 8.7 %

ASTM C-136: Sieve Analysis of Fine and Coarse Aggregates

Sieve Size	*Percent Passing*
¾"	100.0
½"	97.2
⅜"	94.5
¼"	90.0
#4	88.2
#10	82.9
#20	78.7
#40	75.3
#100	67.4
#200	58.8

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

ASTM C-136: Particle Size Distribution Report



% COBBLES	% GRAVEL	% SAND	% SILT	% CLAY
0.0	11.8	29.4	58.8	

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
.75 in.	100.0		
.5 in.	97.2		
.375 in.	94.5		
.25 in.	90.0		
#4	88.2		
#10	82.9		
#20	78.7		
#40	75.3		
#100	67.4		
#200	58.8		

* (no specification provided)

Soil Description

B-35, S-7: 15' - 17'

Atterberg Limits

PL= LL= PI=

Coefficients

D_{85}= 2.81 D_{60}= 0.0821 D_{50}=

D_{30}= D_{15}= D_{10}=

C_u= C_c=

Classification

USCS= AASHTO=

Remarks

SAMPLE NUMBER: 14-047

Sample No.: S-7 Source of Sample: B-35 Date: 1-29-14

Location: B-35, S-7: 15' - 17' Elev./Depth: 15' - 17'

SJB SERVICES, INC.

Client: MENSCH CAPITAL PARTNERS, LLC

Project: WESTWOOD COUNTRY CLUB DEVELOPMENT PROJECT

Project No: BE-13-192

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

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Laboratory Test Report

PROJECT: **Proposed Westwood Country Club Development Project**

CLIENT: **Mensch Capital Partners, LLC.**

DATE: **February 6, 2014**

PROJECT NO.: BE-13-192
REPORT NO.: LTR-2

Attached are the results of laboratory testing conducted on various samples from the above referenced project. Mr. John Danzer, representing Empire –Geo Services, Inc, chose samples contained in this report.

The testing conducted was as follows:

ASTM D-2216: Laboratory Determination of Water (Moisture) Content of Soil & Rock

ASTM D-4318: Liquid Limit, Plastic Limit, and Plasticity Index of Soil

ASTM D-427: Shrinkage Factors of Soils by the Mercury Method

ASTM C-136: Sieve Analysis of Fine and Coarse Aggregates

Samples were received at the SJB Services, Inc. laboratory on January 27, 2014 where they were processed for testing.

If the reviewer should have any questions concerning this report, please do not hesitate to contact our office at any time.

SJB Services, Inc.

Paul Gregorczyk
Laboratory Manager

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

SJB SERVICES, INC.

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Laboratory Test Report

PROJECT: Proposed Westwood Country Club Development Project

CLIENT: Mensch Capital Partners, LLC.

DATE: February 6, 2014

PROJECT NO.: BE-13-192
REPORT NO.: LTR-2

SAMPLE NUMBER: 14-098
SAMPLE LOCATION: B-20, S-5: 8' – 10'

ASTM D-2216: Laboratory Determination of Water (Moisture) Content of Soil & Rock
ASTM D-4318: Liquid Limit, Plastic Limit, and Plasticity Index of Soil

Moisture Content	Liquid Limit	Plastic Limit	Plasticity Index
23.3 %	37	17	20

ASTM D-427: Shrinkage Factors of Soils by the Mercury Method

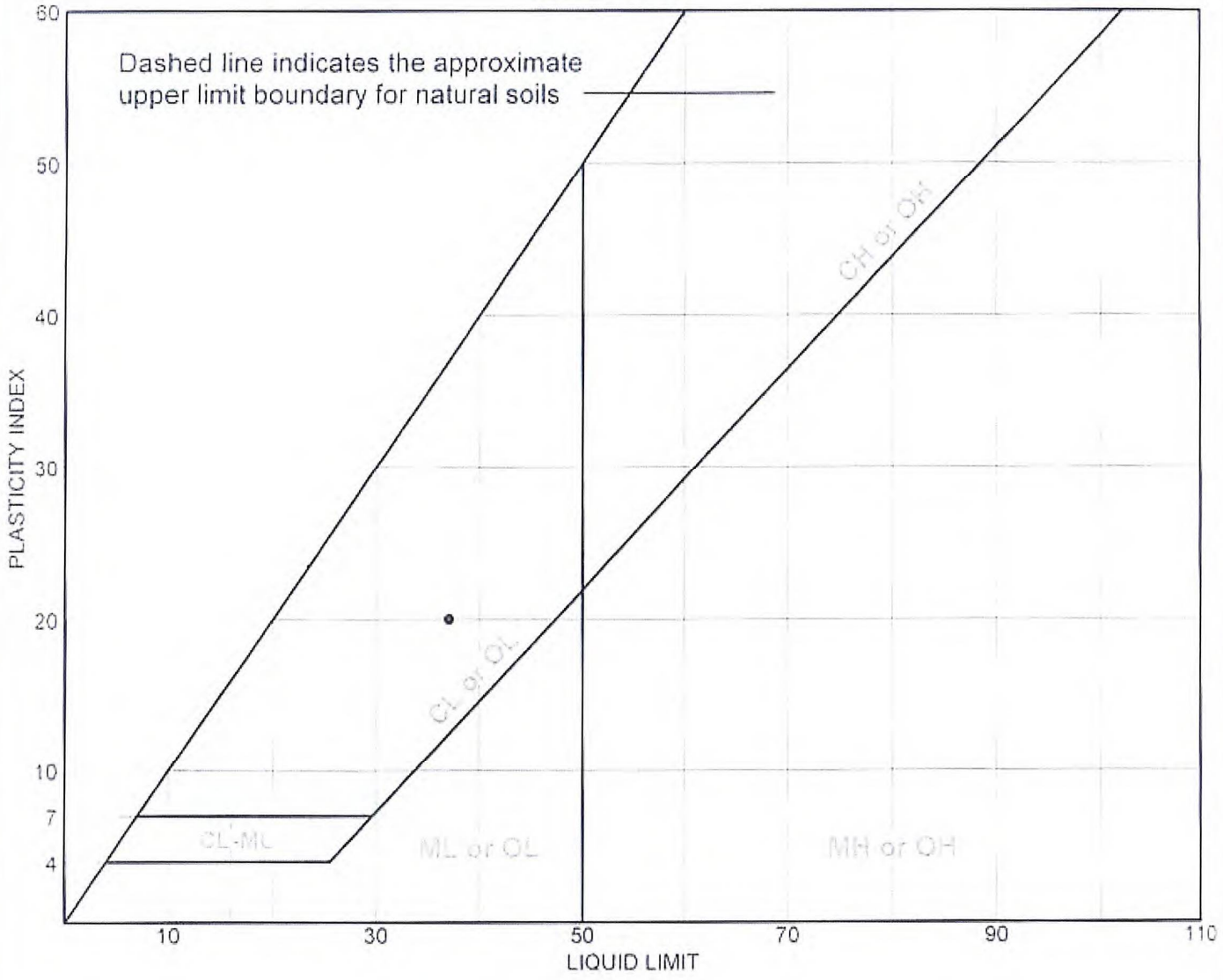
Value of Initial Water Content = 51.6 %
Value of Shrinkage Limit = 19
Value of Shrinkage Ratio = 1.81

ASTM C-136: Sieve Analysis of Fine and Coarse Aggregates

Sieve Size	*Percent Passing*
#4	100.0
#10	99.8
#20	99.7
#40	99.5
#100	99.3
#200	99.0

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

SJB SERVICES, INC. LIQUID AND PLASTIC LIMITS TEST REPORT



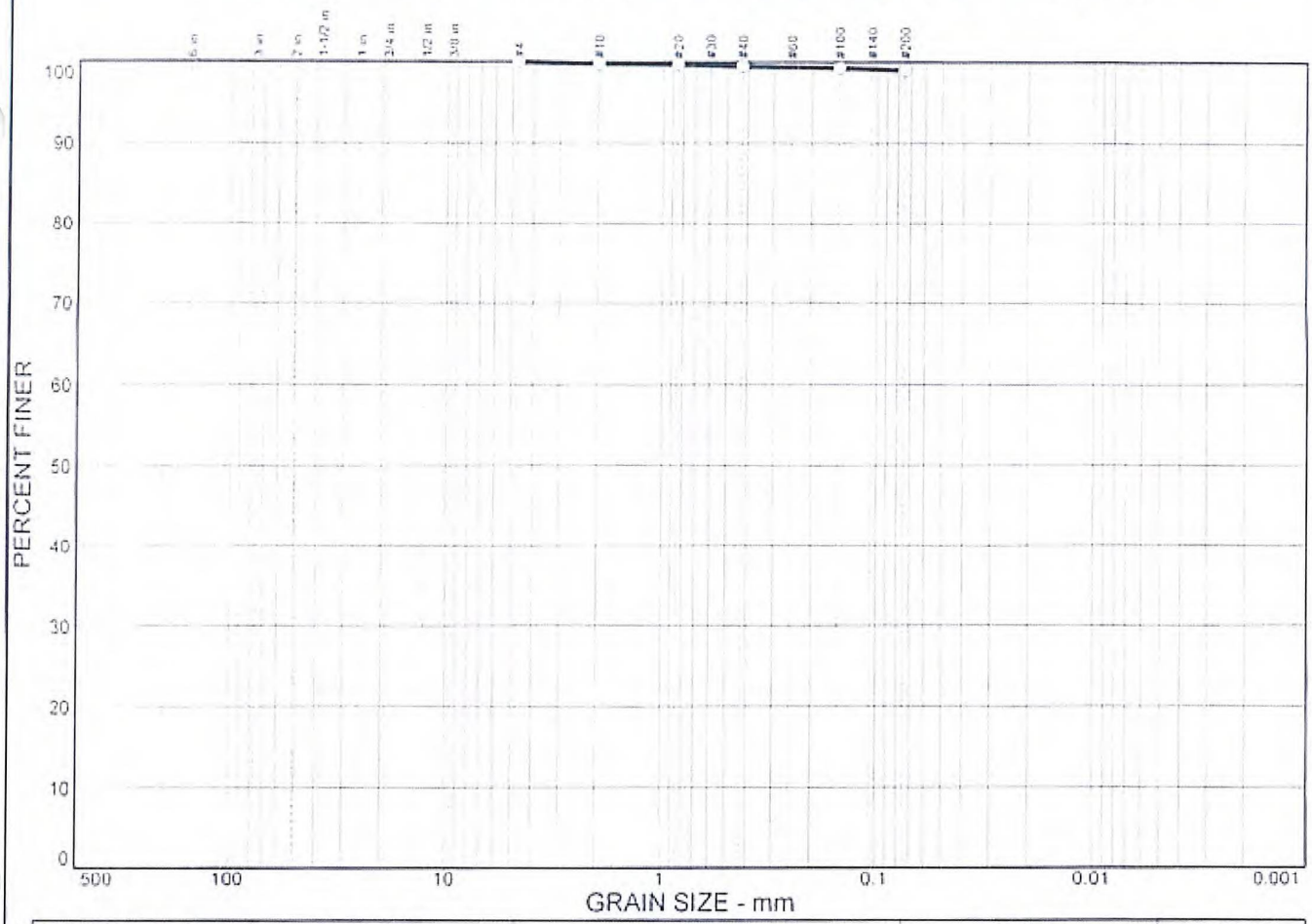
SOIL DATA								
SYMBOL	SOURCE	SAMPLE NO.	DEPTH (ft.)	NATURAL WATER CONTENT (%)	PLASTIC LIMIT (%)	LIQUID LIMIT (%)	PLASTICITY INDEX (%)	USCS
●	B-20	S-5	8' - 10'	23.3 %	17	37	20	

SJB SERVICES, INC.

Client: MENSCH CAPITAL PARTNERS, LLC
Project: WESTWOOD COUNTRY CLUB DEVELOPMENT PROJECT
Project No.: BE-13-192

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

ASTM C-136: Particle Size Distribution Report



% COBBLES	% GRAVEL	% SAND	% SILT	% CLAY
0.0	0.0	1.0	99.0	

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
#4	100.0		
#10	99.8		
#20	99.7		
#40	99.5		
#100	99.3		
#200	99.0		

* (no specification provided)

Soil Description

B-20, S-5: 8' - 10'

Atterberg Limits

PL= 17 LL= 37 PI= 20

Coefficients

D_{85}= D_{60}= D_{50}=
D_{30}= D_{15}= D_{10}=
C_u= C_c=

Classification

USCS= AASHTO=

Remarks

SAMPLE NUMBER: 14-098

Sample No.: S-5 Source of Sample: B-20 Date: 2-6-14
Location: B-20, S-5: 8' - 10' Elev./Depth: 8' - 10'

SJB SERVICES, INC.

Client: MENSCH CAPITAL PARTNERS, LLC
Project: WESTWOOD COUNTRY CLUB DEVELOPMENT PROJECT
Project No: BE-13-192

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Laboratory Test Report

PROJECT: Proposed Westwood Country Club Development Project

CLIENT: Mensch Capital Partners, LLC.

DATE: February 6, 2014

PROJECT NO.: BE-13-192
REPORT NO.: LTR-2

SAMPLE NUMBER: 14-099
SAMPLE LOCATION: B-30, S-5: 8' – 10'

ASTM D-2216: Laboratory Determination of Water (Moisture) Content of Soil & Rock
ASTM D-4318: Liquid Limit, Plastic Limit, and Plasticity Index of Soil

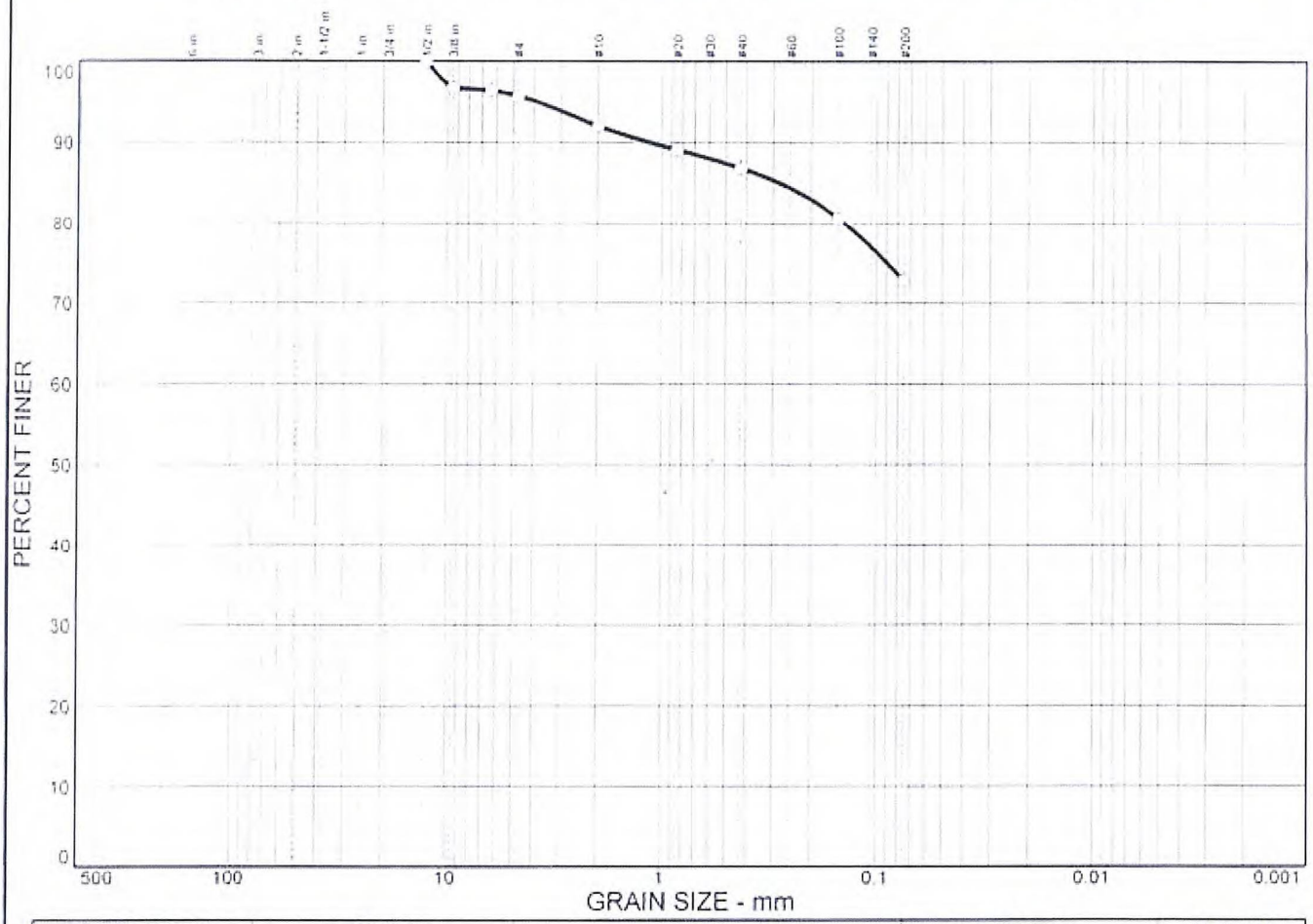
Moisture Content = 11.4 %

ASTM C-136: Sieve Analysis of Fine and Coarse Aggregates

Sieve Size	*Percent Passing*
½"	100.0
⅜"	96.7
¼"	96.4
#4	95.7
#10	92.0
#20	89.1
#40	86.8
#100	80.6
#200	72.8

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

ASTM C-136: Particle Size Distribution Report



% COBBLES	% GRAVEL	% SAND	% SILT	% CLAY
0.0	4.3	22.9	72.8	

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
.5 in.	100.0		
.375 in.	96.7		
.25 in.	96.4		
#4	95.7		
#10	92.0		
#20	89.1		
#40	86.8		
#100	80.6		
#200	72.8		

* (no specification provided)

Soil Description

B-30, S-5: 8' - 10'

Atterberg Limits

PL= LL= PI=

Coefficients

D_{85}= 0.282 D_{60}= D_{50}=
D_{30}= D_{15}= D_{10}=
C_u= C_c=

Classification

USCS= AASHTO=

Remarks

SAMPLE NUMBER: 14-099

Sample No.: S-5 Source of Sample: B-30 Date: 2-6-14
Location: B-30, S-5: 8' - 10' Elev./Depth: 8' - 10'

SJB SERVICES, INC.

Client: MENSCH CAPITAL PARTNERS, LLC
Project: WESTWOOD COUNTRY CLUB DEVELOPMENT PROJECT
Project No: BE-13-192

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Laboratory Test Report

PROJECT: Proposed Westwood Country Club Development Project

CLIENT: Mensch Capital Partners, LLC.

DATE: February 6, 2014

PROJECT NO.: BE-13-192
REPORT NO.: LTR-2

SAMPLE NUMBER: 14-100
SAMPLE LOCATION: B-44, S-3: 4' – 6'

ASTM D-2216: Laboratory Determination of Water (Moisture) Content of Soil & Rock
ASTM D-4318: Liquid Limit, Plastic Limit, and Plasticity Index of Soil

Moisture Content	Liquid Limit	Plastic Limit	Plasticity Index
21.3 %	59	22	37

ASTM D-427: Shrinkage Factors of Soils by the Mercury Method

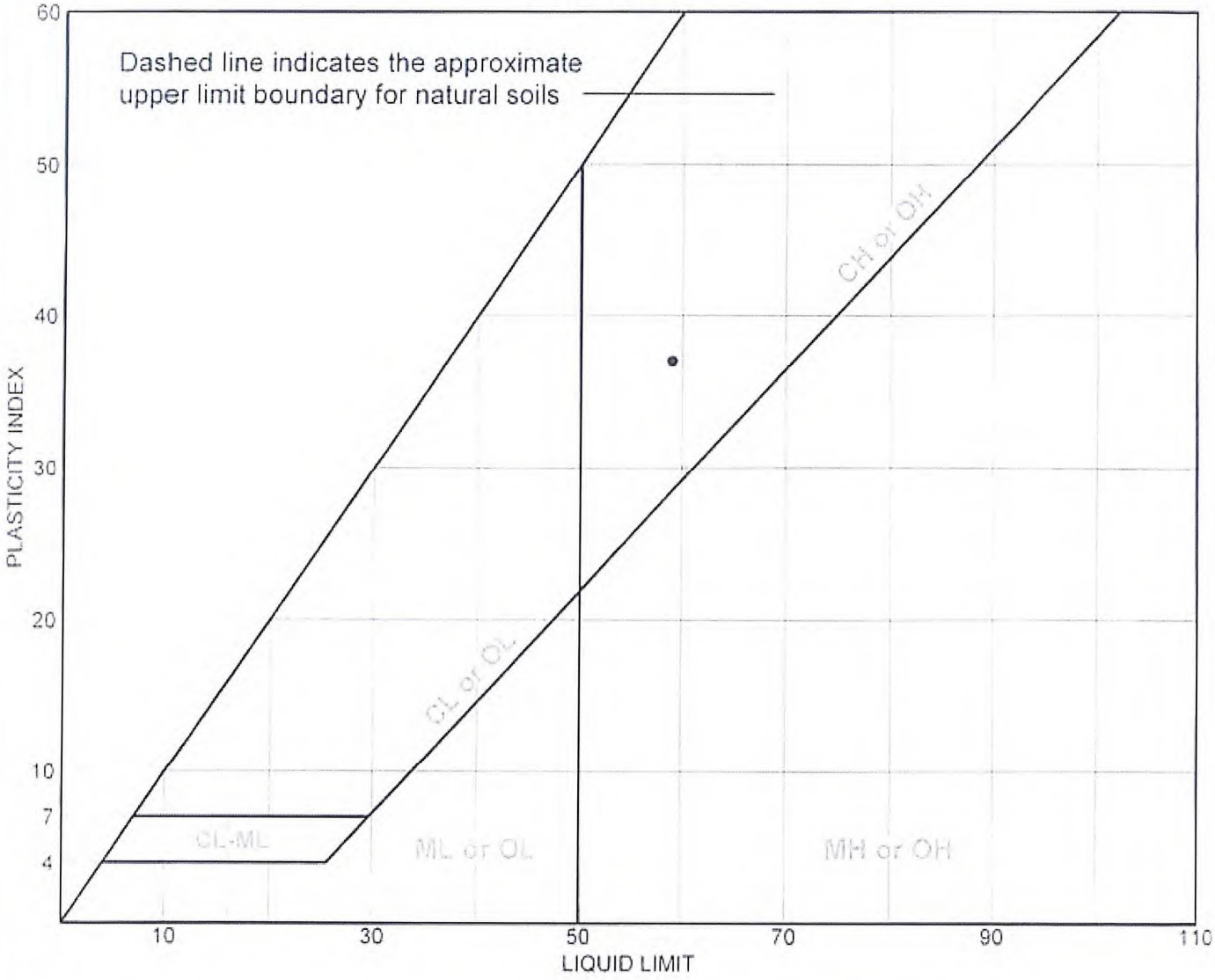
Value of Initial Water Content = 72.6 %
Value of Shrinkage Limit = 22
Value of Shrinkage Ratio = 1.69

ASTM C-136: Sieve Analysis of Fine and Coarse Aggregates

Sieve Size	*Percent Passing*
#4	100.0
#10	100.0
#20	99.8
#40	99.6
#100	99.0
#200	97.8

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

SJB SERVICES, INC. LIQUID AND PLASTIC LIMITS TEST REPORT



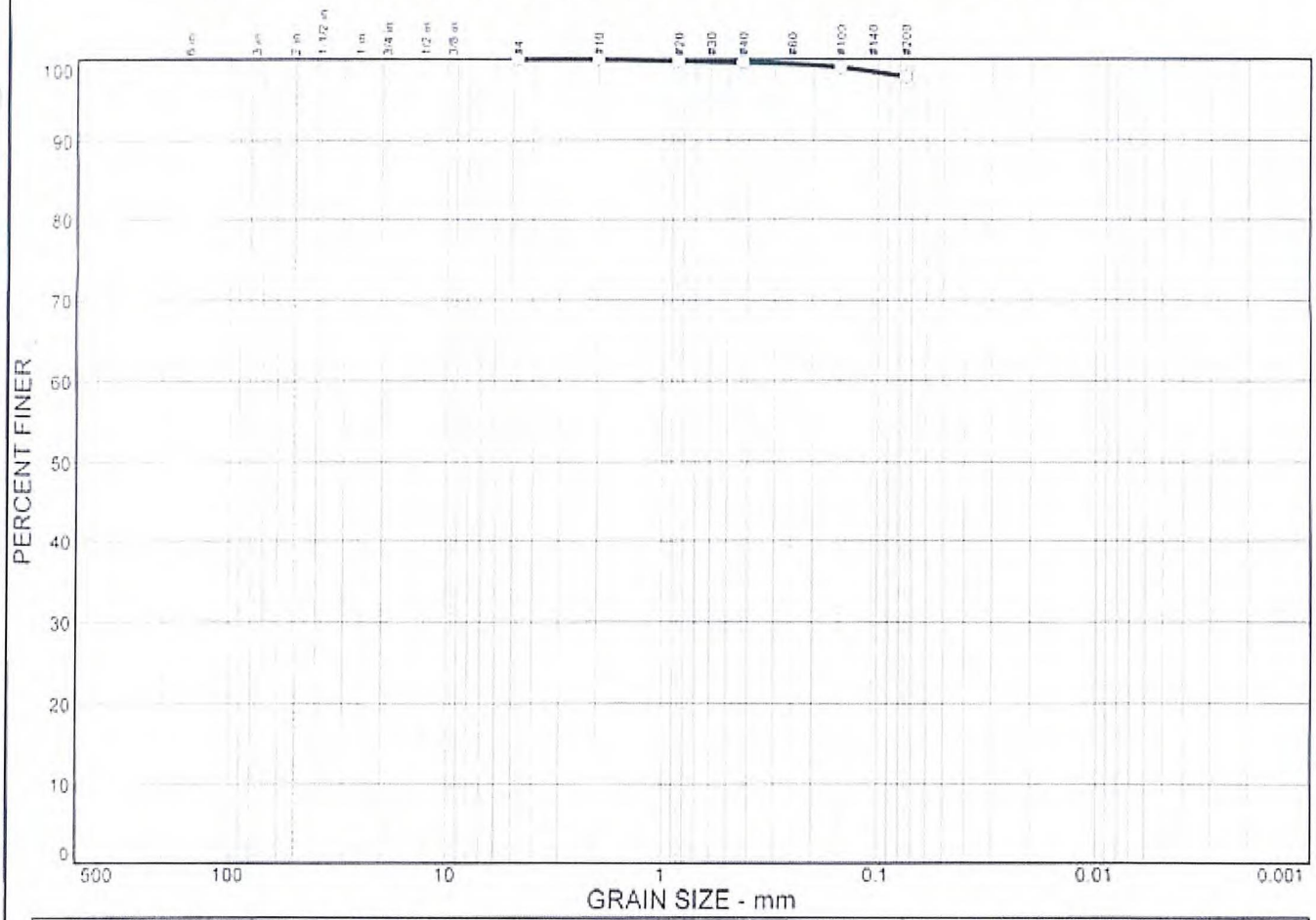
SOIL DATA								
SYMBOL	SOURCE	SAMPLE NO.	DEPTH (ft.)	NATURAL WATER CONTENT (%)	PLASTIC LIMIT (%)	LIQUID LIMIT (%)	PLASTICITY INDEX (%)	USCS
●	B-44	S-3	4' - 6'	21.3 %	22	59	37	

SJB SERVICES, INC.

Client: MENSCH CAPITAL PARTNERS, LLC
Project: WESTWOOD COUNTRY CLUB DEVELOPMENT PROJECT
Project No.: BE-13-192

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

ASTM C-136: Particle Size Distribution Report



% COBBLES	% GRAVEL	% SAND	% SILT	% CLAY
0.0	0.0	2.2	97.8	

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
#4	100.0		
#10	100.0		
#20	99.8		
#40	99.6		
#100	99.0		
#200	97.8		

* (no specification provided)

Soil Description

B-44, S-3: 4' - 6'

Atterberg Limits

PL= 22 LL= 59 PI= 37

Coefficients

D_{85}= D_{60}= D_{50}=
D_{30}= D_{15}= D_{10}=
C_u= C_c=

Classification

USCS= AASHTO=

Remarks

SAMPLE NUMBER: 14-100

Sample No.: S-3 Source of Sample: B-44 Date: 2-6-14
Location: B-44, S-3: 4' - 6' Elev./Depth: 4' - 6'

SJB SERVICES, INC.

Client: MENSCH CAPITAL PARTNERS, LLC
Project: WESTWOOD COUNTRY CLUB DEVELOPMENT PROJECT
Project No: BE-13-192

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Western New York Office
5167 South Park Avenue
Hamburg, NY 14075
Phone: (716) 649-8110
Fax: (716) 649-8051

Laboratory Test Report

PROJECT: Proposed Westwood Country Club Development Project

CLIENT: Mensch Capital Partners, LLC.

DATE: February 14, 2014

PROJECT NO.: BE-13-192
REPORT NO.: LTR-3

Attached are the results of laboratory testing conducted on various samples from the above referenced project. Mr. John Danzer, representing Empire –Geo Services, Inc, chose samples contained in this report.

The testing conducted was as follows:

ASTM D-2216: Laboratory Determination of Water (Moisture) Content of Soil & Rock

ASTM D-4318: Liquid Limit, Plastic Limit, and Plasticity Index of Soil

ASTM D-427: Shrinkage Factors of Soils by the Mercury Method

ASTM C-136: Sieve Analysis of Fine and Coarse Aggregates

Samples were received at the SJB Services, Inc. laboratory on February 7, 2014 where they were processed for testing.

If the reviewer should have any questions concerning this report, please do not hesitate to contact our office at any time.

SJB Services, Inc.

Paul Gregorczyk
Laboratory Manager

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

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Laboratory Test Report

PROJECT: Proposed Westwood Country Club Development Project

CLIENT: Mensch Capital Partners, LLC.

DATE: February 14, 2014

PROJECT NO.: BE-13-192
REPORT NO.: LTR-3

SAMPLE NUMBER: 14-122
SAMPLE LOCATION: B-12, S-3: 4 – 6'

ASTM D-2216: Laboratory Determination of Water (Moisture) Content of Soil & Rock
ASTM D-4318: Liquid Limit, Plastic Limit, and Plasticity Index of Soil

Moisture Content	Liquid Limit	Plastic Limit	Plasticity Index
13.1 %	24	13	11

ASTM D-427: Shrinkage Factors of Soils by the Mercury Method

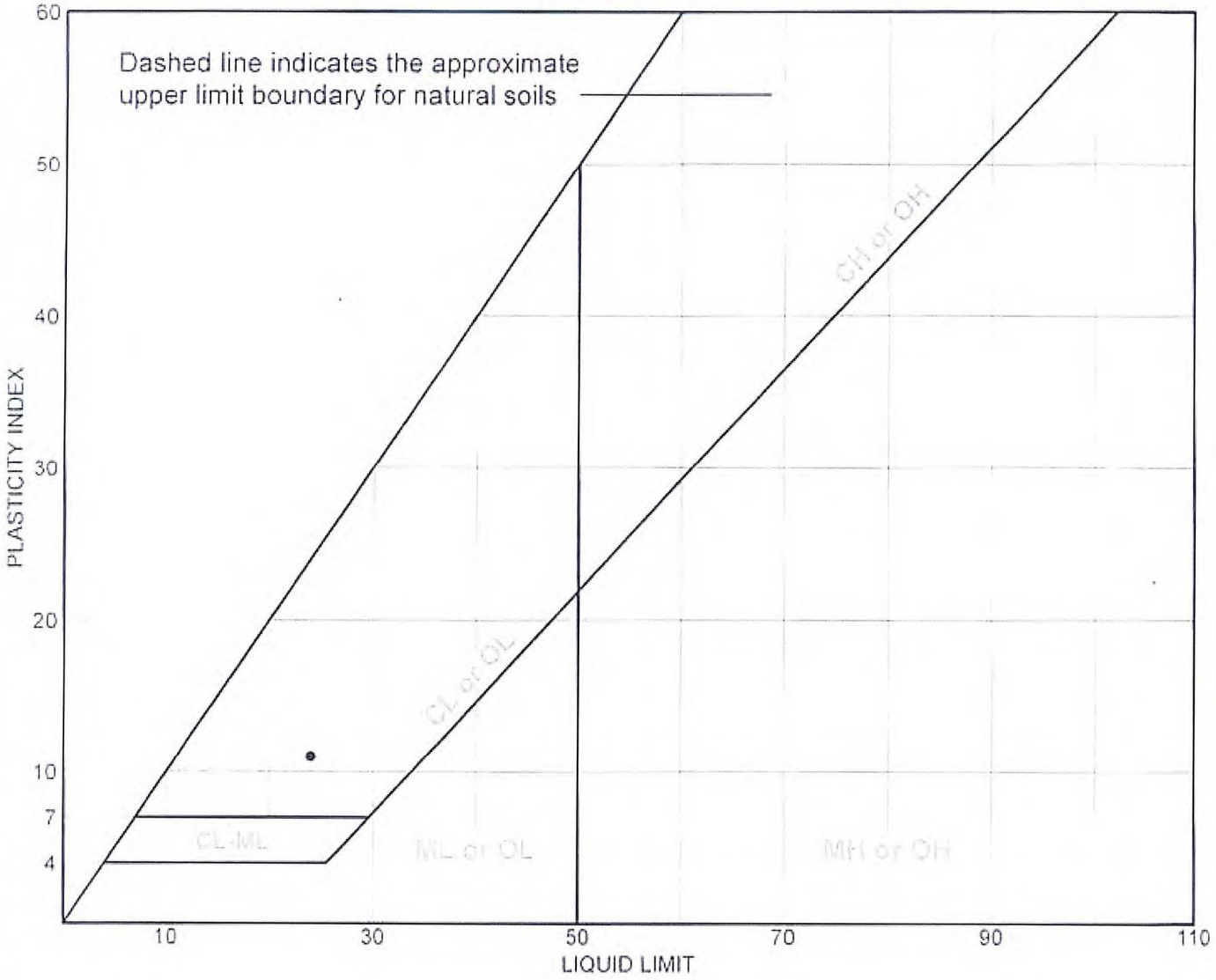
Value of Initial Water Content = 28.5 %
Value of Shrinkage Limit = 12
Value of Shrinkage Ratio = 1.98

ASTM C-136: Sieve Analysis of Fine and Coarse Aggregates

Sieve Size	*Percent Passing*
½"	100.0
⅜"	98.0
¼"	93.5
#4	91.4
#10	87.6
#20	84.5
#40	82.1
#100	75.7
#200	68.2

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

SJB SERVICES, INC. LIQUID AND PLASTIC LIMITS TEST REPORT



SOIL DATA

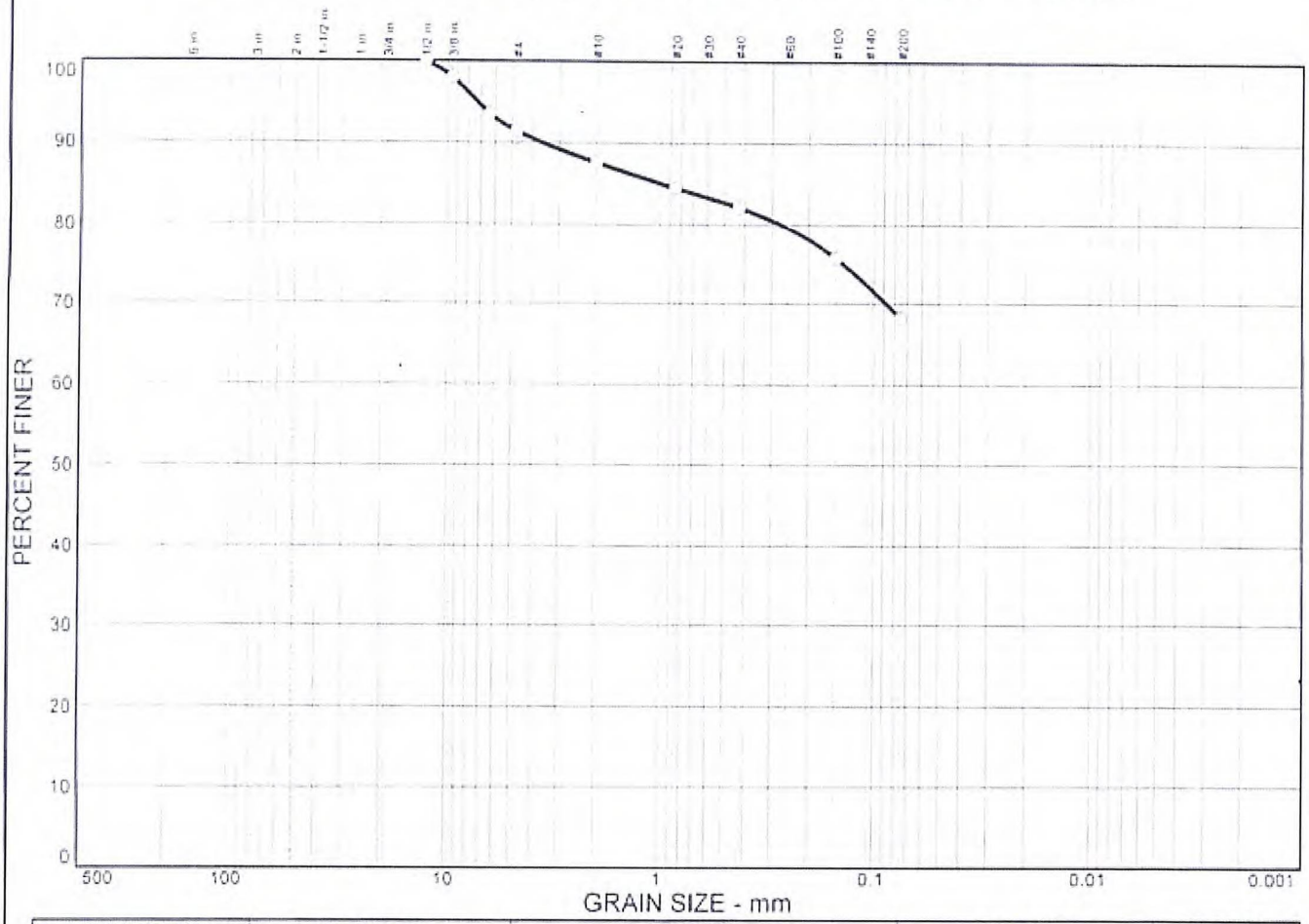
SYMBOL	SOURCE	SAMPLE NO.	DEPTH (ft.)	NATURAL WATER CONTENT (%)	PLASTIC LIMIT (%)	LIQUID LIMIT (%)	PLASTICITY INDEX (%)	USCS
●	B-12	S-3	4' - 6'	13.1 %	13	24	11	

SJB SERVICES, INC.

Client: MENSCH CAPITAL PARTNERS, LLC
Project: WESTWOOD COUNTRY CLUB DEVELOPMENT PROJECT
Project No.: BE-13-192

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

ASTM C-136: Particle Size Distribution Report



% COBBLES	% GRAVEL	% SAND	% SILT	% CLAY
0.0	8.6	23.2	68.2	

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
.5 in.	100.0		
.375 in.	98.0		
.25 in.	93.5		
#4	91.4		
#10	87.6		
#20	84.5		
#40	82.1		
#100	75.7		
#200	68.2		

* (no specification provided)

Soil Description

B-12, S-3: 4' - 6'

Atterberg Limits

PL= 13 LL= 24 PI= 11

Coefficients

D_{85}= 0.983 D_{60}= D_{50}=
D_{30}= D_{15}= D_{10}=
C_u= C_c=

Classification

USCS= AASHTO=

Remarks

SAMPLE NUMBER: 14-122

Sample No.: S-3 Source of Sample: B-12 Date: 2-14-14
Location: B-12, S-3: 4' - 6' Elev./Depth: 4' - 6'

SJB SERVICES, INC.

Client: MENSCH CAPITAL PARTNERS, LLC
Project: WESTWOOD COUNTRY CLUB DEVELOPMENT PROJECT
Project No: BE-13-192

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

SJB SERVICES, INC.
5167 South Park Avenue
Hamburg, NY 14075
Phone: (716) 649-8110
Fax: (716) 649-8051

Laboratory Test Report

PROJECT: Proposed Westwood Country Club Development Project

CLIENT: Mensch Capital Partners, LLC.

DATE: February 14, 2014

PROJECT NO.: BE-13-192
REPORT NO.: LTR-2

SAMPLE NUMBER: 14-123
SAMPLE LOCATION: B-31, S-6: 10' – 12'

ASTM D-2216: Laboratory Determination of Water (Moisture) Content of Soil & Rock
ASTM D-4318: Liquid Limit, Plastic Limit, and Plasticity Index of Soil

Moisture Content	Liquid Limit	Plastic Limit	Plasticity Index
10.7 %	23	13	10

ASTM D-427: Shrinkage Factors of Soils by the Mercury Method

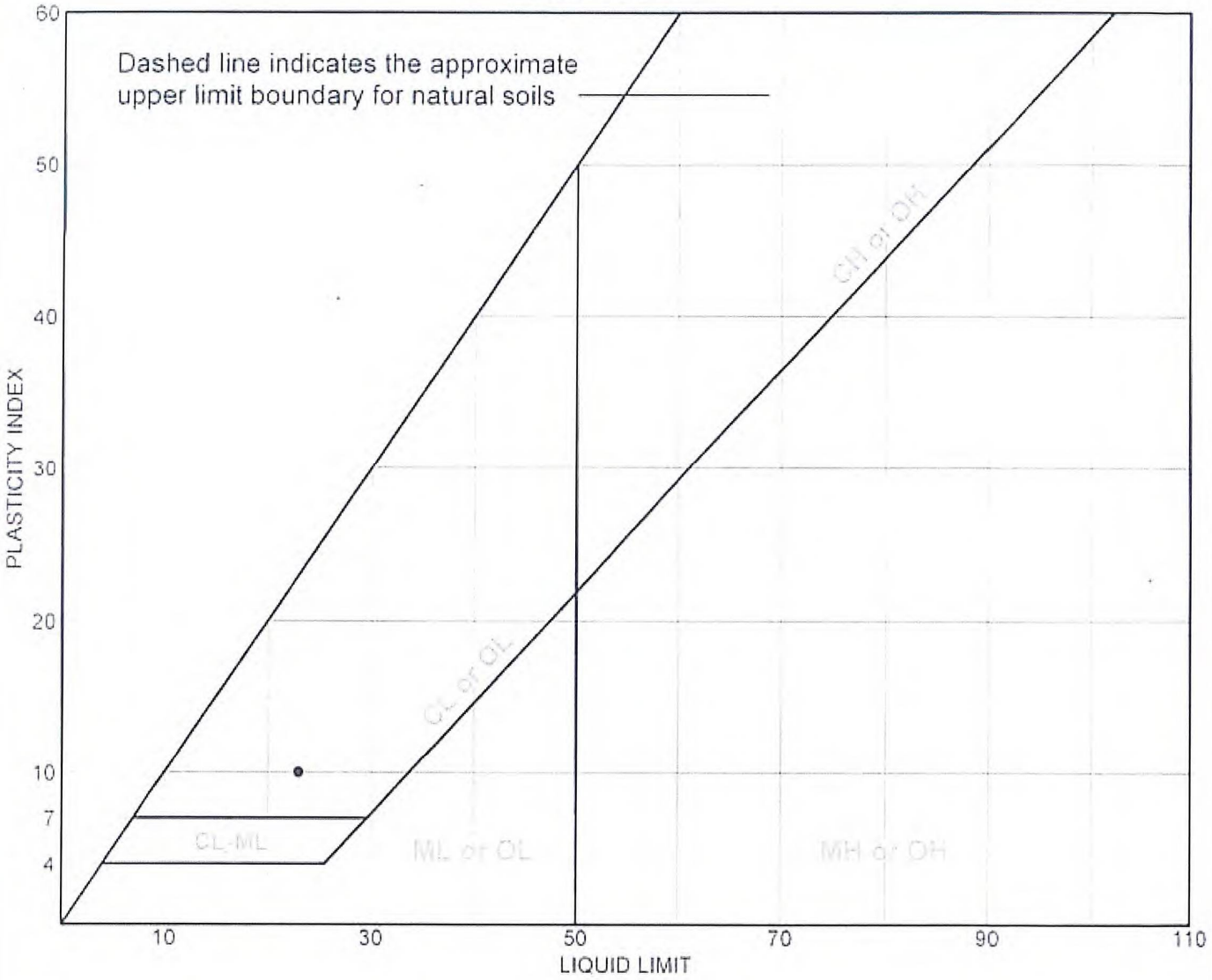
Value of Initial Water Content = 43.0 %
Value of Shrinkage Limit = 12
Value of Shrinkage Ratio = 1.94

ASTM C-136: Sieve Analysis of Fine and Coarse Aggregates

Sieve Size	*Percent Passing*
¾"	100.0
½"	96.5
⅜"	94.4
¼"	92.2
#4	90.9
#10	87.1
#20	84.5
#40	82.4
#100	76.4
#200	69.3

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

SJB SERVICES, INC. LIQUID AND PLASTIC LIMITS TEST REPORT



SOIL DATA

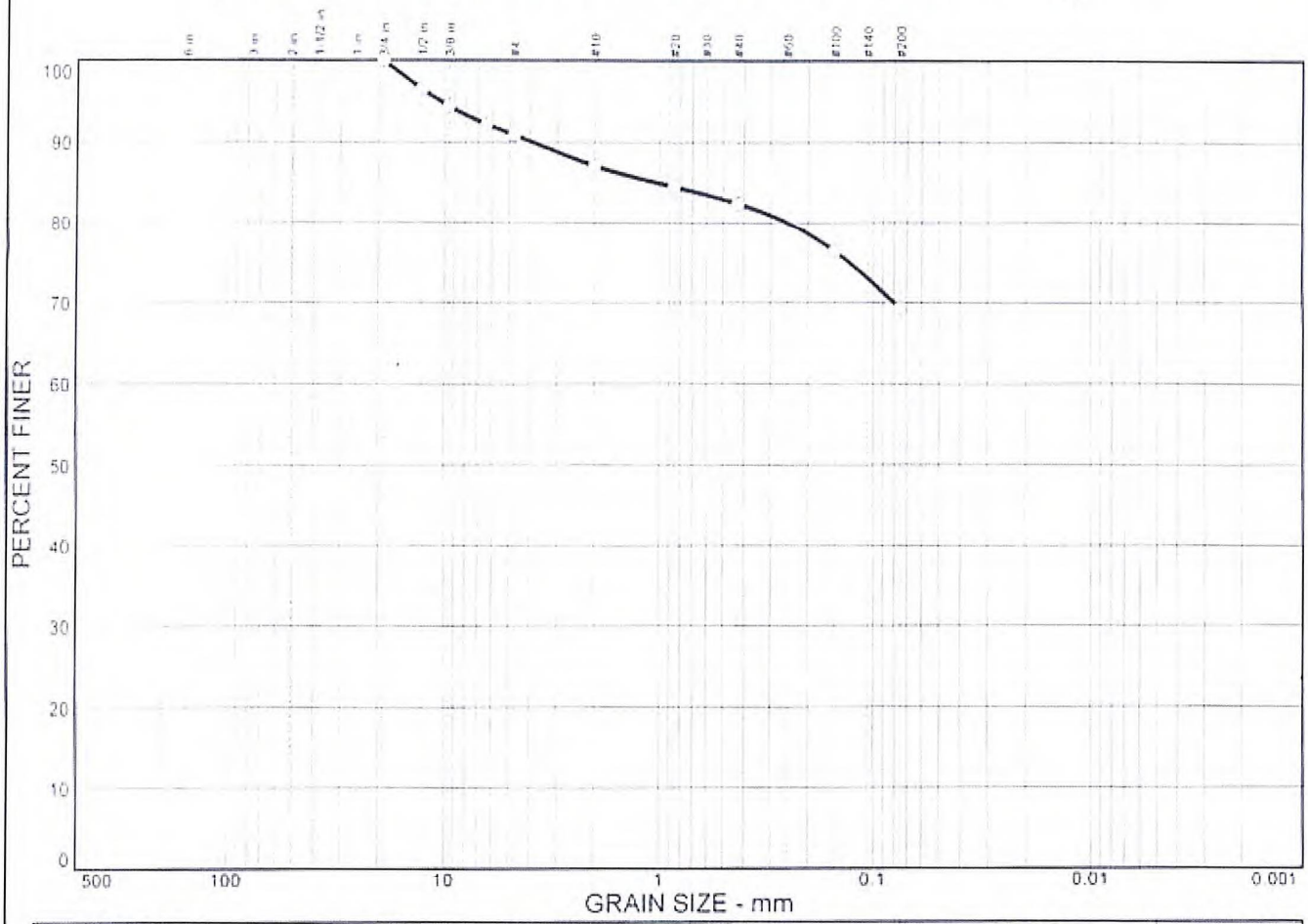
SYMBOL	SOURCE	SAMPLE NO.	DEPTH (ft.)	NATURAL WATER CONTENT (%)	PLASTIC LIMIT (%)	LIQUID LIMIT (%)	PLASTICITY INDEX (%)	USCS
●	B-31	S-6	10' - 12'	10.7 %	13	23	10	

SJB SERVICES, INC.

Client: MENSCH CAPITAL PARTNERS, LLC
Project: WESTWOOD COUNTRY CLUB DEVELOPMENT PROJECT
Project No.: BE-13-192

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

ASTM C-136: Particle Size Distribution Report



% COBBLES	% GRAVEL	% SAND	% SILT	% CLAY
0.0	9.1	21.6	69.3	

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
.75 in.	100.0		
.5 in.	96.5		
.375 in.	94.4		
.25 in.	92.2		
#4	90.9		
#10	87.1		
#20	84.5		
#40	82.4		
#100	76.4		
#200	69.3		

* (no specification provided)

Soil Description

B-31, S-6: 10' - 12'

Atterberg Limits

PL= 13 LL= 23 PI= 10

Coefficients

D_{85}= 1.02 D_{60}= D_{50}=
D_{30}= D_{15}= D_{10}=
C_u= C_c=

Classification

USCS= AASHTO=

Remarks

SAMPLE NUMBER: 14-123

Sample No.: S-6 Source of Sample: B-31 Date: 2-14-14
Location: B-31, S-6: 10' - 12' Elev./Depth: 10' - 12'

SJB SERVICES, INC.

Client: MENSCH CAPITAL PARTNERS, LLC
Project: WESTWOOD COUNTRY CLUB DEVELOPMENT PROJECT
Project No: BE-13-192

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

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Laboratory Test Report

PROJECT: Proposed Westwood Country Club Development Project

CLIENT: Mensch Capital Partners, LLC.

DATE: February 14, 2014

PROJECT NO.: BE-13-192
REPORT NO.: LTR-2

SAMPLE NUMBER: 14-124
SAMPLE LOCATION: B-38, S-2: 2' – 4'

ASTM D-2216: Laboratory Determination of Water (Moisture) Content of Soil &Rock
ASTM D-4318: Liquid Limit, Plastic Limit, and Plasticity Index of Soil

Moisture Content	Liquid Limit	Plastic Limit	Plasticity Index
21.3 %	44	20	24

ASTM D-427: Shrinkage Factors of Soils by the Mercury Method

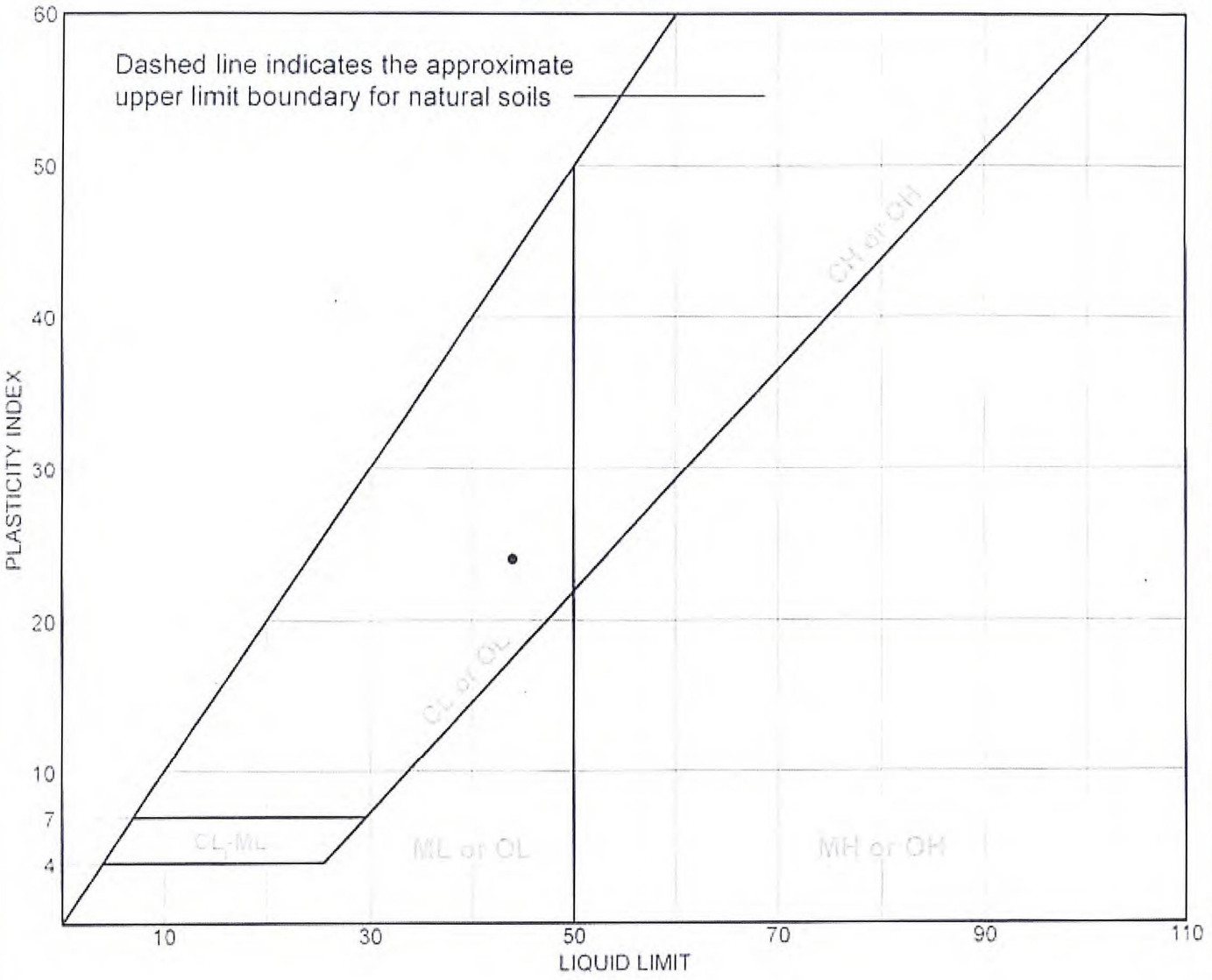
Value of Initial Water Content = 51.2 %
Value of Shrinkage Limit = 20
Value of Shrinkage Ratio = 1.64

ASTM C-136: Sieve Analysis of Fine and Coarse Aggregates

Sieve Size	*Percent Passing*
#4	100.0
#10	99.6
#20	99.2
#40	98.7
#100	97.3
#200	96.2

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

SJB SERVICES, INC. LIQUID AND PLASTIC LIMITS TEST REPORT



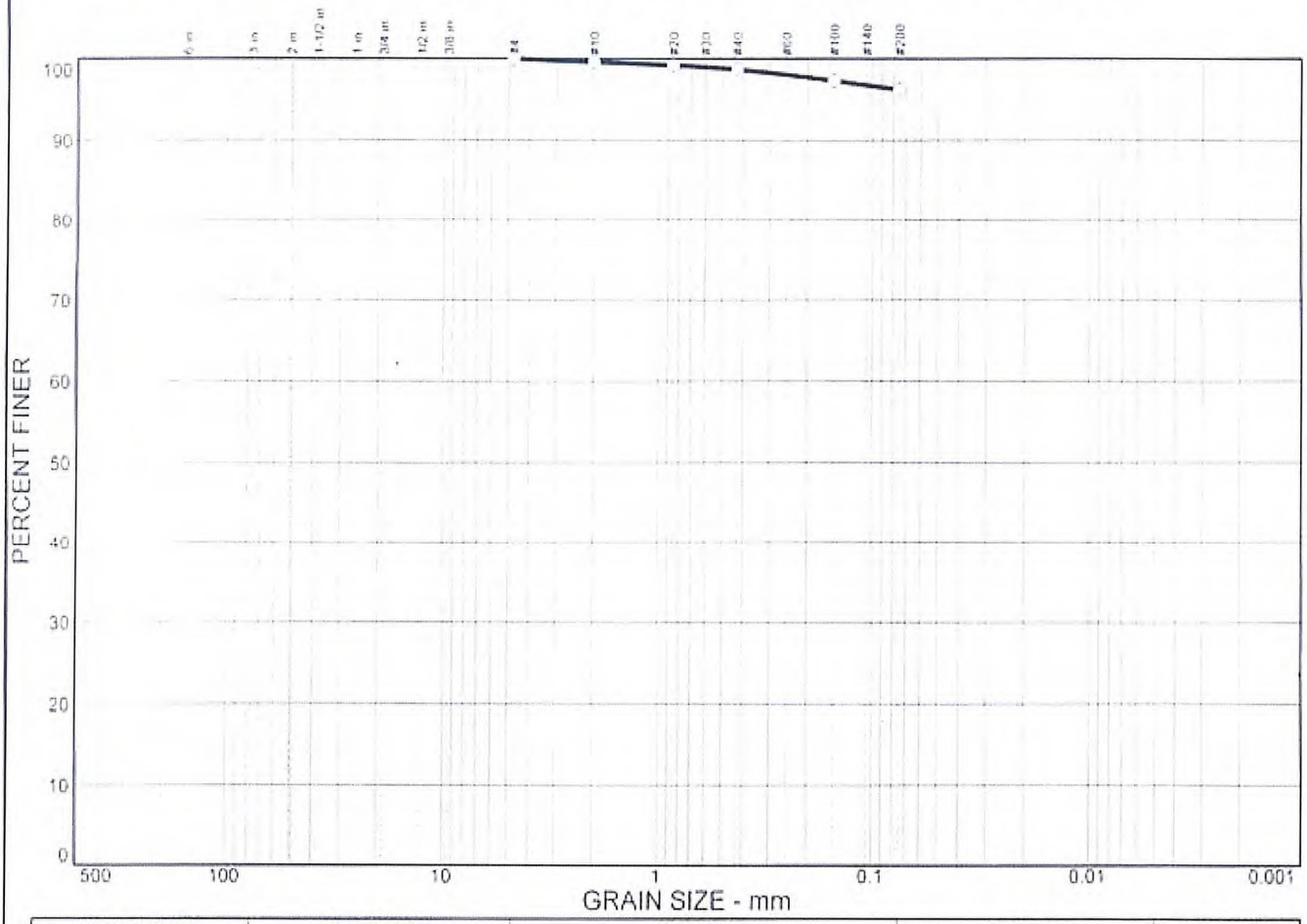
SOIL DATA								
SYMBOL	SOURCE	SAMPLE NO.	DEPTH (ft.)	NATURAL WATER CONTENT (%)	PLASTIC LIMIT (%)	LIQUID LIMIT (%)	PLASTICITY INDEX (%)	USCS
•	B-38	S-2	2' - 4'	21.3 %	20	44	24	

SJB SERVICES, INC.

Client: MENSCH CAPITAL PARTNERS, LLC
Project: WESTWOOD COUNTRY CLUB DEVELOPMENT PROJECT
Project No.: BE-13-192

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

ASTM C-136: Particle Size Distribution Report



% COBBLES	% GRAVEL	% SAND	% SILT	% CLAY
0.0	0.0	3.8	96.2	

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
#4	100.0		
#10	99.6		
#20	99.2		
#40	98.7		
#100	97.3		
#200	96.2		

* (no specification provided)

Soil Description

B-38, S-2: 2' - 4'

Atterberg Limits

PL= 20 LL= 44 PI= 24

Coefficients

D_{85}= D_{60}= D_{50}=
D_{30}= D_{15}= D_{10}=
C_u= C_c=

Classification

USCS= AASHTO=

Remarks

SAMPLE NUMBER: 14-124

Sample No.: S-2 Source of Sample: B-38 Date: 2-14-14
Location: B-38, S-2: 2' - 4' Elev./Depth: 2' - 4'

SJB SERVICES, INC.

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Project No: BE-13-192

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Laboratory Test Report

PROJECT: Proposed Westwood Country Club Development Project

CLIENT: Mensch Capital Partners, LLC.

DATE: February 14, 2014

PROJECT NO.: BE-13-192
REPORT NO.: LTR-2

SAMPLE NUMBER: 14-125
SAMPLE LOCATION: B-40, S-4; 6' – 8'

ASTM D-2216: Laboratory Determination of Water (Moisture) Content of Soil & Rock
ASTM D-4318: Liquid Limit, Plastic Limit, and Plasticity Index of Soil

Moisture Content	Liquid Limit	Plastic Limit	Plasticity Index
12.0 %	25	14	11

ASTM D-427: Shrinkage Factors of Soils by the Mercury Method

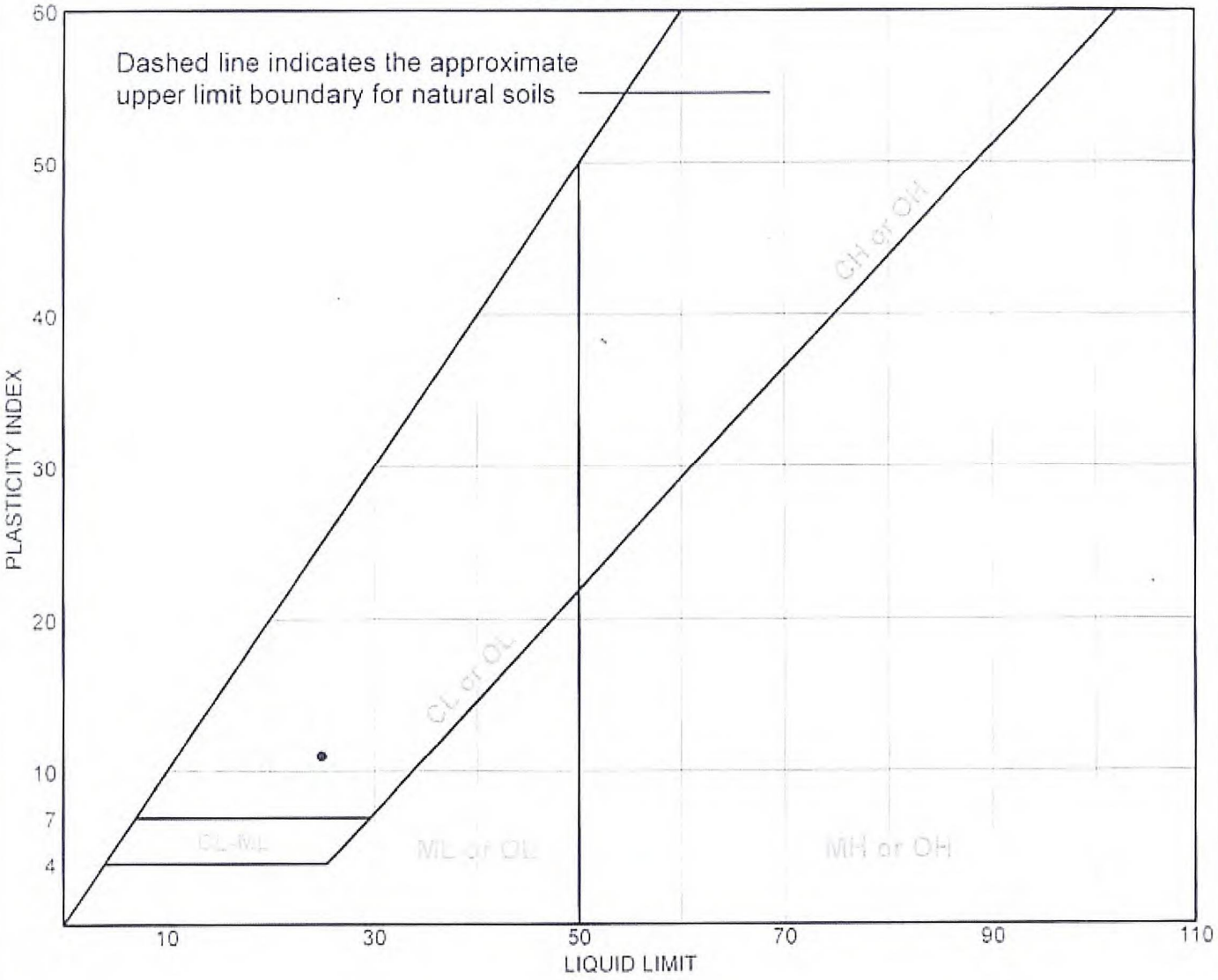
Value of Initial Water Content = 31.5 %
Value of Shrinkage Limit = 13
Value of Shrinkage Ratio = 1.95

ASTM C-136: Sieve Analysis of Fine and Coarse Aggregates

Sieve Size	*Percent Passing*
3/8"	100.0
¼"	98.8
#4	97.8
#10	95.8
#20	94.0
#40	92.6
#100	88.6
#200	83.0

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

SJB SERVICES, INC. LIQUID AND PLASTIC LIMITS TEST REPORT



SOIL DATA

SYMBOL	SOURCE	SAMPLE NO.	DEPTH (ft.)	NATURAL WATER CONTENT (%)	PLASTIC LIMIT (%)	LIQUID LIMIT (%)	PLASTICITY INDEX (%)	USCS
●	B-40	S-4	6' - 8'	12.0 %	14	25	11	

SJB SERVICES, INC.

Client: MENSCH CAPITAL PARTNERS, LLC
Project: WESTWOOD COUNTRY CLUB DEVELOPMENT PROJECT
Project No.: BE-13-192

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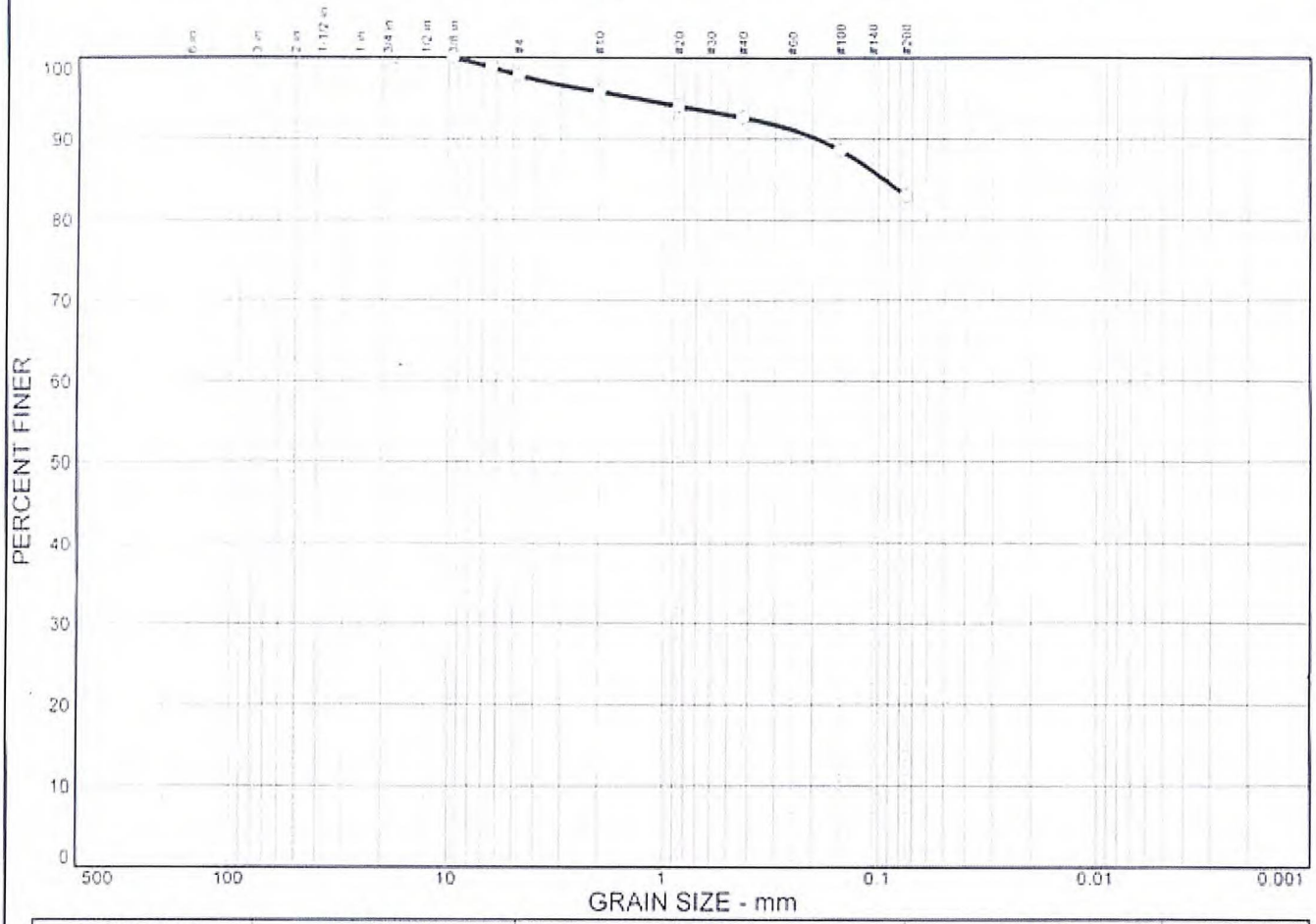
ASTM C-136: Particle Size Distribution Report



% COBBLES	% GRAVEL	% SAND	% SILT	% CLAY
0.0	2.2	14.8	83.0	

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
.375 in.	100.0		
.25 in.	98.8		
#4	97.8		
#10	95.8		
#20	94.0		
#40	92.6		
#100	88.6		
#200	83.0		

* (no specification provided)

Soil Description

B-40, S-4: 6' - 8'

Atterberg Limits

PL= 14 LL= 25 PI= 11

Coefficients

D_{85}= 0.0941 D_{60}= D_{50}=
D_{30}= D_{15}= D_{10}=
C_u= C_c=

Classification

USCS= AASHTO=

Remarks

SAMPLE NUMBER: 14-125

Sample No.: S-4 Source of Sample: B-40 Date: 2-14-14
Location: B-40, S-4: 6' - 8' Elev./Depth: 6' - 8'

SJB SERVICES, INC.

Client: MENSCH CAPITAL PARTNERS, LLC
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Laboratory Test Report

PROJECT: Proposed Westwood Country Club Development Project

CLIENT: Mensch Capital Partners, LLC.

DATE: February 14, 2014

PROJECT NO.: BE-13-192
REPORT NO.: LTR-2

SAMPLE NUMBER: 14-126
SAMPLE LOCATION: B-46, S-3: 4' – 6'

ASTM D-2216: Laboratory Determination of Water (Moisture) Content of Soil & Rock
ASTM D-4318: Liquid Limit, Plastic Limit, and Plasticity Index of Soil

Moisture Content	Liquid Limit	Plastic Limit	Plasticity Index
28.1 %	61	25	36

ASTM D-427: Shrinkage Factors of Soils by the Mercury Method

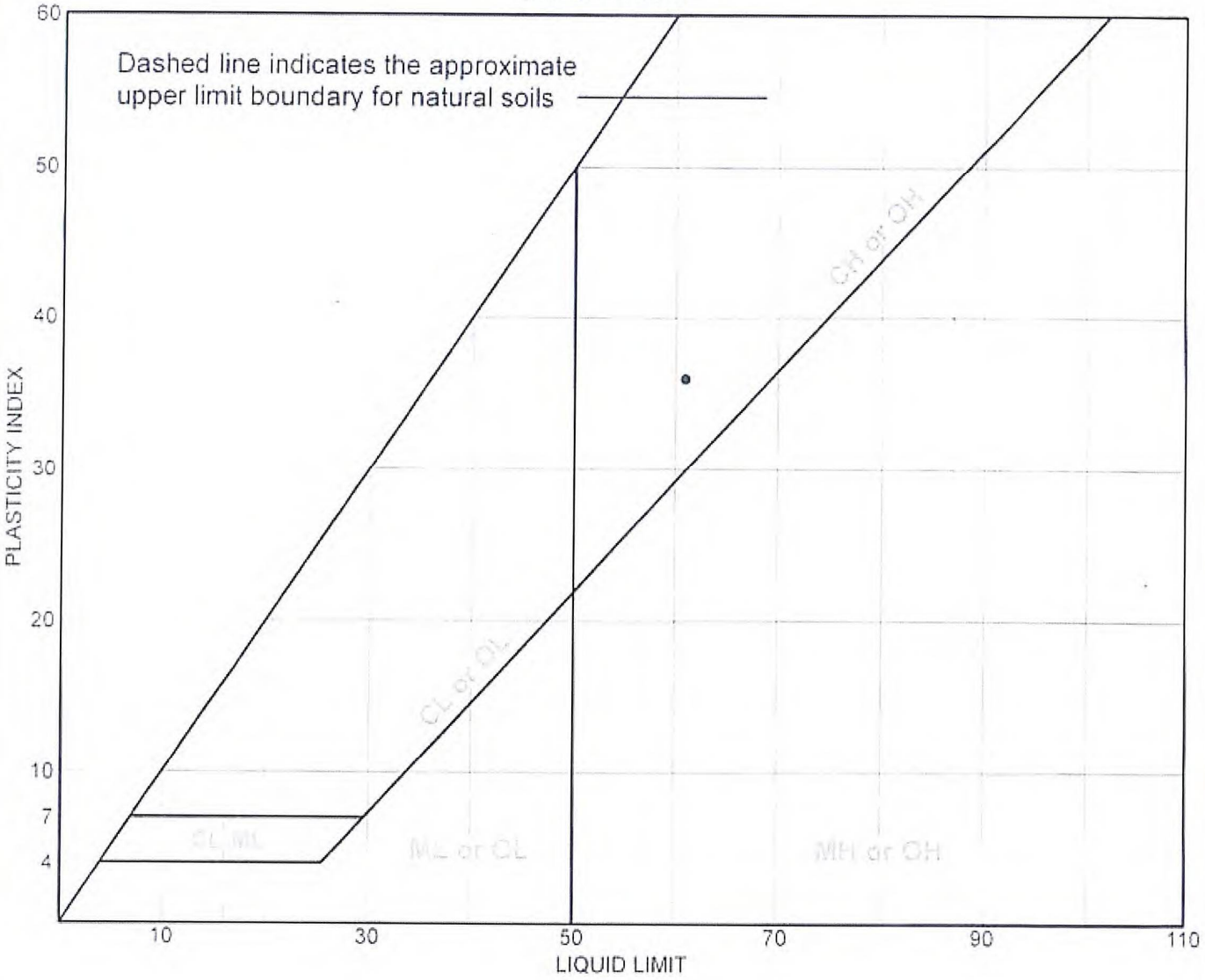
Value of Initial Water Content = 66.6 %
Value of Shrinkage Limit = 22
Value of Shrinkage Ratio = 1.65

ASTM C-136: Sieve Analysis of Fine and Coarse Aggregates

Sieve Size	*Percent Passing*
#4	100.0
#10	99.9
#20	99.9
#40	99.7
#100	99.4
#200	99.2

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

SJB SERVICES, INC. LIQUID AND PLASTIC LIMITS TEST REPORT



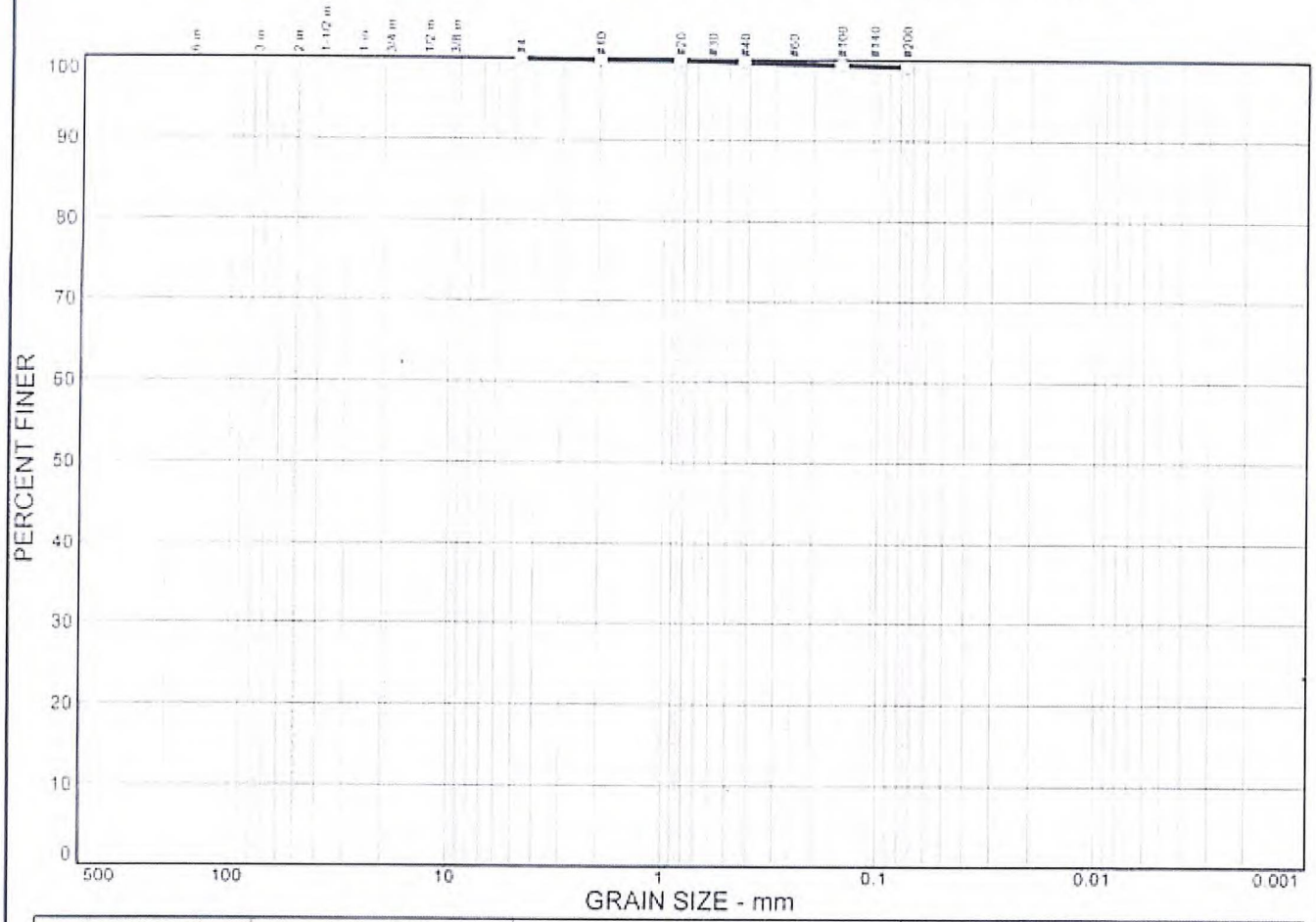
SOIL DATA								
SYMBOL	SOURCE	SAMPLE NO.	DEPTH (ft.)	NATURAL WATER CONTENT (%)	PLASTIC LIMIT (%)	LIQUID LIMIT (%)	PLASTICITY INDEX (%)	USCS
●	B-46	S-3	4' - 6'	28.1 %	25	61	36	

SJB SERVICES, INC.

Client: MENSCH CAPITAL PARTNERS, LLC
Project: WESTWOOD COUNTRY CLUB DEVELOPMENT PROJECT
Project No.: BE-13-192

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

ASTM C-136: Particle Size Distribution Report



% COBBLES	% GRAVEL	% SAND	% SILT	% CLAY
0.0	0.0	0.8	99.2	

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
#4	100.0		
#10	99.9		
#20	99.9		
#40	99.7		
#100	99.4		
#200	99.2		

* (no specification provided)

Soil Description

B-46, S-3: 4' - 6'

Atterberg Limits

PL= 25 LL= 61 PI= 36

Coefficients

D_{85}= D_{60}= D_{50}=
D_{30}= D_{15}= D_{10}=
C_u= C_c=

Classification

USCS= AASHTO=

Remarks

SAMPLE NUMBER: 14-126

Sample No.: S-3 Source of Sample: B-46 Date: 2-14-14
Location: B-46, S-3: 4' - 6' Elev./Depth: 4' - 6'

SJB SERVICES, INC.

Client: MENSCH CAPITAL PARTNERS, LLC
Project: WESTWOOD COUNTRY CLUB DEVELOPMENT PROJECT
Project No: BE-13-192

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Laboratory Test Report

PROJECT: Proposed Westwood Country Club Development Project

CLIENT: Mensch Capital Partners, LLC.

DATE: February 14, 2014

PROJECT NO.: BE-13-192
REPORT NO.: LTR-2

SAMPLE NUMBER: 14-127
SAMPLE LOCATION: B-48, S-5: 8' – 10'

ASTM D-2216: Laboratory Determination of Water (Moisture) Content of Soil & Rock
ASTM D-4318: Liquid Limit, Plastic Limit, and Plasticity Index of Soil

Moisture Content	Liquid Limit	Plastic Limit	Plasticity Index
11.8 %	23	13	10

ASTM D-427: Shrinkage Factors of Soils by the Mercury Method

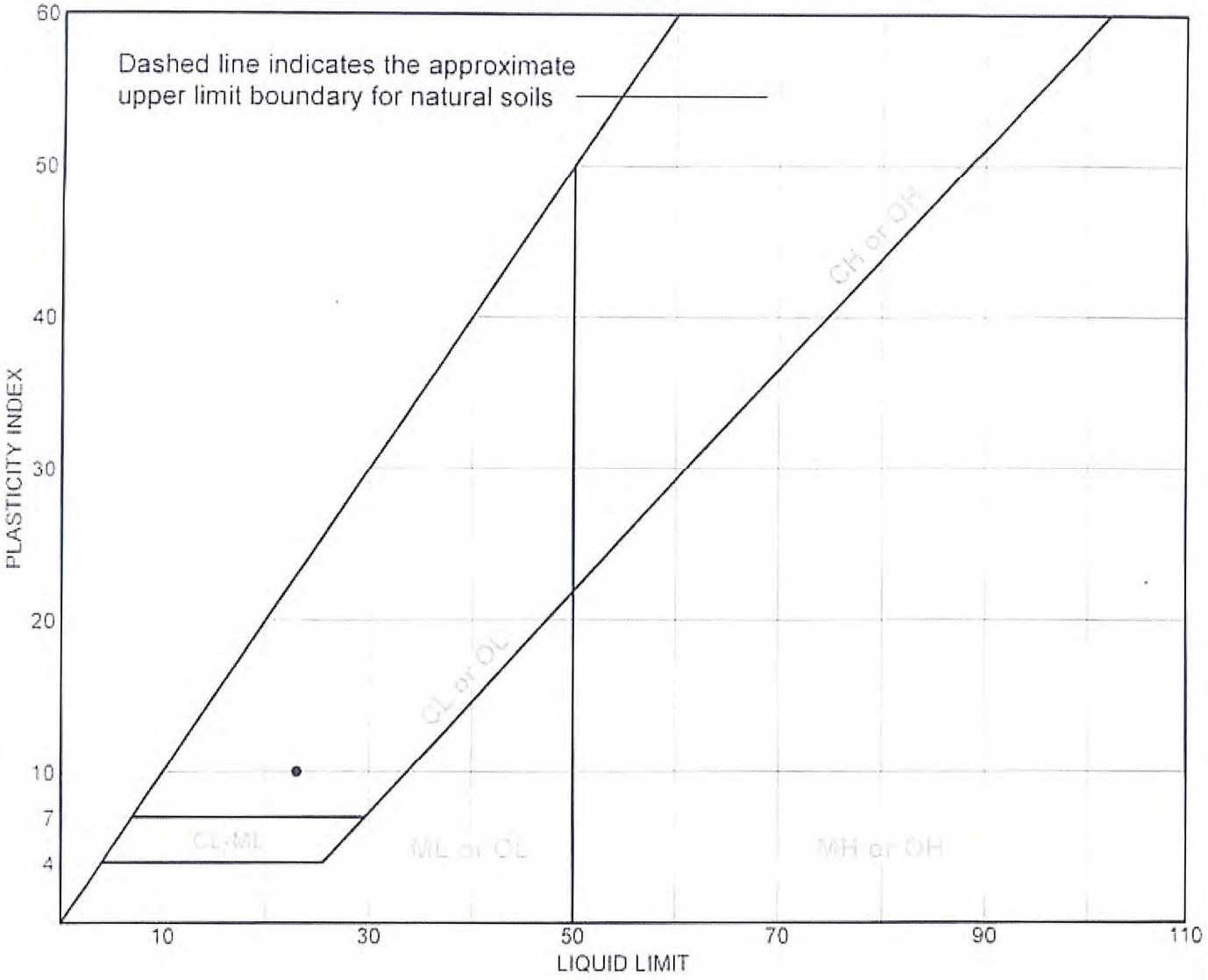
Value of Initial Water Content = 34.4 %
Value of Shrinkage Limit = 14
Value of Shrinkage Ratio = 1.94

ASTM C-136: Sieve Analysis of Fine and Coarse Aggregates

Sieve Size	*Percent Passing*
3/8"	100.0
¼"	97.9
#4	96.2
#10	93.0
#20	90.5
#40	88.5
#100	83.5
#200	77.1

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

SJB SERVICES, INC. LIQUID AND PLASTIC LIMITS TEST REPORT



SOIL DATA								
SYMBOL	SOURCE	SAMPLE NO.	DEPTH (ft.)	NATURAL WATER CONTENT (%)	PLASTIC LIMIT (%)	LIQUID LIMIT (%)	PLASTICITY INDEX (%)	USCS
•	B-48	S-5	8' - 10'	11.8 %	13	23	10	

SJB SERVICES, INC.

Client: MENSCH CAPITAL PARTNERS, LLC
Project: WESTWOOD COUNTRY CLUB DEVELOPMENT PROJECT
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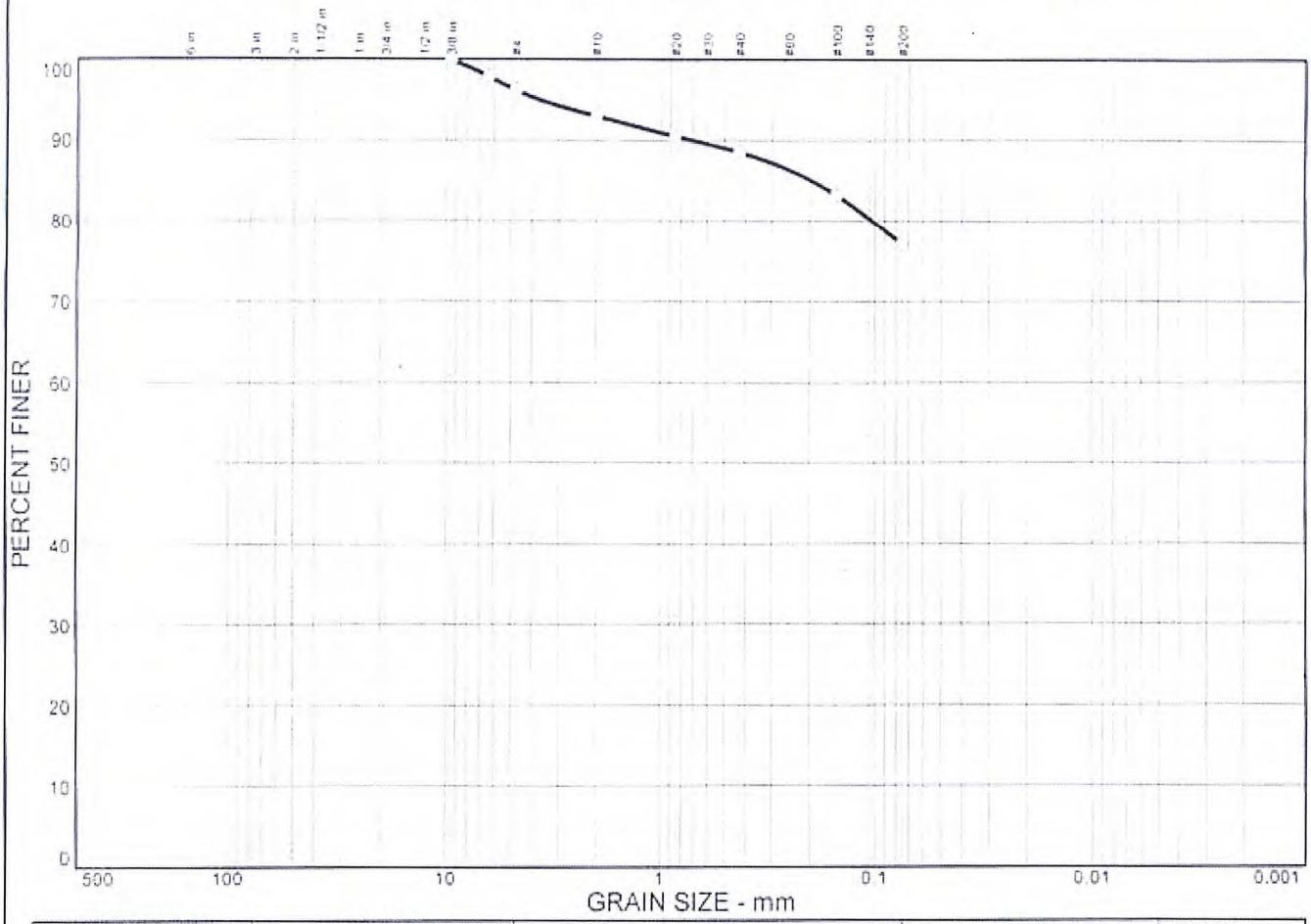
Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

ASTM C-136: Particle Size Distribution Report



% COBBLES	% GRAVEL	% SAND	% SILT	% CLAY
0.0	3.8	19.1	77.1	

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
.375 in.	100.0		
.25 in.	97.9		
#4	96.2		
#10	93.0		
#20	90.5		
#40	88.5		
#100	83.2		
#200	77.1		

* (no specification provided)

Soil Description

B-48, S-5: 8' - 10'

Atterberg Limits

PL= 13 LL= 23 PI= 10

Coefficients

D_{85}= 0.196 D_{60}= D_{50}=
D_{30}= D_{15}= D_{10}=
C_u= C_c=

Classification

USCS= AASHTO=

Remarks

SAMPLE NUMBER: 14-128

Sample No.: S-5 Source of Sample: B-48 Date: 2-14-14
Location: B-48, S-5: 8' - 10' Elev./Depth: 8' - 10'

SJB SERVICES, INC.

Client: MENSCH CAPITAL PARTNERS, LLC
Project: WESTWOOD COUNTRY CLUB DEVELOPMENT PROJECT
Project No: BE-13-192

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Contract
Drilling
and
Testing

SJB SERVICES, INC.

Rochester Office
535 Summit Point Drive
Henrietta, NY 14467
Phone: 585-359-2730
Fax: 585-359-9668

Summary of Laboratory Testing

Project:	Westwood Country Club Development Project	Date:	02-03-2014
Client:	Mensch Capital Partners		
Project Number:	BE-13-192		

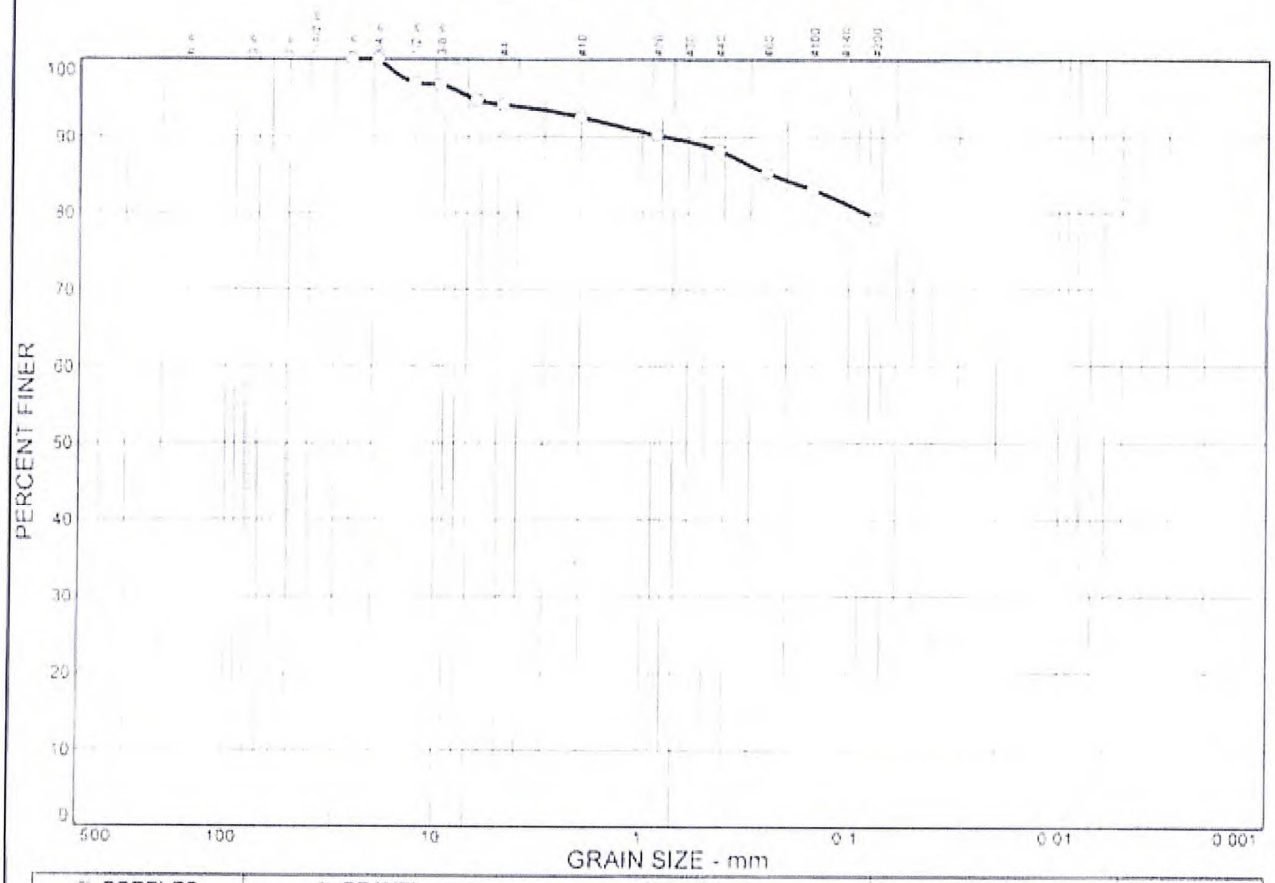
Lab Id#	Location	Depth (ft)	Moisture Content (%)
14-035	B-6, S-2	2 – 4	4.5
14-036	B-6, S-3	4 – 6	11.3
14-037	B-6, S-4	6 – 8	10.3
14-042	B-34, S-2	2 – 4	6.1
14-043	B-34, S-3	4 – 6	5.9
14-044	B-34, S-4	6 – 8	12.0
14-045	B-34, S-5	8 – 10	10.1

SJB Laboratory Technician: William Gilmore

Respectfully submitted:
SJB Services, Inc.

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Particle Size Distribution Report



% COBBLES	% GRAVEL	% SAND	% SILT	% CLAY
0.0	5.8	14.9	79.3	

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
1 in.	100.0		
3/4 in.	100.0		
1/2 in.	97.0		
3/8 in.	96.7		
1/4 in.	94.8		
#4	94.2		
#10	92.6		
#20	90.2		
#40	88.2		
#60	85.2		
#100	83.0		
#200	79.3		

* (no specification provided)

Soil Description

Fines, Little Sand, Trace Gravel

Atterberg Limits

PL= LL= PI=

Coefficients

D_{85}= 0.240 D_{60}= D_{50}=
D_{30}= D_{15}= D_{10}=
C_u= C_c=

Classification

USCS= AASHTO=

Remarks

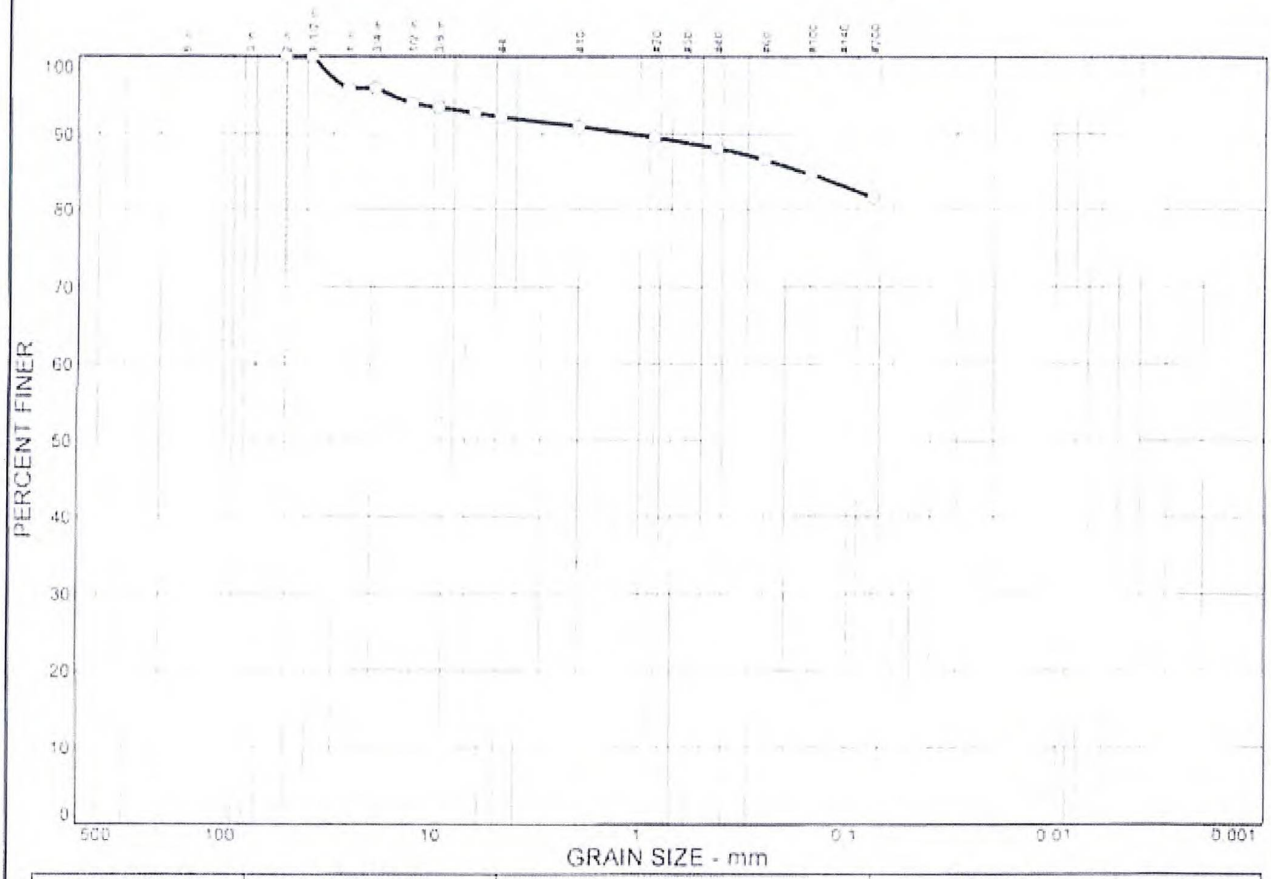
Sample No.: 14-038 Source of Sample: B-6 Date: 02-03-2014
Location: B-6 Elev./Depth: 2' - 8'

SJB SERVICES, INC.

Client: Mensch Capital Partners
Project: Westwood Country Club development Project
Project No: BE-13-192 Plate 14-038

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Particle Size Distribution Report



% COBBLES	% GRAVEL	% SAND	% SILT	% CLAY
0.0	7.8	10.7	81.5	

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
2 in.	100.0		
1.5 in.	100.0		
1 in.	95.9		
3/4 in.	95.9		
1/2 in.	94.0		
3/8 in.	93.4		
1/4 in.	92.7		
#4	92.2		
#10	91.0		
#20	89.5		
#40	88.1		
#60	86.6		
#100	84.6		
#200	81.5		

* (no specification provided)

Soil Description

Fines, Trace Sand, Trace Gravel

Atterberg Limits

PL= LL= PI=

Coefficients

D_{85}= 0.165 D_{60}= D_{50}=
D_{30}= D_{15}= D_{10}=
C_u= C_c=

Classification

USCS= AASHTO=

Remarks

Sample No.: 14-046 Source of Sample: B-34 Date: 02-03-2014
Location: B-34 Elev./Depth: 2' - 10'

SJB SERVICES, INC.

Client: Mensch Capital Partners
Project: Westwood Country Club development Project
Project No: BE-13-192 Plate 14-046

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Rochester Office
535 Summit Point Drive
Henrietta, NY 14467

LABORATORY D.I.P.R.A. TESTS

Project: Westwood Country Club

Town /City: N/A

Client: Mensch Capital Partners

Technician: William Gilmore

Project Number: BE-13-192

Date: 02-03-2014

Summary of Laboratory Analysis Soil

Lab ID:	Location:	Resistivity (Ohm-cm)	Redox (mv)	PH	Sulfides (+,T,-)	% Moisture Content (wet, moist, dry)	TOTAL POINTS
		Points	*Points*	*Points*	*Points*	*Points*	
14-038	B-6 Composite Depth = 2' – 8'	*15.000*	*-35.2*	*6.95*	-	*Moist (9.5%)*	6
		0	*5*	*0*	*0*	*1*	
14-046	B-34 Composite Depth = 2' – 10'	*11.500*	*-22.6*	*6.35*	-	*Moist (8.9%)*	6
		0	*5*	*0*	*0*	*1*	

Per the Ductile Iron Pipe Research Association (DIPRA), point totals 10 or greater should be considered for Cathodic Protection.

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Contract
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and
Testing

SJB SERVICES, INC.

Rochester Office
535 Summit Point Drive
Henrietta, NY 14467
Phone: 585-359-2730
Fax: 585-359-9668

Summary of Laboratory Testing

Project:	Westwood Country Club Development Project	Date:	02-03-2014
Client:	Mensch Capital Project		
Project Number:	BE-13-192		

Lab#	Location	Depth (Feet)	Chlorides (ppm)	Sulfates (ppm)
14-038	B-6 Composite	2 – 8	15	ND
14-046	B-34 Composite	2 –10	10	ND

SJB Laboratory Technician: William Gilmore

Respectfully submitted:
SJB Services, Inc.

Chuck Guzzetta
District Manager

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

SJB SERVICES, INC.
Contract Drilling and Testing

Rochester Office
535 Summit Point Drive
Henrietta, NY 14467
Phone: 585-359-2730
Fax: 585-359-9668

Summary of Laboratory Testing

Project: Proposed Westwood Country Club Development Project **Date:** 02-24-2014
Client: Mensch Capital Partners, LLC
Project Number:

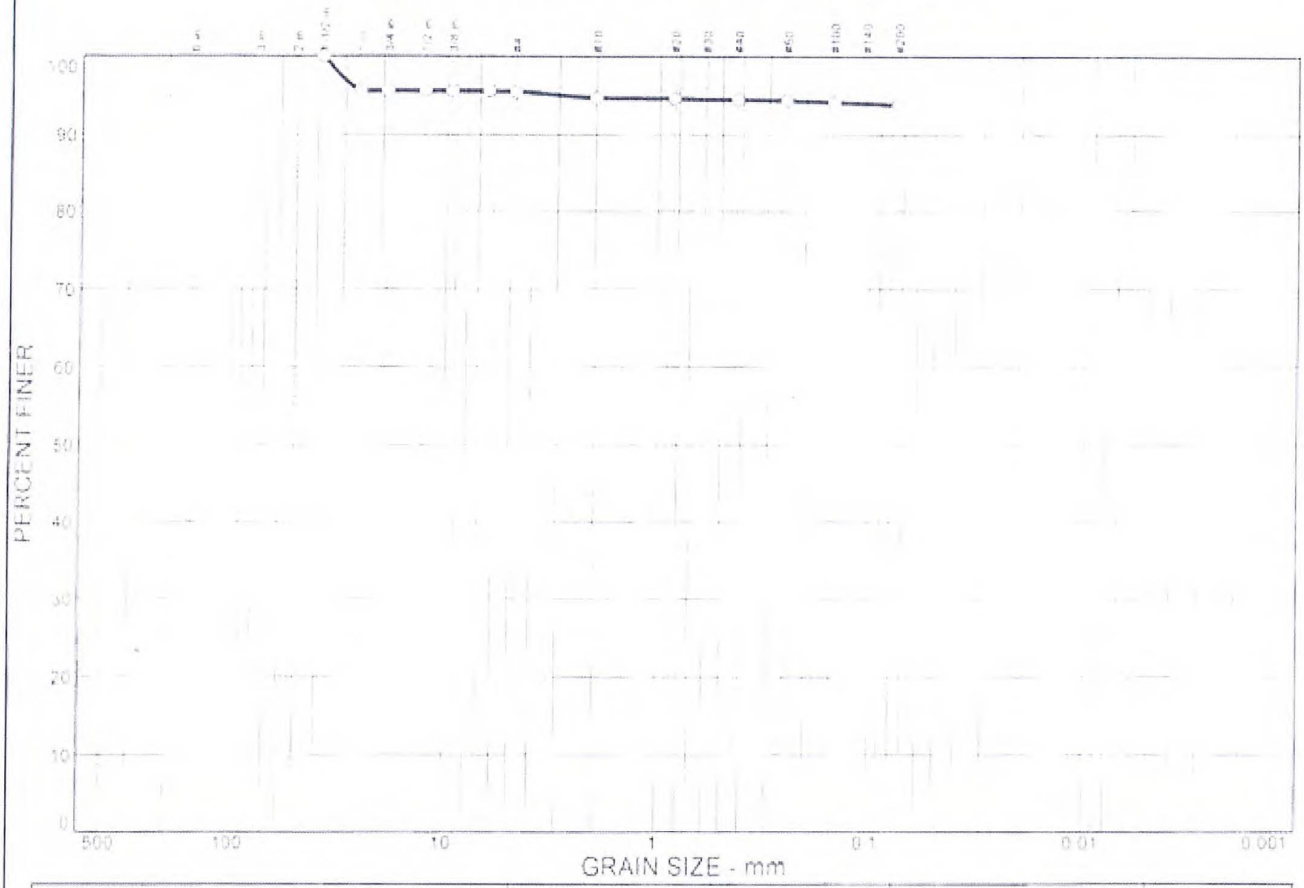
Lab Id#	Location	Depth (ft)	Moisture Content (%)
14-121	B-45	2 – 4	23.1
14-122	B-45	4 – 6	23.4
14-123	B-45	6 – 8	28.6
14-124	B-45	8 – 10	20.2
14-125	B-45	2 – 10	23.9

SJB Laboratory Technician: William Gilmore

Respectfully submitted:
SJB Services, Inc.

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Particle Size Distribution Report



% COBBLES	% GRAVEL	% SAND	% SILT	% CLAY
0.0	4.5	1.7	93.8	

SIEVE SIZE	PERCENT FINER	SPEC * PERCENT	PASS? (X=NO)
1.5 in	100.0		
1 in	95.6		
3/4 in	95.6		
1/2 in	95.6		
3/8 in	95.6		
1/4 in	95.6		
#4	95.5		
#10	94.7		
#20	94.6		
#40	94.5		
#60	94.4		
#100	94.2		
#200	93.8		

* (no specification provided)

Soil Description

Fines, Trace Gravel, Trace Sand

Atterberg Limits

PL= LL= PI=

Coefficients

D_{85}= D_{60}= D_{50}=
D_{30}= D_{15}= D_{10}=
C_u= C_c=

Classification

USCS= AASHTO=

Remarks

Sample No.: 14-125 Source of Sample: B-45 Composite Date: 02-24-2014
Location: B-45 Composite Elev./Depth: 2' - 10'

SJB SERVICES, INC.

Client: Mensch Capital Partners
Project: Westwood Country Club development Project
Project No: BE-13-192 Plate 14-125

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Rochester Office
535 Summit Point Drive
Henrietta, NY 14467

LABORATORY D.I.P.R.A. TESTS

Project: Westwood Country Club

Project Number: BE-13-192

Town /City: N/A

Date: 02-24-2014

Client: Mensch Capital Partners

Technician: William Gilmore

Summary of Laboratory Analysis Soil

Lab ID:	Location:	Resistivity (Ohm-cm)	Redox (mv)	PH	Sulfides (+,T,-)	% Moisture Content (wet, moist, dry)	TOTAL POINTS
		Points	*Points*	*Points*	*Points*	*Points*	
14-125	B-45 Composite Depth = 2' – 10'	*2,700*	*9.0*	*7.55*	-	*Wet (23.9%)*	7
		1	*4*	*0*	*0*	*2*	

Per the Ductile Iron Pipe Research Association (DIPRA), point totals 10 or greater should be considered for Cathodic Protection.

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

SJB SERVICES, INC.
Contract Drilling and Testing

Rochester Office
535 Summit Point Drive
Henrietta, NY 14467
Phone: 585-359-2730
Fax: 585-359-9668

Summary of Laboratory Testing

Project:	Westwood Country Club Development Project	Date:	02-24-2014
Client:	Mensch Capital Project		
Project Number:	BE-13-192		

Lab#	Location	Depth (Feet)	Chlorides (ppm)	Sulfates (ppm)
14-125	B-6 Composite	2 –10	18	ND

SJB Laboratory Technician: William Gilmore

Respectfully submitted:
SJB Services, Inc.

Chuck Guzzetta
District Manager

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

APPENDIX C

EXISTING SITE INFORMATION

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

APPENDIX C1

SOIL SURVEY INFORMATION

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Unified Soil Classification (Surface)—Erie County, New York
(Westwood Country Club)



Map Scale: 1:8,660 if printed on A portrait (8.5" x 11") sheet.

Meters: 0 100 200 400 600

Feet: 0 400 800 1600 2400

Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 17N WGS84

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

MAP LEGEND

Area of Interest (AOI)
- Area of Interest (AOI)

Soils

Soil Rating Polygons
- CH
- CL
- CL-A (proposed)
- CL-K (proposed)
- CL-ML
- CL-O (proposed)
- CL-T (proposed)
- GC
- GC-GM
- GM
- GP
- GP-GC
- GP-GM
- GW
- GW-GC
- GW-GM
- MH
- MH-A (proposed)
- MH-K (proposed)
- MH-O (proposed)
- MH-T (proposed)
- ML
- ML-A (proposed)
- ML-K (proposed)
- ML-O (proposed)
- ML-T (proposed)
- OH
- OH-T (proposed)
- OL
- PT
- SC
- SC-SM
- SM
- SP
- SP-SC
- SP-SM
- SW
- SW-SC
- SW-SM
- Not rated or not available

Soil Rating Lines
- CH
- CL
- CL-A (proposed)
- CL-K (proposed)
- CL-ML
- CL-O (proposed)
- CL-T (proposed)
- GC
- GC-GM
- GM
- GP
- GP-GC
- GP-GM
- GW
- GW-GC
- GW-GM
- MH
- MH-A (proposed)
- MH-K (proposed)
- MH-O (proposed)
- MH-T (proposed)
- ML
- ML-A (proposed)
- ML-K (proposed)
- ML-O (proposed)
- ML-T (proposed)
- OH
- OH-T (proposed)
- OL
- PT
- SC
- SC-SM
- SM
- SP
- SP-SC
- SP-SM
- SW
- SW-SC
- SW-SM
- Not rated or not available

Soil Rating Points
- CH
- CL
- CL-A (proposed)
- CL-K (proposed)
- CL-ML
- CL-O (proposed)
- CL-T (proposed)
- GC
- GC-GM
- GM
- GP
- GP-GC
- GP-GM
- GW
- GW-GC
- GW-GM
- MH
- MH-A (proposed)
- MH-K (proposed)
- MH-O (proposed)
- MH-T (proposed)
- ML
- ML-A (proposed)
- ML-K (proposed)
- ML-O (proposed)
- ML-T (proposed)
- OH
- OH-T (proposed)
- OL
- PT
- SC
- SC-SM
- SM
- SP
- SP-SC
- SP-SM
- SW
- SW-SC
- SW-SM
- Not rated or not available

Water Features
- Streams and Canals

Transportation
- Rails

Packet Pg. 829
1.a
Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

MAP INFORMATION

- Interstate Highways
- US Routes
- Major Roads
- Local Roads

Background

- Aerial Photography

The soil surveys that comprise your AOI were mapped at 1:15,800.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL: http://websoilsurvey.nrcs.usda.gov
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 11, Dec 1, 2011

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Jun 2, 2010—Jul 1, 2011

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.

Packet Pg. 830
1.a
Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Unified Soil Classification (Surface)

Unified Soil Classification (Surface)— Summary by Map Unit — Erie County, New York (NY029)				
Map unit symbol	Map unit name	Rating	Acres in AOI	Percent of AOI
CrA	Claverack loamy fine sand, 0 to 3 percent slopes	SM	36.1	14.9%
Cv	Cosad loamy fine sand	SM	25.9	10.7%
La	Lakemont silt loam	CL	8.2	3.4%
Od	Odessa silt loam	ML	77.6	32.0%
SaA	Schoharie silt loam, 0 to 3 percent slopes	CL	7.4	3.1%
SaB	Schoharie silt loam, 3 to 8 percent slopes	CL	41.8	17.2%
Sw	Swormville clay loam	CL	8.2	3.4%
Te	Teel silt loam	CL	15.4	6.3%
Ut	Urban land-Odessa complex		13.4	5.5%
W	Water		2.9	1.2%
Wd	Wayland silt loam	ML	5.9	2.4%
Totals for Area of Interest			**242.8**	**100.0%**

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Description

The Unified soil classification system classifies mineral and organic mineral soils for engineering purposes on the basis of particle-size characteristics, liquid limit, and plasticity index. It identifies three major soil divisions: (i) coarse-grained soils having less than 50 percent, by weight, particles smaller than 0.074 mm in diameter; (ii) fine-grained soils having 50 percent or more, by weight, particles smaller than 0.074 mm in diameter; and (iii) highly organic soils that demonstrate certain organic characteristics. These divisions are further subdivided into a total of 15 basic soil groups. The major soil divisions and basic soil groups are determined on the basis of estimated or measured values for grain-size distribution and Atterberg limits. ASTM D 2487 shows the criteria chart used for classifying soil in the Unified system and the 15 basic soil groups of the system and the plasticity chart for the Unified system.

The various groupings of this classification correlate in a general way with the engineering behavior of soils. This correlation provides a useful first step in any field or laboratory investigation for engineering purposes. It can serve to make some general interpretations relating to probable performance of the soil for engineering uses.

For each soil horizon in the database one or more Unified soil classifications may be listed. One is marked as the representative or most commonly occurring. The representative classification is shown here for the surface layer of the soil.

Rating Options

Aggregation Method: Dominant Condition

Component Percent Cutoff: *None Specified*

Tie-break Rule: Lower

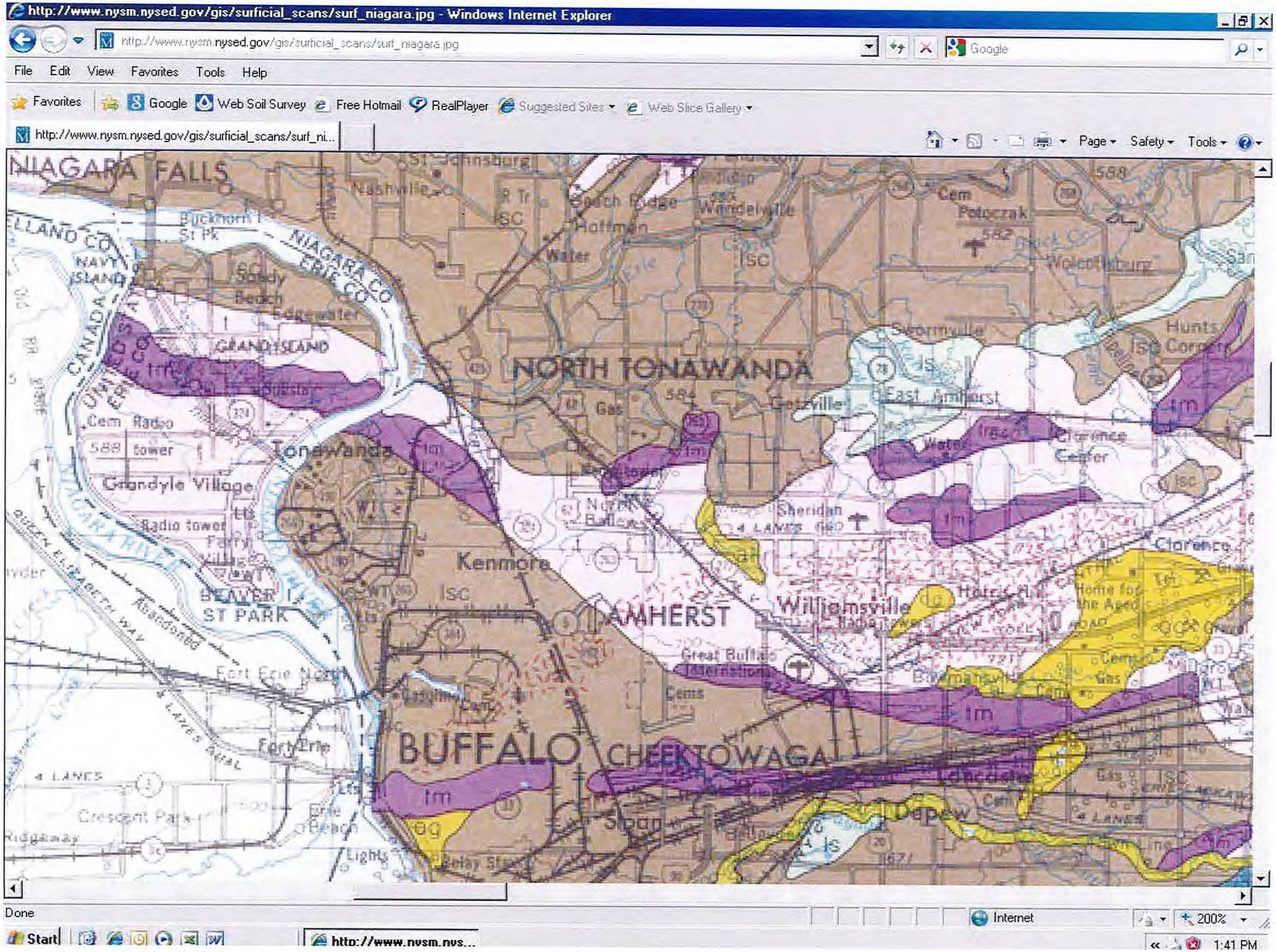
Layer Options (Horizon Aggregation Method): Surface Layer (Not applicable)

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

APPENDIX C2

SURFICIAL AND BEDROCK GEOLOGY

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)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File Edit View Favorites Tools Help
Favorites Google Web Soil Survey Free Hotmail RealPlayer Suggested Sites Web Slice Gallery
NIAGARA FALLS
NORTH TONAWANDA
Tonawanda
Grandyle Village
Kenmore
AMHERST
Williamsville
BUFFALO
CHEEKTOWAGA
Sheridan
Clarence
Getzville
East Amherst
Swormville
Hunts Corners
Wolcottsburg
Potoczak
Wendelville
Hoffman
Nashville
Sandy Beach
Edgewater
GRAND ISLAND
Fort Erie North
Fort Erie
Crescent Park
Great Buffalo International
Cems
Depew
Lancaster
Done
Internet
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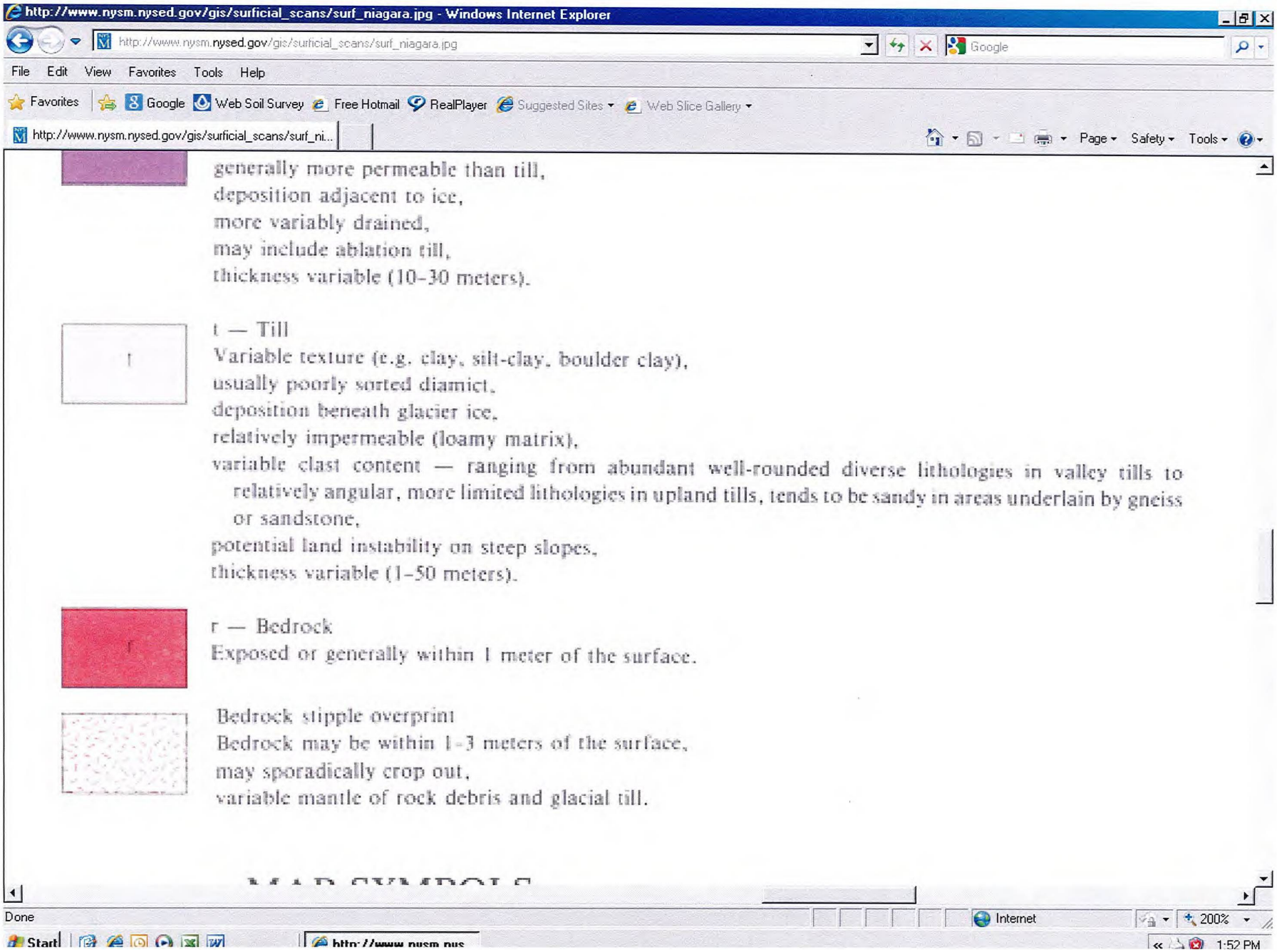
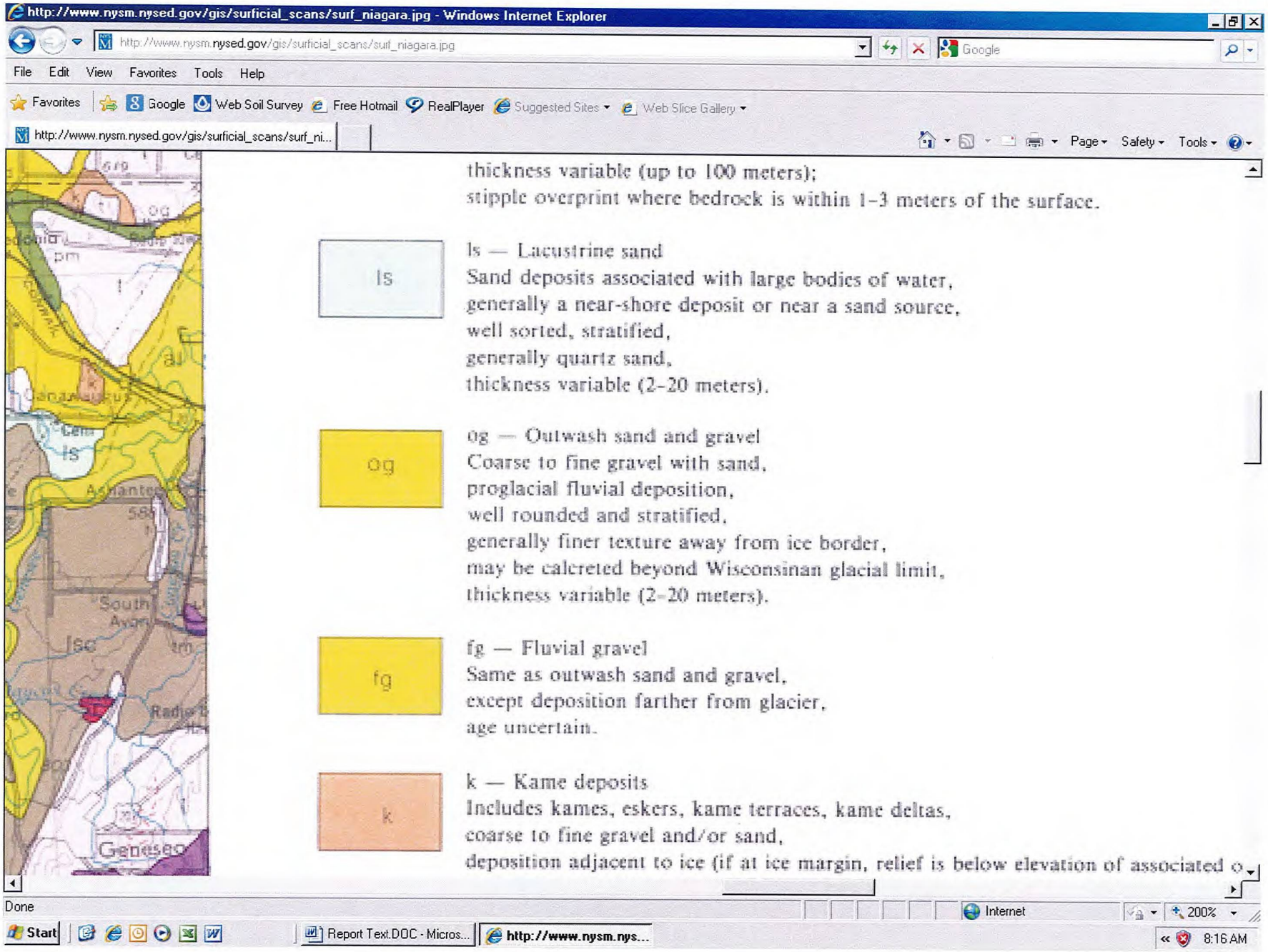
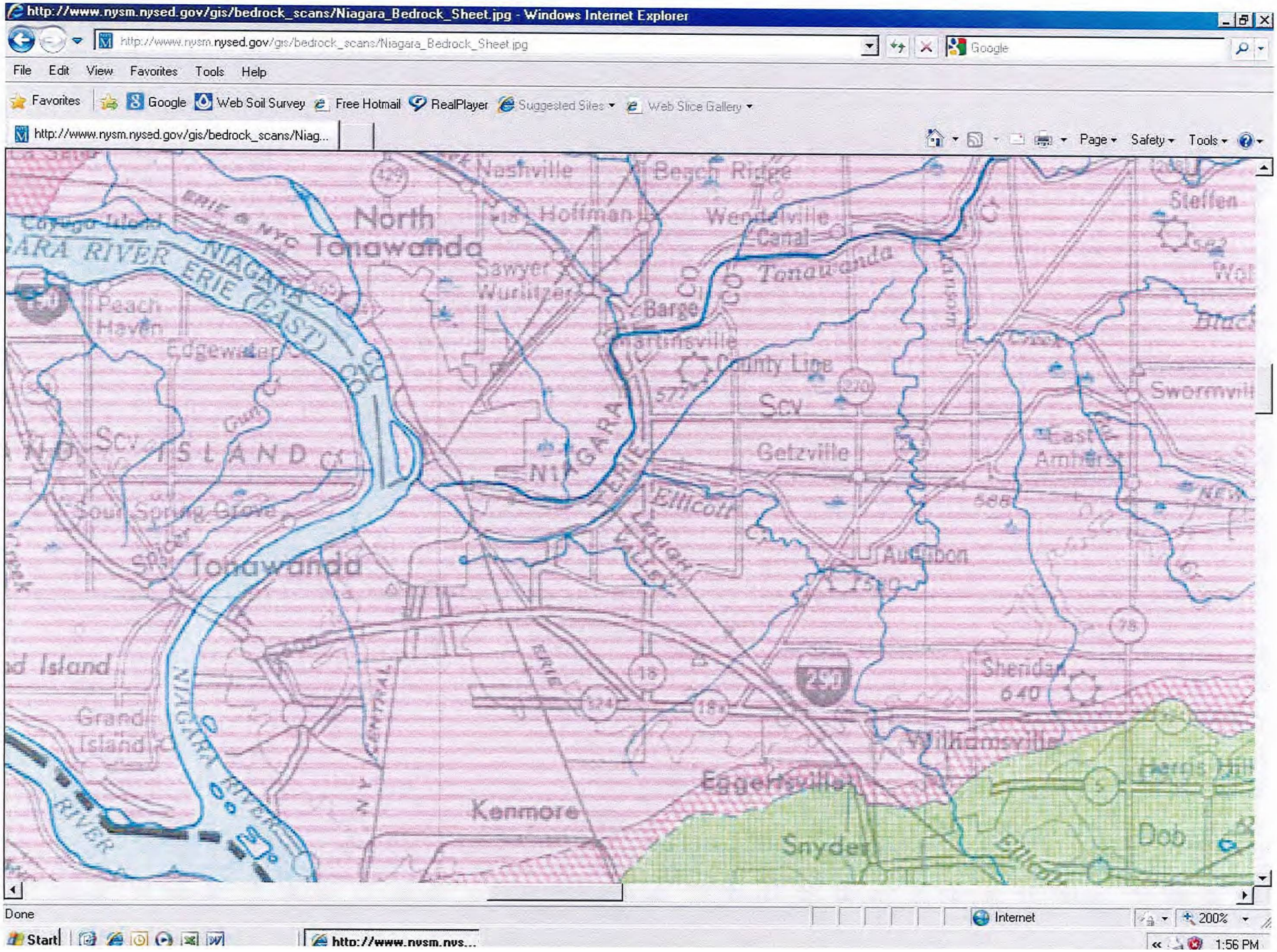

http://www.nysm.nysed.gov/gis/surficial_scans/surf_niagara.jpg - Windows Internet Explorer
http://www.nysm.nysed.gov/gis/surficial_scans/surf_niagara.jpg
File Edit View Favorites Tools Help
Favorites Google Web Soil Survey Free Hotmail RealPlayer Suggested Sites Web Slice Gallery
http://www.nysm.nysed.gov/gis/surficial_scans/surf_ni...
Page Safety Tools
generally more permeable than till,
deposition adjacent to ice,
more variably drained,
may include ablation till,
thickness variable (10–30 meters).
t — Till
Variable texture (e.g. clay, silt-clay, boulder clay),
usually poorly sorted diamict,
deposition beneath glacier ice,
relatively impermeable (loamy matrix),
variable clast content — ranging from abundant well-rounded diverse lithologies in valley tills to relatively angular, more limited lithologies in upland tills, tends to be sandy in areas underlain by gneiss or sandstone,
potential land instability on steep slopes,
thickness variable (1–50 meters).
r — Bedrock
Exposed or generally within 1 meter of the surface.
Bedrock stipple overprint
Bedrock may be within 1–3 meters of the surface,
may sporadically crop out,
variable mantle of rock debris and glacial till.
Done
Internet
200%
1:52 PM

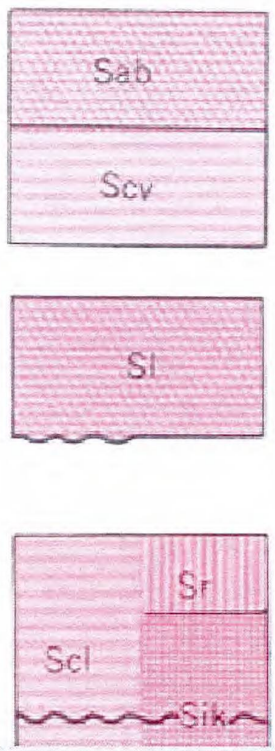


Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)



Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

http://www.nysm.nysed.gov/gis/bedrock_scans/Niagara_Bedrock_Sheet.jpg - Windows Internet Explorer
http://www.nysm.nysed.gov/gis/bedrock_scans/Niagara_Bedrock_Sheet.jpg
File Edit View Favorites Tools Help
Favorites Google Web Soil Survey Free Hotmail RealPlayer Suggested Sites Web Slice Gallery
http://www.nysm.nysed.gov/gis/bedrock_scans/Niag...
Page Safety Tools
Done
Internet
150%
Start
1:59 PM



Bois Blanc Formation—dolostone, limestone, sandstone (Springvale).

Do Oriskany Sandstone.

AKRON DOLOSTONE AND SALINA GROUP
400-700 ft. (120-210 m.)

Sab Akron Dolostone; Bertie Formation—dolostone, shale.

Scv Camillus, Syracuse, and Vernon Formations—shale, dolostone, salt, and gypsum.

LOCKPORT GROUP
150-200 ft. (45-60 m.)

Sl Guelph, Oak Orchard, Eramosa, and Goat Island Dolostones; Gasport Limestone—local bioherms.

CLINTON GROUP
100-150 ft. (30-45 m.)

Scl Decew Dolostone; Rochester Shale; Irondequoit and Merriton Limestones.

Sr Decew Dolostone; Rochester Shale.

Sik Irondequoit Limestone; Rockway Dolostone; Hickory Corners Limestone; Neahga Shale; Kodak Sandstone.

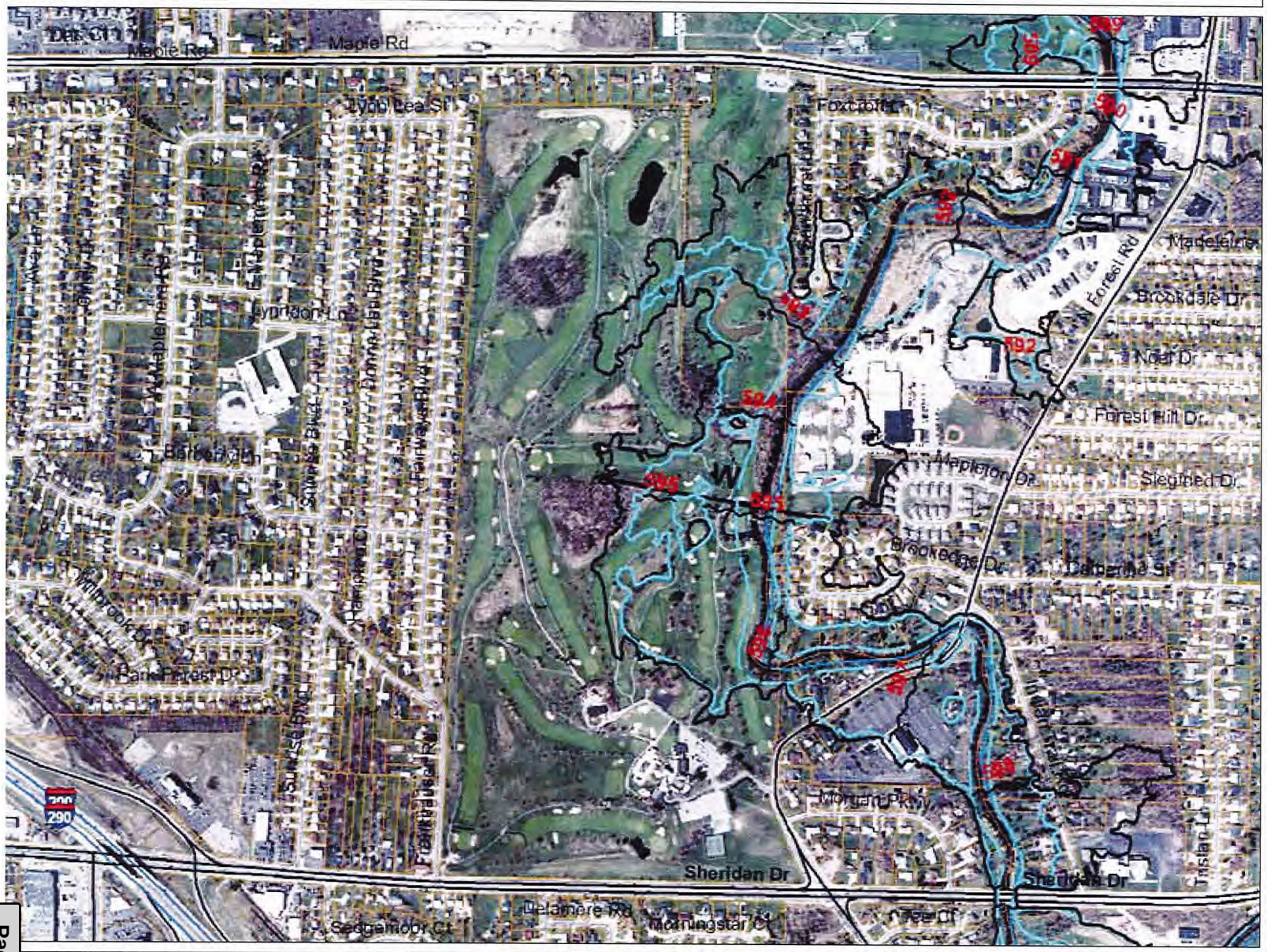
Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

APPENDIX C3

FLOOD PLAIN MAPPING

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

Erie County On-Line Mapping System





Legend

- Base Flood Elevation
- Flood Hazard Lines
  - <all other values>
  - 0.2 PCT ANNUAL CHANCE FLOO
  - 0.2 PCT ANNUAL CHANCE FLOO
  - 1 PCT ANNUAL CHANCE FLOOD
  - 1 PCT ANNUAL CHNACE FLOOD
  - APPARENT LIMIT
  - AREA NOT INCLUDED
  - END OF SPATIAL EXTENT
  - FLOODWAY
  - ZONE BREAK/ FLOODWAY
  - FLOWAGE EASEMENT BOUNDAI
  - LIMIT OF DETAILED STUDY
  - LIMIT OF DETAILED STUDY/ ZON
  - LIMIT OF FLOODWAY
  - LIMIT OF FLOODWAY/ ZONE BRE
  - LIMIT OF STUDY
  - SOURCE BOUNDARY
  - STATE ENCROACHEMENT LINE
  - ZONE BREAK
  - ZONE D
  - Not Printed / ZONE D
- Cross Section Lines
- Streets and Highways
  - Interstate
  - Primary State Road
  - Secondary State Road
  - County Road
  - Local Road
- Parcels

1: 10,476

Notes

Enter Map Description

Erie County and its officials and employees assume no responsibility or legal liability for the accuracy, completeness, reliability, timeliness, or usefulness of any information provided. Tax parcel data was prepared for tax purposes only and is not to be reproduced or used for surveying or conveyancing.

ERIE COUNTY, NEW YORK
DEPARTMENT OF ENVIRONMENT & PLANNING
OFFICE OF GEOGRAPHIC INFORMATION SERVICES

APPENDIX D

GEOTECHNICAL REPORT LIMITATIONS

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

GEOTECHNICAL REPORT LIMITATIONS

Empire Geo-Services, Inc. (Empire) has endeavored to meet the generally accepted standard of care for the services completed, and in doing so is obliged to advise the geotechnical report user of our report limitations. Empire believes that providing information about the report preparation and limitations is essential to help the user reduce geotechnical-related delays, cost over-runs, and other problems that can develop during the design and construction process. Empire would be pleased to answer any questions regarding the following limitations and use of our report to assist the user in assessing risks and planning for site development and construction.

PROJECT SPECIFIC FACTORS: The conclusions and recommendations provided in our geotechnical report were prepared based on project specific factors described in the report, such as size, loading, and intended use of structures; general configuration of structures, roadways, and parking lots; existing and proposed site grading; and any other pertinent project information. Changes to the project details may alter the factors considered in development of the report conclusions and recommendations. *Accordingly, Empire cannot accept responsibility for problems which may develop if we are not consulted regarding any changes to the project specific factors that were assumed during the report preparation.*

SUBSURFACE CONDITIONS: The site exploration investigated subsurface conditions only at discrete test locations. Empire has used judgement to infer subsurface conditions between the discrete test locations, and on this basis the conclusions and recommendations in our geotechnical report were developed. It should be understood that the overall subsurface conditions inferred by Empire may vary from those revealed during construction, and these variations may impact on the assumptions made in developing the report conclusions and recommendations. *For this reason, Empire should be retained during construction to confirm that conditions are as expected, and to refine our conclusions and recommendations in the event that conditions are encountered that were not disclosed during the site exploration program.*

USE OF GEOTECHNICAL REPORT: Unless indicated otherwise, our geotechnical report has been prepared for the use of our client for specific application to the site and project conditions described in the report. *Without consulting with Empire, our geotechnical report should not be applied by any party to other sites or for any uses other than those originally intended.*

CHANGES IN SITE CONDITIONS: Surface and subsurface conditions are subject to change at a project site subsequent to preparation of the geotechnical report. Changes may include, but are not limited to, floods, earthquakes, groundwater fluctuations, and construction activities at the site and/or adjoining properties. *Empire should be informed of any such changes to determine if additional investigative and/or evaluation work is warranted.*

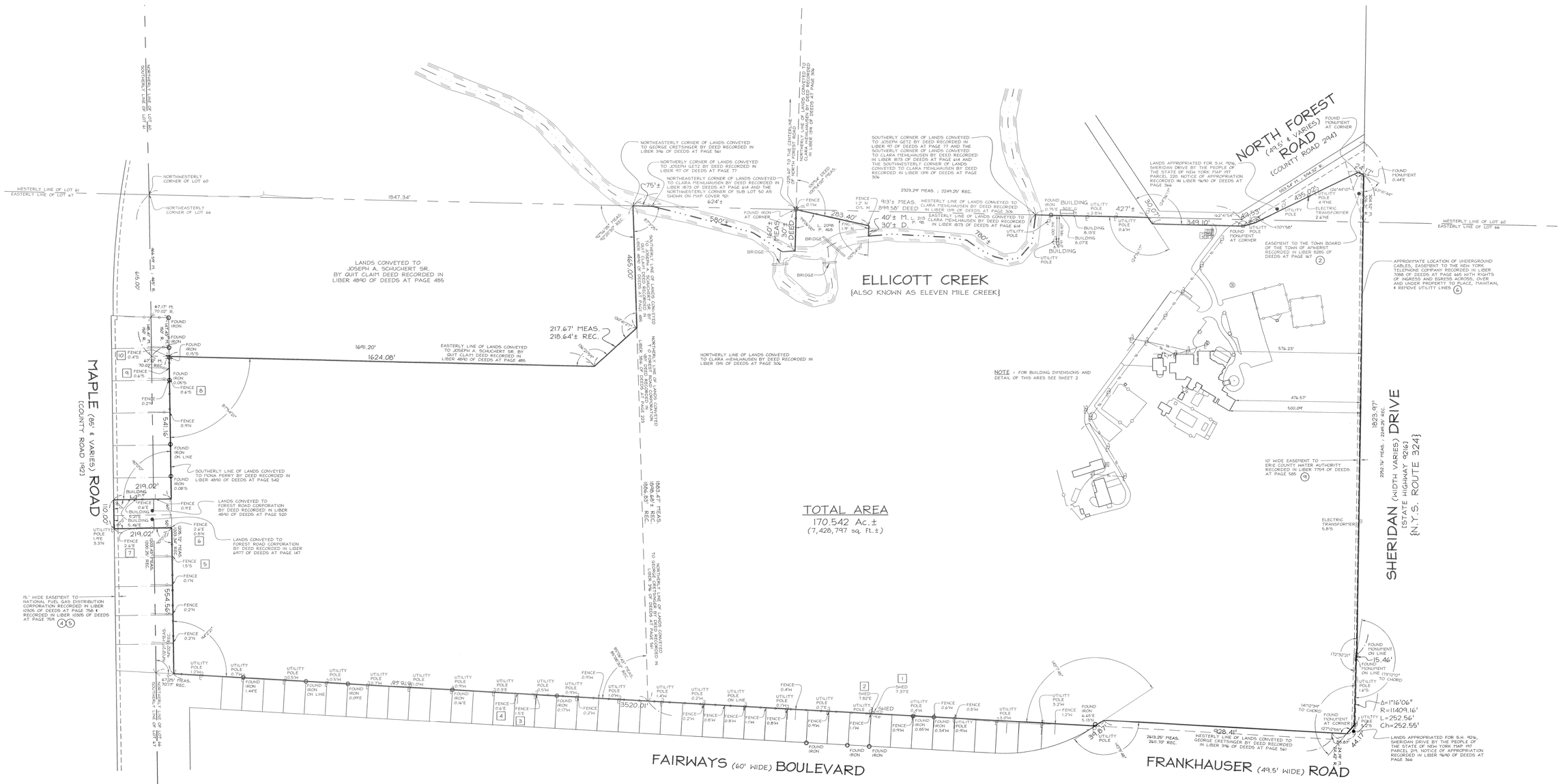
MISINTERPRETATION OF REPORT: The conclusions and recommendations contained in our geotechnical report are subject to misinterpretation. *To limit this possibility, Empire should review project plans and specifications relative to geotechnical issues to confirm that the recommendations contained in our report have been properly interpreted and applied.*

Subsurface exploration logs and other report data are also subject to misinterpretation by others if they are separated from the geotechnical report. This often occurs when copies of logs are given to contractors during the bid preparation process. *To minimize the potential for misinterpretation, the subsurface logs should not be separated from our geotechnical report and the use of excerpted or incomplete portions of the report should be avoided.*

OTHER LIMITATIONS: Geotechnical engineering is less exact than other design disciplines, as it is based partly on judgement and opinion. For this reason, our geotechnical report may include clauses that identify the limits of Empire's responsibility, or that may describe other limitations specific to a project. These clauses are intended to help all parties recognize their responsibilities and to assist them in assessing risks and decision making. Empire would be pleased to discuss these clauses and to answer any questions that may arise.

Attachment: SP-2023-11_application_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

TRUE NORTH AT THE 078°35' MERIDIAN OF WEST LONGITUDE


MAPLE (85' & VARIES) ROAD
(COUNTY ROAD 1972)
WESTERLY LINE OF LOT 61
EASTERLY LINE OF LOT 67
NORTHWESTERLY CORNER OF LOT 60
NORTHEASTERLY CORNER OF LOT 66
SOUTHERLY LINE OF LOT 61
1847.34'
694.94' M.
695.00' R.
LANDS CONVEYED TO JOSEPH A. SCHUCHERT SR. BY QUIT CLAIM DEED RECORDED IN LIBER 4890 OF DEEDS AT PAGE 485
67.17' M.
70.02' R.
FOUND IRON
FOUND IRON 0.15'S
FENCE 0.4'S
10
9
FENCE 0.6'S
FOUND IRON 0.05'S
FENCE 0.6'S
8
FENCE 0.2'S
FENCE 0.9'N
191.45'
FOUND IRON ON LINE
SOUTHERLY LINE OF LANDS CONVEYED TO FIONA PERRY BY DEED RECORDED IN LIBER 4890 OF DEEDS AT PAGE 542
FOUND IRON 0.08'S
219.02'
BUILDING 1.4'E
FENCE 0.6'E
BUILDING 0.3'W
BUILDING 5.4'E
FENCE 0.9'E
LANDS CONVEYED TO FOREST ROAD CORPORATION BY DEED RECORDED IN LIBER 4890 OF DEEDS AT PAGE 520
FENCE 2.6'E
0.8'N
6
LANDS CONVEYED TO FOREST ROAD CORPORATION BY DEED RECORDED IN LIBER 4877 OF DEEDS AT PAGE 147
UTILITY POLE 1.9'E 3.3'N
FENCE 2.6'E
7
FENCE 1.5'S
5
FENCE 0.1'N
FENCE 0.2'N
15.1' WIDE EASEMENT TO NATIONAL FUEL GAS DISTRIBUTION CORPORATION RECORDED IN LIBER 10305 OF DEEDS AT PAGE 758 & RECORDED IN LIBER 10305 OF DEEDS AT PAGE 759
4 5
454.54'
N 00°32'30" E 454.54' MEAS.
FENCE 0.2'N
FENCE 0.2'N
N 00°32'30" E 454.70' REC.
UTILITY POLE 1.2'N
47.25' MEAS.
47.17' REC.
SOUTHERLY LINE OF LOT 61
NORTHERLY LINE OF LOT 67
1624.08'
1691.20'
EASTERLY LINE OF LANDS CONVEYED TO JOSEPH A. SCHUCHERT SR. BY QUIT CLAIM DEED RECORDED IN LIBER 4890 OF DEEDS AT PAGE 485
217.67' MEAS.
218.64'± REC.
465.00'
NORTHERLY LINE OF LANDS CONVEYED TO CLARA MEHLHAUSEN BY DEED RECORDED IN LIBER 1911 OF DEEDS AT PAGE 306
NORTHEASTERLY CORNER OF LANDS CONVEYED TO GEORGE CRETSINGER BY DEED RECORDED IN LIBER 394 OF DEEDS AT PAGE 561
NORTHERLY CORNER OF LANDS CONVEYED TO JOSEPH GETZ BY DEED RECORDED IN LIBER 97 OF DEEDS AT PAGE 77
NORTHEASTERLY CORNER OF LANDS CONVEYED TO CLARA MEHLHAUSEN BY DEED RECORDED IN LIBER 1873 OF DEEDS AT PAGE 614 AND THE NORTHWESTERLY CORNER OF SUB LOT 50 AS SHOWN ON MAP COVER 101
624'±
75'±
580'±
IRON PIPE FOUND 0.02'W
IRON PIPE FOUND 0.02'W
FENCE 0.2'W
FOUND IRON AT CORNER
FENCE 1.2' N 0.1' W
913'± MEAS. 899.58' DEED
40'± M. 30' D.
L. 2098 P. 468
FIR 1.9' N.
BRIDGE
283.40'
60'± MEAS. 30' DEED
SOUTHERLY CORNER OF LANDS CONVEYED TO JOSEPH GETZ BY DEED RECORDED IN LIBER 97 OF DEEDS AT PAGE 77 AND THE SOUTHERLY CORNER OF LANDS CONVEYED TO CLARA MEHLHAUSEN BY DEED RECORDED IN LIBER 1873 OF DEEDS AT PAGE 614 AND THE SOUTHWESTERLY CORNER OF LANDS CONVEYED TO CLARA MEHLHAUSEN BY DEED RECORDED IN LIBER 1911 OF DEEDS AT PAGE 306
2323.29' MEAS. ; 2249.25' REC.
WESTERLY LINE OF LANDS CONVEYED TO CLARA MEHLHAUSEN BY DEED RECORDED IN LIBER 1911 OF DEEDS AT PAGE 306
EASTERLY LINE OF LANDS CONVEYED TO CLARA MEHLHAUSEN BY DEED RECORDED IN LIBER 1873 OF DEEDS AT PAGE 614
780'±
FOUND IRON 0.7'E
BUILDING 0.5'E
BUILDING 0.3'E
BUILDING 0.07'E
BUILDING
UTILITY POLE 0.5'E
UTILITY POLE 2.8'W
427'±
UTILITY POLE 0.8'W
ELLICOTT CREEK
{ALSO KNOWN AS ELEVEN MILE CREEK}
NOTE - FOR BUILDING DIMENSIONS AND DETAIL OF THIS AREA SEE SHEET 2
LANDS APPROPRIATED FOR S.H. 9216, SHERIDAN DRIVE BY THE PEOPLE OF THE STATE OF NEW YORK, MAP #17 PARCEL 220. NOTICE OF APPROPRIATION RECORDED IN LIBER 4640 OF DEEDS AT PAGE 364
NORTH FOREST ROAD (49.5' & VARIES) (COUNTY ROAD 2941)
FOUND MONUMENT AT CORNER
30.0'
349.10'
N42°41'54"E 349.55'
N 42°41'54" E 694.88' R
435.07'
UTILITY POLE 4.9'NE
ELECTRIC TRANSFORMER 2.6'NE
24.12'
FOUND MONUMENT 0.44'E
N 43°41'40" E 24.12' R
WESTERLY LINE OF LOT 60
EASTERLY LINE OF LOT 66
UTILITY POLE 1.70'W 1.68'S
FOUND POLE MONUMENT AT CORNER
EASEMENT TO THE TOWN BOARD OF THE TOWN OF AMHERST RECORDED IN LIBER 8285 OF DEEDS AT PAGE 167 (2)
APPROXIMATE LOCATION OF UNDERGROUND CABLES, EASEMENT TO THE NEW YORK TELEPHONE COMPANY RECORDED IN LIBER 7088 OF DEEDS AT PAGE 665 WITH RIGHTS OF INGRESS AND EGRESS ACROSS, OVER AND UNDER PROPERTY TO PLACE, MAINTAIN, & REMOVE UTILITY LINES (6)
574.23'
474.57'
500.09'
10' WIDE EASEMENT TO ERIE COUNTY WATER AUTHORITY RECORDED IN LIBER 7759 OF DEEDS AT PAGE 585 (9)
SHERIDAN (WIDTH VARIES) DRIVE
(STATE HIGHWAY 92163)
(N.Y.S. ROUTE 324)
2290.76' MEAS. ; 2249.29' REC.
1823.97'
1883.47' FILED MAP 1883.49' M.
1883.47' REC.
ELECTRIC TRANSFORMER 0.6'S
FOUND MONUMENT ON LINE
15.46'
FOUND MONUMENT ON LINE 173°21'12" TO CHORD
UTILITY POLE 1.6'S
Δ=1°16'06"
R=11409.16'
L=252.56'
Ch=252.55'
FOUND MONUMENT AT CORNER
141°12'39" TO CHORD
127°12'56"
LANDS APPROPRIATED FOR S.H. 9216, SHERIDAN DRIVE BY THE PEOPLE OF THE STATE OF NEW YORK MAP 147 PARCEL 219. NOTICE OF APPROPRIATION RECORDED IN LIBER 4640 OF DEEDS AT PAGE 366
44.17'
N 2°
E
2613.25' MEAS. 2611.70' REC.
WESTERLY LINE OF LANDS CONVEYED TO GEORGE CRETSINGER BY DEED RECORDED IN LIBER 394 OF DEEDS AT PAGE 561
928.41'
UTILITY POLE 3.2'W
FENCE 1.2'W
FOUND IRON 6.65'E 5.15'N
UTILITY POLE 0.9'W
FENCE 0.8'W
FENCE 0.8'W
FOUND IRON 0.65'W
FOUND IRON 0.54'W
FENCE 0.4'W
FENCE 0.9'W
FENCE 0.9'W
FENCE 1.7'W
FENCE 1.7'W
FENCE 0.8'W
FENCE 0.8'W
FENCE 0.2'W
FENCE 0.2'W
FENCE 0.8'W
FENCE 0.8'W
FENCE 1.5'E
FENCE 1.5'E
FENCE 0.6'E
FENCE 0.4'W
UTILITY POLE 0.7'E
UTILITY POLE 0.2'W
UTILITY POLE 0.4'W
UTILITY POLE 0.7'E
UTILITY POLE 0.1'W
UTILITY POLE 0.4'W
UTILITY POLE 0.9'W
UTILITY POLE 0.9'W
UTILITY POLE 1.0'W
UTILITY POLE 0.9'W
UTILITY POLE 0.5'W
UTILITY POLE 0.5'W
UTILITY POLE 0.5'W
UTILITY POLE 0.5'W
UTILITY POLE 0.7'W
UTILITY POLE 0.3'E
UTILITY POLE 0.5'W
UTILITY POLE 0.7'W
UTILITY POLE 0.7'W
UTILITY POLE 1.2'W
UTILITY POLE 1.2'W
UTILITY POLE 0.7'W
UTILITY POLE 0.7'W
UTILITY POLE 0.7

AMHERST
New York

CENTRAL PARK
Concept Plan

October 2, 2023

N

0 100 200 300
FEET

COMMISSIONED BY
THE TOWN OF AMHERST, N.Y.

Prepared By
DOVER, KOHL & PARTNERS

Modified By
The Town of Amherst

LEGEND

UNIQUE FEATURES
1) Community Building (Former Club House)
2) Music Fare Theater
3) The Winter Market
4) Ice Ribbon + Ice Rink
5) Splash Pad + Inclusive Playground
6) Amphitheater
7) Lake Front Pavilion
8) Outdoor Exercise Equipment (10 Stations)
9) Community Gardens (can be any size)
10) Greenhouse
11) Maintenance Area
12) Low Ropes Course or suspended bridges
13) Sheltered Bus Stop (at South Entrance)
14) Buffalo Niagara Heritage Village (Relocated)
15) Multi-use Pavilion

Multiple Features
- (PC) Playground (Conventional Equipment)
- (PN) Playground (Natural)
- (RR) Restrooms
- (SH) Roofed Open Air Shelters
- (OC) Outdoor Classrooms
- (ART) Public Art / Sculpture Sites
- (BT) Off-road Bike Trails, 4-feet wide, dirt
- (AR) Accentuated Rise (mounded hills)
- (MG) Minor Entrance Gates.
- (Bikes) Bicycle Parking Racks (size to be determined)

Existing Deciduous

Existing Tree Canopy

Existing Water

Proposed Marsh / Water

MAPLE ROAD
FAIRWAYS BLVD
FRANKHAUSER RD
SHERIDAN DRIVE
NORTH FOREST ROAD
Pedestrian & Bike Entrance
Gate
Little Hardwood Swamp (exist.)
Pond (existing)
Exist. Wetland
Big Hardwood Swamp (existing)
Natural Preserve Area
Pond (Existing)
Existing Cart Path >>>>
<<< Existing Path
DRIVE
Existing Property Line
Summer Forest
Emergent Marsh (restore)
Playground (New)
Autumn Forest
CENTRAL MEADOW
Founders' Tree (to be planted at groundbreaking ceremony)
flower garden
Spring Forest -flowering trees-
Natural Playground (New)
Sm Prkg
Successional Northern Hardwood Forest
Low Ropes or Small Elevated Bridges (New)
Natural Regeneration Area
Outdoor Exerc. Equip't (New)
Winter Forest
Playground (New)
DRIVE — one way →
Reconstructed Bridge
Existing Property Line
Future Community Garden
Greenhouse (New)
Proposed Stormwater Retention
Pavilion (New)
Off-road Bike Trails (One-Way)
Pavilion (Existing)
Amphitheater (New)
Maintenance (New)
100'-7"
Field 2 44062 SF 1.01 Acres
Hoover House
Blacksmith Shop
Brewer's Cottage
School
Fiber Arts
Village Store
Elliott House
Trinity Church
Bandstand
THE BIG MEADOW
UPK Playground
Outdoor Pool (Existing)
Club House (Existing)
South Entrance Garden
202'-4"
BNHV Relocated Small Structures
Field 1 56792 SF 1.30 Acres
Barn
Bigelow Home
Schmitt Log House
BNHV (New)
Playground
86'-8"
Splash Pad
Accessible Playground
118'-1"
477'-4"
Enlarge exist. Canal into pond
Theater (New)
Winter Market (New)
Restroom & Skate Rental (New)
Ice Ribbon & Rink
356'-6"
146'-9"
186'-11"
ACP Entrance Signage
Existing Berm
Gate
Pavilion (Existing)
Sm Prkg
Garden
Greenhouse

Attachment: SP-2023-11_drawings_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

AMHERST
New York

CENTRAL PARK
Existing 100 Yr. Floodplain

October 2, 2023

0 100 200 300
FEET

COMMISSIONED BY
THE TOWN OF AMHERST, N.Y.

Prepared By
DOVER, KOHL & PARTNERS

Modified By
The Town of Amherst

MAPLE ROAD

FAIRWAYS BLVD

Little Hardwood Swamp (exist.)

Pond (existing)

Exist. Wetland

Big Hardwood Swamp (existing)

Pond (Existing)

Natural Preserve Area

EXISTING 100 YR. FLOODPLAIN

Existing Property Line

Existing Cart Path

DRIVE

Summer Forest

Emergent Marsh (restore)

Playground (New)

Autumn Forest

CENTRAL MEADOW

Founders' Tree (to be planted at groundbreaking ceremony)

Flower Garden

Sm Prkg

Spring Forest -flowering trees-

Natural Area (New) Playground

Low Ropes Course (New)

Small Elevated

Reconstructed Bridge

Existing Property Line

Successional Northern Hardwood Forest (New)

Natural Regeneration Area

Outdoor Exerc. Equip't

Winter Forest

Playground (New)

DRIVE — one way

Sm Prkg

EXISTING 100 YR. FLOODPLAIN

EXISTING 100 YR. FLOODPLAIN

Community Garden

Greenhouse (New)

Pavilion (New)

Sm Prkg

Sm Prkg

Off-road Bike Trails (One-Way)

Gate

Pedestrian & Bike Entrance

Gate

Pavilion (Existing)

Service Lane

Amphitheater (New)

Gate

DRIVE

Maintenance (New)

NORTH FOREST ROAD

FRANKHAUSER RD

Field 2
44062 SF
1.01 Acres

Corn, Beans, Squash

Wheat, Oats & Barley

Blacksmith Shop

Tower's

School

Barn

Fiber Arts

Victory Garden

Village Store

Hoover House

Elliot House

Trinity Church

Bandstand

Hoops

4H

Bigelow Home

Schmitt Log House

Grapes

Veg

Pumpkin

Field 1
56792 SF
1.30 Acres

BNHV (New)

THE BIG MEADOW

Playground

Outdoor Pool (Existing)

Club House (Existing)

UPK Playground

DRIVE

South Entrance Garden

Splash Pad

Accessible Playground

Winter Market (New)

Ice Ribbon & Rink

Restroom & Skate Rental (New)

Apples

Peaches

Enlarge exist. Canal into pond

Batting Cage

MAIN ENTRANCE

GARDEN / PATIO OUTDOOR SPACE

UPPER LEVEL EXITS

RETAINING WALL

Theater (New)

LOWER LEVEL DELIVERIES

STAFF ENTRY

EMER. EXIT

Underground Detention Chambers

ACP Entrance Signage

Existing Berm

SHERIDAN DRIVE

Attachment: SP-2023-11_drawings_111623 (28062 : SP-2023-11 772 N. Forest Rd.)

TOWN OF AMHERST
PLANNING BOARD
SITE PLAN RESOLUTION
SP-2023-11

PETITIONER

Town of Amherst
5583 Main Street
Williamsville, New York 14221

PROPERTY LOCATION

772 North Forest Road, 385 & 391
Maple Road

NOV 20 2023 AM9

WHEREAS, the Town of Amherst Planning Board on Thursday, November 16, 2023 held a public hearing on a Planned Unit Development Application (PUD) and Conceptual Development Plan for a new town community park (Amherst Central Park), and

WHEREAS, the Planning Board reviewed the PUD application and conceptual development plan for the proposed project, and

WHEREAS, the PUD application was also referred to the Town's various review agencies

WHEREAS, the Planning Director compiled the comments from the Town's various review agencies and provided a report to the Planning Board, and

WHEREAS, in accordance with Section 8-3-5 and 8-4-5 of the Zoning Ordinance, the Planning Board finds that:

A. The conceptual development plan meets the purpose and objectives of the RC-Recreation Conservation zoning district by providing public and private civic uses related to recreation and conservation.

B. The conceptual development plan will be consistent with any applicable use regulations in part 6 of the zoning ordinance, or as adjusted by the Town Board under Section 8-4-6(F) of the ordinance.

C. The conceptual development plan and the proposed uses which comprise the proposed community park are consistent with the policies of the comprehensive plan.

D. The proposed community park will have adequate services and utilities available at the time of proposed construction.

E. The proposed community park is compatible with the current RC- Recreation Conservation zoning of the property and the surrounding residential zoning and existing residential neighborhood character.

F. The proposed community park improves the balances of uses in the adjacent surrounding community by converting an abandoned former private golf course into a regional public asset which will provide recreational and cultural opportunities for the residents of the Town of Amherst.

Attachment: SP-2023-11 signed resolution 111623 (28062 : SP-2023-11 772 N. Forest Rd.)

TOWN OF AMHERST
PLANNING BOARD
SITE PLAN RESOLUTION
SP-2023-11

PETITIONER

Town of Amherst
5583 Main Street
Williamsville, New York 14221

PROPERTY LOCATION

772 North Forest Road, 385 & 391
Maple Road

NOV 20 2023 AM9

NOW THEREFORE BE IT FURTHER RESOLVED that the Planning Board, in accordance with Section 8-4-4 of the Zoning Ordinance recommends approval of said Planned Unit Development (PUD) application and conceptual development plan.

The foregoing resolution was adopted by the Town of Amherst Planning Board, November 16, 2023; moved by Giuliani; seconded by Chmiel; ayes 7, noes 0.

Robert J. Gilmour, Planning Board Chair

11-18-2023
Date

Attachment: SP-2023-11 signed resolution 111623 (28062 : SP-2023-11 772 N. Forest Rd.)

DU/ac
X:\Current_Planning\Files\Site Plans\2023\SP-2023-11(772 N_ Forest Road_385_&_391_Maple Road)\SP-2023-11_resolution_111623.docx
cc: Commissioner of Building
Town Engineer
Fire Chiefs
Traffic/Safety
Highway Superintendent
ECDEP
NYSDOT
NYSDEC

Approved Plan: Dover, Kohl & Partners
Received: October 2, 2023

Amherst Planning Board
5583 Main Street
Williamsville, NY 14221

Meeting: 11/16/23 06:30 PM
Department: Planning
Category: Rezoning and Relief from Conditions of Rezoning
Prepared By: Amy Carrato
Initiator: Dan Howard
Sponsors:
DOC ID: 28027

ADOPTED

PLANNING BOARD ITEM (ID # 28027)

Requeset to Amend the SEQRA Finding for Signage, Z-1996-02B

Property located at 1565, 1575-1659 & 1641-1703 Niagara Falls Boulevard (BCD)
Benderson Development, Petitioner

The purpose of this request is to remove signage restrictions in the Findings Statement for Boulevard Consumer Square. The petitioner is seeking the removal of SEQR findings that limit the placement of signage on the rear facades of buildings that face Romney Road, Ridge Lea Road, and North Bailey Avenue. Additionally, the request includes the removal of a SEQR finding that limits the number of pole, pylon, or ground signs along Romney Road, Ridge Lea Road, and North Bailey Avenue.

James Boglioli, Esq., Benderson Development Co., represented the petitioner, explained the proposal and was available to answer questions from the Board.

In response to the Board's questions, Mr. Boglioli stated no signage will face the residential properties to the north of the site.

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

Following discussion, Mr. Giuliani moved to approve the request based on the resolution. The motion was seconded by Mr. Raffaele and carried. Ayes 6, Noes 0, Abstain 1 (Chmiel).

ATTACHMENTS:

- Z-1996-02B application 111623 (PDF)
- Z-1996-02B drawings 111623 (PDF)
- Z-1996-02B signed resolution 111623 (PDF)

RESULT:	**APPROVED [6 TO 0]**
MOVER:	Dal Giuliani, Board Member
SECONDER:	Joseph P. Raffaele Jr., Board Member
AYES:	Gilmour, Gill, Giuliani, Penberthy, Raffaele Jr., Kahn
ABSTAIN:	Michael Chmiel

TOWN OF AMHERST

APPLICATION & REVIEW PROCEDURE

REZONING

MATERIALS MUST BE PROVIDE IN AN ELECTRONIC FORMAT THAT CONTAINS PDF FILES OF THE APPLICATION, EAF, CONCEPTUAL DEVELOPMENT PLAN, SURVEY, ANY OTHER SUPPORTING INFORMATION, AND A WORD DOCUMENT OF THE LOCAL LAW. 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 & 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
- Appendix D Draft Local Law Form
- Appendix E Submittal of Revised Survey & Legal Description Form

- IMPORTANT -

1. Applicant obtains 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 persons having legal standing as defined in Section 8-2-2 of the Zoning Ordinance.

2. 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:
   - consistency of the proposed rezoning with the adopted Bicentennial Comprehensive Plan
   - 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.

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

3. The rezoning 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 Environmental Assessment Form (EAF) must assess the cumulative impacts associated with the rezoning (and the Comprehensive Plan amendment, if applicable). The Town Board cannot make a SEQR determination unless a complete EAF is submitted along with the Town of Amherst EAF Addendum (attached Appendix A) and any required supplementary information, such as traffic impact studies, archaeological reports, wetland delineations or geotechnical reports. 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: ***http://www.dec.ny.gov/permits/6191.html***.

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

5. The rezoning request must be put in the form of a Local Law **and submitted both as a paper copy and in electronic form as a Microsoft Word document**. See Appendix D, attached.

Attachment: Z-1996-02B application 111623 (28027 : Z-1996-02B, 1621 Niagara Falls Blvd)

APPLICATION PROCEDURES

1. Applicant prepares and submits one complete application with attachments to the Planning Department for review prior to filing.

2. After approval for filing by the Planning Department, the applicant files **thirteen (13)** copies of the completed application and attachments with the Planning Department and submits the required fee and one copy of the application package to the Town Clerk. (See Schedule of Fees on first page of application and make checks payable to: Town of Amherst.) Each package must be collated, with larger sheets folded into no larger than 9" x 12" size. The following information must be included in each application package:

   - A completed, signed and notarized application form with all required attachments
   - A conceptual development plan, drawn to scale (no larger than 24" X 36" in size)
   - An 8 ½" X 11" reduction of the conceptual development plan
   - Boundary survey prepared by a NYS licensed land surveyor that shows the acreage of the parcel, acreage of the area to be rezoned, zoning of adjacent properties and all other typical survey data
   - A legal description of the area proposed to be rezoned
   - The legal description in the form of a draft local law (see Appendix D) and provided **as a Word document**
   - A completed and signed Environmental Assessment Form (EAF), including any required supplementary reports such as traffic studies, geotechnical reports, archaeological surveys, or wetland delineation reports

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

4. The Planning Department transmits copies of the application and materials for a review by:

   - Commissioner of Building
   - Town Engineer
   - Superintendent of Highways
   - Traffic / Safety Board
   - Fire Chiefs' Association
   - Town Attorney
   - Zoning Enforcement Officer
   - Other Town and outside Agencies, as applicable

5. Each agency completes its review and notifies the Planning Department in writing of its comments or recommendations as required by the Zoning Ordinance.

6. The Town makes an environmental assessment of the project to determine whether a draft Environmental Impact Statement (EIS) is required. The applicant will be advised in the event that a draft EIS is required and afforded the opportunity to prepare it. If he/she declines, the Planning Board will prepare the draft EIS at the applicant's expense. A public hearing will be held concurrently with all public hearings on the application itself.

7. The following procedures are established for submittal of revised documents: **All such documents must be provided in electronic format in addition to hard copies.**

   A. Revised Survey / Legal Description. **Thirteen (13)** copies of any proposed revisions to the Survey or Legal Description must be approved and submitted to the Planning Department. The Planning Department will transmit one copy of the revised Survey/Legal Description to the Town Clerk and to review agencies as required. The corresponding local law must also be updated and provided. *APPENDIX "E"*, "Revised Survey / Legal Description submittal form" must accompany the revised documents.

Attachment: Z-1996-02B application 111623 (28027 : Z-1996-02B, 1621 Niagara Falls Blvd)

B. Other Revised Materials. The applicant must provide **thirteen (13)** complete sets of revised plans, reports, or materials as required to address review agency comments (recommend the applicant contact Planning staff to determine if fewer sets are needed). The revised submission should include, but is not limited to, the following:

- A cover letter addressing all comments received to date.
- Revised conceptual development plan drawings with the area of change "highlighted", along with a notation describing the change.

8. Planning Board Meeting Procedures. The applicant or representative must present the project at the public hearing before the Planning Board and be available to answer any questions at the meeting. The Planning Board may take any of the following actions:

- Adjourn the hearing to a future Planning Board meeting (hearing remains open).
- Close the public hearing and table action on the rezoning petition to the next Planning Board meeting.
- Close the public hearing and make a recommendation on the rezoning.

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

The Planning Board will hold both a hearing on the proposed action and a concurrent SEQR hearing. Upon receipt of all required SEQR materials, the Planning Board will make a SEQR recommendation and a recommendation on the proposed rezoning to the Town Board per the requirements of Sections 8-1, 8-2, and 8-3 of the Zoning Ordinance.

9. After the Planning Board issues its recommendation, it is the applicant's responsibility to submit a written request to the Town Clerk that a public hearing be scheduled before the Town Board. A copy of the request should also be submitted to the Planning Department.

10. A final determination on SEQR and the rezoning request will be made by the Town Board per the requirements of the Zoning Ordinance.

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 zoning change application will be placed on the Planning Board agenda after the deadline for filing has closed.

Attachment: Z-1996-02B application 111623 (28027 : Z-1996-02B, 1621 Niagara Falls Blvd)

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-1996-02B application 111623 (28027 : Z-1996-02B, 1621 Niagara Falls Blvd)

TO BE COMPLETED BY APPLICANT

1. **Petitioner:**

Name: Benderson Development Company, LLC

Address: 570 Delaware Avenue

Buffalo, New York 14202

City State Zip Code

Phone: 716-878-9626 Fax cell 716-9989915

E Mail: jmb@benderson.com

2. **The undersigned hereby petitions the Honorable Town Board to rezone the following described property:**

From: N/A District

To: N/A District

3. **Street address of land to be rezoned:** (must be verified by Town Assessor's Office)

1561- 1703 Niagara Falls Boulevard

SBL #: 54.01-2-12.112, 14.2 & 20

4. **Area of land to be rezoned** (in acres): 64.087

5. **Owner of Land**:

Name: Blvdcon, LLC

Address: 570 Delaware Avenue

Buffalo, New York 14202

City State Zip Code

Phone: 716-878-9626

6. **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 cell: 716-998-9915

E Mail: jmb@benderson.com

Attachment: Z-1996-02B application 111623 (28027 : Z-1996-02B, 1621 Niagara Falls Blvd)

7. Petitioner's interest in property

_____Option to purchase
_____Owner
_X____Other (explain) Affiliate

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)

N/A

9. Attach Survey and Legal description of land to be rezoned. The Survey must be prepared by a New York State Licensed Land Surveyor.

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:
Please see attached letter of intent

B. Rationale for rezoning request:

1. Why was this site chosen? Please see attached letter of intent

2. Why cannot land be used with the existing zoning?
Please see attached letter of intent

3. How will this rezoning impact surrounding properties?
Please see attached letter of intent

4. How will this rezoning impact the school system?
Please see attached letter of intent

Attachment: Z-1996-02B application 111623 (28027 : Z-1996-02B, 1621 Niagara Falls Blvd)

12. Quantitative Data:

A. Total # of dwelling units N/A

B. Distribution of dwelling units by type N/A

C. Gross Residential Density per acre N/A

D. Total amount of Open Space N/A

E. Proposed Non-Residential Floor Area N/A

13. Development Schedule:

Start Existing

Finish Existing

Stages (# of) Existing

14. If any portion of the proposed development is planned to be sold or leased, please describe:

N/A

15. Open Space ownership and maintenance provisions (if applicable):

N/A

16. Basis for Findings (Sec. 8-3-5 of the Town Zoning Code) (Attach sheets and supplemental materials as necessary.)

A. <u>The proposed zoning and development plan must be generally consistent with the policies of the Comprehensive Plan and the Town Zoning Ordinance.</u>

1. State in detail why the proposed zoning is consistent with the adopted <u>Town of Amherst Bicentennial Comprehensive Plan</u>. 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 <u>www.amherst.ny.us</u>). Add sheets as needed.

Please see attached letter of intent

Attachment: Z-1996-02B application 111623 (28027 : Z-1996-02B, 1621 Niagara Falls Blvd)

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.

   The proposed rezoning is consistent with the comprehensive plan.

3. State why the proposed zoning is consistent with intent and objectives (Sec. 1-2-2) of the Zoning Ordinance:

   Please see attached letter of intent

B. Adequate Services and Utilities are available or are proposed to be made available with the construction of the development:

1. Sanitary Sewer Existing
2. Storm Sewer/Drainage Existing
3. Water Existing
4. Other

C. Compatibility with the present zoning and conforming uses of nearby property and with the character of the neighborhood:

Please see attached letter of intent

D. Suitability of the subject property for uses permitted by the current versus the proposed district:

Please see attached letter of intent

E. Whether the proposed change tends to improve the balance of uses, or meets a specific demand in the Town:

Please see attached letter of intent

Attachment: Z-1996-02B application 111623 (28027 : Z-1996-02B, 1621 Niagara Falls Blvd)

17. The petitioner encloses herewith the sum of $9,540 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 22 *day of* September, 2023

Notary Public, Erie County, New York Courtney L Adamo

COURTNEY L. ADAMO
Notary Public-State of New York
No. 01AD6413282
Qualified in Niagara County
Commission Expires January 25, 2026

N.Y.S. General Municipal Law - Section 809 Disclosure in certain applications:

1. Every application, petition or request submitted for a variance, amendment, change of zoning, approval of a plat, exemption from a plat or official map, license or permit, pursuant to the provision of any ordinance, local law, rule or regulation constituting the zoning and planning regulations of a municipality shall state the name, residence and the nature and extent of the interest of any state office or any office or employee of such municipality or of a municipality of which such municipality is a part, in the person, partnership or association making such application, petition or request (hereinafter called the applicant) to the extent known to such applicant.

2. For the purpose of this section an officer or employee shall be deemed to have an interest in the applicant when he, his spouse, or their brothers, sisters, parents, children, grandchildren, or the spouse of any of them

(a) is the applicant, or
(b) is an officer, director, partner or employee of the applicant, or
(c) legally or beneficially owns or controls stock of a corporate applicant or is a member of a partnership or association applicant, or
(d) is a party to an agreement with such an applicant, express or implied, whereby he may receive any payment or other benefit, whether or not for services rendered, dependent or contingent upon the favorable approval of such applicant, petition or request.

3. In the county of Nassau the provisions of subdivisions one and two of this section shall also apply to a party officer. "Party Officer" shall mean any person holding any position or office, whether by election, appointment or otherwise, in any party as defined by subdivision four or section two of the election law.

4. Ownership of less than five per cent of the stock of a corporation whose stock is listed on the New York or American Stock Exchanges shall not constitute an interest for the purposes of this section.

5. A person who knowingly and intentionally violates this section shall be guilty of a misdemeanor.

Attachment: Z-1996-02B application 111623 (28027 : Z-1996-02B, 1621 Niagara Falls Blvd)

Rezoning Application Requirements and Checklist

The following checklist outlines the information required by the Town of Amherst to accept a Rezoning application. ***It is strongly recommended that you make an appointment with Planning Staff to discuss what information will be needed to address the items shown on the checklist.***

Item No.	Item	Submitted	Official use
I Application Information			
1.0	**Town of Amherst Rezoning / Comprehensive Plan Amendment Application Form (available from Planning Department)**		
1.1	Name, address, and contact information of the petitioner		
1.2	Name and address of property owners(s) – if different than petitioner		
1.3	If petitioner is different than property owner, provide statement describing interest in property and a letter from the property owner authorizing the application		
1.4	Identify existing and proposed zoning and acreage of area proposed to be rezoned		
1.5	Parcel addresses and Section, Block, and Lot (SBL) numbers of all properties proposed to be rezoned. Indicate if a portion of any parcel is involved, if applicable		
1.6	Statement of planning objectives to be achieved by the proposed rezoning, including the following: • How the proposed zoning and development plan meets the objectives of the Comprehensive Plan • A description of the character of the proposed development • The rationale behind the assumptions that are presented		
1.7	Cite specific maps and / or figures in the Comprehensive Plan that must be amended to support the proposed zoning and provide suggested amendments		
1.8	A general statement about how any proposed open space will be maintained (if applicable)		
1.9	A development schedule indicating the approximate date when construction is expected to begin and be completed. Identify schedule of any proposed phasing of the development (attach pages as necessary)		
1.10	A statement of the petitioner's intentions regarding future sale or leasing of all or portions of the proposed development		
II Survey and Legal Description			
1.0	**Complete boundary survey that includes all existing structures, acreage, legal description, and easements plotted to scale by a NYS licensed land surveyor**		
1.1	Raised/wet seal and signature of licensed surveyor		
1.2	Clear delineation and acreage of area to be rezoned if different than property boundary		
2.0	**Legal Description of the total area proposed to be rezoned. (must be consistent with area shown to be rezoned on boundary survey)**		

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

Attachment: Z-1996-02B application 111623 (28027 : Z-1996-02B, 1621 Niagara Falls Blvd)

Item No.	Item	Submitted	Official use
III Concept Plan (if required by the Planning Board)			
1.0	**Conceptual development plan drawn to scale (no larger than 24" x36" format and folded into 8 ½" x 11" size)**		
1.1	North arrow		
1.2	Scale of drawing		
1.3	Property lines (existing and proposed)		
1.4	Unique natural features and tree cover		
1.5	Information on land controlled by the applicant located within 500 feet of the perimeter of the area proposed to be rezoned		
1.6	Location of all proposed structures and other improvements		
1.7	Number and type of dwelling units (if applicable)		
1.8	Gross square feet of commercial space (if applicable)		
1.9	Maximum structure heights		
1.10	Architectural sketches		
1.11	Existing and proposed contours		
1.12	Existing utility systems (sanitary sewers, water, storm drainage)		
1.13	Location of proposed storm water detention or retention facilities		
1.14	Proposed land use arrangement		
1.15	Location of all parking, loading, stacking and interior circulation drives		
1.16	Location of proposed curb cuts		
1.17	Location of cross access drives to adjacent parcels		
1.18	Pedestrian circulation system		
1.19	Location of NYSDEC wetlands (including buffer area) and/or federal wetlands; indicate jurisdictional status		
1.20	Location of floodway and 100-year floodplain (if applicable)		
1.21	Location and purpose of any proposed easements		
1.22	Location and proposed development of all open spaces, including parks, playgrounds, conservation areas, and dedicated open space; indicate intended ownership of such areas		
1.23	Additional data as required by the Planning Board		
V Other Required Information			
1.0	**Completed and signed Environmental Assessment Form**		
11	Soil boring report and geotechnical report prepared by a qualified Professional Engineer (if applicable)		
1.2	Traffic impact study (if applicable)		
1.3	Archaeological assessment (if applicable)		
1,4	Wetland Delineation report (if applicable)		
2.0	**8 1/2" X 11" reduction of concept plan drawing (see appendix B)**		
3.0	**A CD containing a PDF of the complete submittal package, including all drawings.**		

For official use only:

_____
Approved/Date

Attachment: Z-1996-02B application 111623 (28027 : Z-1996-02B, 1621 Niagara Falls Blvd)

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:		
Project Location (describe, and attach a location map):		
Brief Description of Proposed Action:		
Name of Applicant or Sponsor:	Telephone:	
	E-Mail:	
Address:		
City/PO:	State:	Zip Code:

	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:	☐	☐

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

4. Check all land uses that occur on, are adjoining or near the proposed action:

☐ Urban ☐ Rural (non-agriculture) ☐ Industrial ☐ Commercial ☐ Residential (suburban)
☐ Forest ☐ Agriculture ☐ Aquatic ☐ Other(Specify):
☐ Parkland

Attachment: Z-1996-02B application 111623 (28027 : Z-1996-02B, 1621 Niagara Falls Blvd)

	NO	YES	N/A
5. Is the proposed action,			
a. A permitted use under the zoning regulations?	☐	☐	☐
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-1996-02B application 111623 (28027 : Z-1996-02B, 1621 Niagara Falls Blvd)

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: _____		
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: _____ Date: _____

Signature: _____ Title: _____

Attachment: Z-1996-02B application 111623 (28027 : Z-1996-02B, 1621 Niagara Falls Blvd)

PRINT FORM

CRITERIA FOR THE REQUIRED 8½" X 11" REQUIRED DRAWING REDUCTIONS

Graphic Standards:

- This BLACK and WHITE drawing will be used as an overhead presentation displayed during the Planning Board's monthly meeting as well as copied for distribution to each Planning Board member, and filed for public review. Clarity and legibility of this graphic are essential.
- Two (2) copies of an 8½" x 11" Concept or Site Plan are required for **ALL** Site Plan, Subdivision, and Open Development Area submittals in addition to the standard size copies of plans required by the application.
- Site Plan submittals shall also include 8½" x 11" reductions of the Landscape Plan and building elevations.
- Each time a revision is made to standard size Concept or Site Plan drawings submitted for approval, two (2) revised 8½" x 11" graphics must also be submitted.
- Two (2) copies of an 8½" x 11" Concept Plan are required for Rezoning submittals which include standard size Concept Plans.
- The Town of Amherst Planning Department reserves the right to require additional information or modify the submitted drawing for presentation purposes.
- Each submitted drawing becomes the property of the Town of Amherst.
- Illegible 8½" x 11" graphics may result in rejection of the submittal by the Planning Department or may result in removal from the Planning Board agenda.

Information to be provided and clearly labeled:

- ALL labels, dimensions, and other notations must be clear and legible at 8 ½ x 11" size.
- ALL existing and proposed building footprints.
- Significant natural and man-made site and building features.
- ALL existing and proposed street names.
- Property lines.
- North arrow, date of preparation, and latest revision date for each sheet.
- Retention/Detention ponds.
- State and Federal wetlands.
- Berms

Attachment: Z-1996-02B application 111623 (28027 : Z-1996-02B, 1621 Niagara Falls Blvd)

Additional Information to be provided but not labeled:

- Parking, loading, and stacking layouts (directional arrows – optional).
- Curb cuts for developed properties on opposite sides of street.
- Landscaping should be included in a manner not to interfere with presentation clarity.
- ALL existing and proposed sidewalks, paths, and bikeways.

Information NOT to be provided on 8½" x 11" graphic unless specifically requested:

- Utility information/data.
- Contour lines/elevation data.
- Dimension lines.
- Shading for any site feature(s).
- Site data/calculations.
- Plant lists.
- Building elevations, drainage profiles, sign graphics, etc.

Attachment: Z-1996-02B application 111623 (28027 : Z-1996-02B, 1621 Niagara Falls Blvd)

TOWN OF AMHERST
ENGINEERING DEPARTMENT
ERIE COUNTY NEW YORK

PAUL M. BOWERS, P.E., TOWN ENGINEER

September 24,1999

TO: TECHNICAL STAFF

FROM: Paul M. Bowers, P.E.

RE: ERIE SEWER DISTRICT NO. 5 – COMMERCIAL/INDUSTRIAL NEW AND EXISTING BUILDINGS

Attached is a copy of the letter from ECSD #5 regarding the above subject. This would apply to all site plan reviews and construction which might occur on the Amherst side of ECSD #5.

The essence of their request is to make sure that petitioners apply as early as possible (earliest rezoning stage), but certainly as early as the site plan review stage, to the Erie County's Division of Sewerage Management (DSM). By submitting building and plumbing plans early in the review process to the County (DSM), petitioners will not be denied nor delayed in seeking access while current reviews are being held.

If you review any rezonings and site plans for those areas along Transit Road within ECSD #5, petitioners should be advised that early submittal (of building and plumbing plans) to the DSM is necessary.

PMB:rb
Att.
Cc & Att: Thomas C. Ketchum, P.E., Building Commissioner
Richard Gillert, Planning Director

RECEIVED
SEP 28 1999
TOWN OF AMHERST
PLANNING DEPT.

ENGINEERING OFFICE · SEWER MAINTENANCE
110 N. FOREST ROAD
WILLIAMSVILLE, NY 14221
(716) 631-7154 · FAX: (716) 631-7222

WASTEWATER TREATMENT FACILITY · ENVIRONMENTAL CONTROL
455 TONAWANDA CREEK ROAD
AMHERST, NY 14228
(716) 691-9771 · FAX: (716) 691-4496

Attachment: Z-1996-02B application 111623 (28027 : Z-1996-02B, 1621 Niagara Falls Blvd)

TOWN OF AMHERST
ENGINEERING
DEPARTMENT
JUL 12 2 04 PM '99

County of Erie

DENNIS T. GORSKI
COUNTY EXECUTIVE

DEPARTMENT OF ENVIRONMENT AND PLANNING

RICHARD M. TOBE
COMMISSIONER

CHARLES J. ALESSI, P.E.
DEPUTY COMMISSIONER
Sewerage Management

July 9, 1999

Amherst Town Board
5583 Main Street
Williamsville, New York 14221

RE: Erie County Sewer District No. 5
Commercial/Industrial New and Existing Building
Construction and Change in Existing Establishments

Honorable Town Board:

This letter is written to remind you that any new commercial and/or industrial buildings or a change in use of an existing building within your service area requires the submittal of an Industrial Waste Survey (IWS), complete with detailed plans, to Erie County's Division of Sewerage Management (DSM) for review and approval.

Your community, as a member of the Erie County Sewer District No. 5 (ECSD #5), is required to participate in the District's EPA Approved Pretreatment Program. This program, mandated under federal law, requires review and inventory of all new non-residential facilities in the service area to determine if they fall under the pretreatment program. This review will also determine if the new facilities require an Industrial Wastewater Discharge Permit. Furthermore, as part of ECSD #5, your community must comply with The Rules and Regulations for Erie County Sewer Districts. These Rules and Regulations include additional requirements for non-residential facilities connecting to the sanitary sewer within the service area. The review of the plans for new facilities will insure compliance.

While there has not been a problem with new buildings incorporating new sewer connections, it is becoming more of a problem with existing commercial establishments that have changed ownership, expanded, and/or been renovated for a different use, without any review by the DSM. This includes such projects as: (a) where a building is demolished and a new facility is built at

Attachment: Z-1996-02B application 111623 (28027 : Z-1996-02B, 1621 Niagara Falls Blvd)

the same location; and (b) establishments that change their use such as a store turned into a bakery or a gas station turned into a restaurant.

A specific problem that tends to reoccur is the question of grease traps. The District requires all food serving establishments to have exterior grease traps installed. Some Towns only require the under the sink traps. However, the District has found them to be generally inadequate in most situations.

The District suggests that in the future, completion of the Industrial Waste Survey and review of plans be done by the DSM prior to approval and issuance of building permits for non-residential buildings. Currently, there is no fee required by the DSM for this review. The review is vital for the District's Industrial Waste section to maintain the proper inventory of non-residential facilities in the service area pursuant to federal regulations. Failure to do so could result in substantial costs to property owners to bring their facilities into compliance if construction occurs prior to plan approval.

In a related matter, it is extremely important that where existing sewer laterals are not being reused, they are properly capped and sealed. It has been our experience that if the old sewers are not properly capped, it allows excessive inflow and infiltration into the sewers and unwanted debris. This can cause problems such as unnecessary surcharging and/or plugging of sewers and flooded basements or the undermining of paved areas such as sidewalks, roads and parking areas. Proper capping of sanitary sewer laterals is also required under the District's Rules and Regulations. If the existing sewer laterals are to be reused by a new building, they need to be inspected and tested to see that they are still structurally sound.

It is the District's hope that by working in a cooperative manner, the integrity of the entire sewerage system will ultimately improve, thereby reducing inflow and infiltration, and thus saving money for both your community and the District.

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If you have any questions, please feel free to contact me at 858-7537.

Very truly yours,

Charles J. Alessi, P.E.
Deputy Commissioner

CJA/ss
cc: ECSD #5 Board of Managers
Susan Grelick, Supervisor, Amherst
Paul Bower, Tn. Engineer, Amherst
Town of Amherst Building Inspector
L. Pohl
G. Absolom
G. Devlin/L. Sedita/File
SS006

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The proposed zoning map amendment must be submitted in the form of a local law and must be provided both as a paper copy and in electronic form as a Microsoft **Word** document. The electronic copy may be submitted with the application on a CD ROM or e-mailed to the Planning Department. The form may be downloaded from the Town's website at:

http://www.amherst.ny.us/pdf/planning/applications/application_rezoning.pdf

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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 _____ FROM _____ TO _____ AND TO (address) 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 _____(address)_____ from _____ to _____ and to 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 _____ from _____ to (address) _____ 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 _____ to _____ 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.

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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\Forms\Local Law (Master).doc

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TOWN OF AMHERST PLANNING DEPARTMENT

SUBMITTAL OF REVISED SURVEY & LEGAL DESCRIPTION

For Official Use

File #_____
(SAME Z # AS ORIGINAL FILE)

Materials Checked by
Building Dept._____
RECEIVED BY DATE

Materials Received by
Planning Dept._____
RECEIVED BY DATE

Materials Accepted by
Town Clerk_____
RECEIVED BY DATE

TO BE COMPLETED BY APPLICANT

ONLY IF LEGAL DESCRIPTION HAS BEEN REVISED

1. **Petitioner:**

Name:_____

Address:_____

_____

_____

City State Zip Code

Phone:_____Fax:_____
E Mail _____

2. **Street address of land to be rezoned:**

_____

_____

3. **Submitted by:**

Name:_____

Address:_____

Required Materials:

- ☐ Revised Survey and Legal Description
- ☐ Legal Description in the form of a Local Law
- ☐ Legal Description in a Microsoft Word Document

P/Currplan/Applications Working Docs/Revised Survey Submittal Form

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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. 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:
   _____
   _____

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 peak hour upon completion of project_____
   Source: _____

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:
    _____ 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.)

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

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BENDERSON DEVELOPMENT
570 DELAWARE AVENUE
BUFFALO, NY 14202
716.886.0211.P 716.886.2269.F

September 21, 2023

Brian Kulpa, Supervisor.
Town of Amherst
Town Attorney's Office
5583 Main Street
Williamsville, NY 14221

RE: Request a Modification to Amended SEQRA Findings
1621 Niagara Falls Blvd
The Boulevard Shopping Center (BDP# 2245)

Dear Supervisor Kulpa:

In connection with the above-referenced property, on June 16, 2023, the Town adopted an Amended Certification of Findings for the above-referenced property. A copy of the SEQRA Findings is attached as **Exhibit A**. The purpose of this letter is to request that those SEQRA Findings be modified.

The SEQRA Findings at Section 6 - Land Use & Zoning (DEIS Sec.V.B) provides the following:

i. No signage shall be placed on the rear of any structure that is visible from a public right-of-way, Such as Ridge Lea Road, North Baily Avenue, Romney Road and the proposed Romney Road extension.

j. Only one (1) pole, pylon or ground sign identifying the name of the development shall be permitted No pole, pylon, or ground signs shall be permitted on Ridge Lea Road, North Baily Avenue and Romney Road.

We respectfully request that these conditions be removed from SEQRA Findings. Since 2007, the area has significantly changed. A copy of the current overall plan for the area is attached as **Exhibit B**. Benderson owns all of the property across Romney Road from this property as well as all of the property across North Baily Avenue from this property. In addition, Benderson is developing the property across North Bailey Ave with a large shopping center anchored by Costco and Dick's House of Sports. In addition, Benderson has redeveloped the property to the south across Romney Road with TJ Maxx, Home Sense, HomeGoods, and Sierra Trading Post. Further, Benderson and Delta Sonic are relocating their office headquarters to Amherst Development Park on Romney Road.

Further, Benderson considers all these properties as one large shopping center. Benderson is in the process of making architectural changes to the buildings so that the rear of the buildings are being redeveloped to mimic the front of the buildings.as demonstrated as **Exhibit C**. In recreating the front of the building on the back, Benderson would like to add consistent signage.

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BENDERSON DEVELOPMENT
570 DELAWARE AVENUE
BUFFALO, NY 14202
716.886.0211.P 716.886.2269.F

We believe this request is consistent with the area and will result in an improvement to the shopping center. If there are any questions regarding this letter, 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: Martin A. Polowy, Esq
Daniel Howard, Planning Director

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Exhibit A

Attachment: Z-1996-02B application 111623 (28027 : Z-1996-02B, 1621 Niagara Falls Blvd)

Amherst

Town of Amherst Planning Department *Erie County, New York*

Susan J. Greli
Supervisor
Eric W. Gillert,
Planning Direc
Gary Black, Al
Assistant Planning

to

SITE PLAN REVIEW FOR BOULEVARD CONSUMER SQUARE
1621 NIAGARA FALLS BLVD. ~~(SP-5-97)~~ Z-1996-02
AMENDED CERTIFICATION OF FINDINGS

Having considered the Draft EIS, Final EIS, and Statement of Findings, as amended and corrected, adopted by the Town Board and Planning Board, having considered the preceding written facts and conclusions relied upon to meet the requirements of 6 NYCRR 617, this Statement of Findings certifies that:

1. The requirements of 6 NYCRR Part 617 have been met;

2. Consistent with the social, economic and other essential considerations from among the reasonable alternatives thereto, the action **approved** is one which minimizes or avoids adverse environmental effects to the maximum extent practicable; including the effects disclosed in the Environmental Impact Statement, and

3. Consistent with social, economic and other essential considerations, to the maximum extent practicable, adverse environmental effects revealed in the Environmental Impact Statement process will be minimized or avoided by incorporating as conditions to the decision those mitigative measures which were identified as practicable.

TOWN OF AMHERST
Name of Agency

Signature of Responsible Official

SUSAN J. GRELICK
Name of Responsible Official

SUPERVISOR
Title of Responsible Official

JUNE 16, 2003
Date

5583 MAIN STREET, WILLIAMSVILLE, NY 14221
Address of Agency

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RESOLUTION

WHEREAS, following the May 1, 1996, submittal of a Draft Environmental Impact Statement (DEIS) prepared by Clough, Harbour & Associates on behalf of First Amherst Development/Randall Benderson 1973-1 Trust, the DEIS was accepted by the Town Board on May 6, 1996. The DEIS was submitted for the proposed rezoning from RD (Research Development) to GB (General Business) and development of 37.2± acres of land located at the rear of 1621 Niagara Falls Boulevard. On May 16, 1996, the Planning Board held a public hearing on the DEIS and rezoning request and recommended approval of the subject petition. Subsequently, a public hearing on the DEIS and rezoning request was held by the Town Board on June 17, 1996. A Final Environmental Impact Statement (FEIS) was accepted by the Town Board on December 2, 1996 and a Notice of Completion of the FEIS was filed on December 4, 1996; and

WHEREAS, a request to amend the Certification of Findings in a manner consistent with the DEIS and FEIS was submitted on February 4, 2003. On May 15, 2003, the Planing Board held a public hearing on this request and recommended approval of the subject request. Subsequently, a public hearing was held before the Town Board on June 16, 2003. The revised Certification of Findings was issued at the same meeting.

WHEREAS, the Planning and Town Boards have considered the content of the DEIS, the FEIS, and all other documents and comments and submissions made during and after the hearings.

NOW THEREFORE THE PLANNING BOARD FINDS AND DETERMINES THAT:

1. These Findings set forth specific conditions and criteria consistent with 6 NYCRR Sections 617.7, 617.9, 617.11, and 617.12 under which the site plan process can proceed. This process provides procedures to supplement the FEIS if necessary and for public notice and opportunity to participate in hearings before the Town Planning Board before it approves a site plan. An Environmental Assessment Form and an Erosion & Sedimentation Control Plan will be required with site plan application for environmental review. If the proposed development does not conform with these Findings, a Supplemental Findings Statement, a supplement to the FEIS, or a Negative Declaration shall be prepared to comply with 6 NYCRR Section 617.9.

2. The proposed commercial development as presented in the FEIS is consistent with the intent and objectives of the Zoning Ordinance.

3. Adequate services and utilities must be available prior to occupancy. Review and approval of services and utilities by the Town agencies will be required for site plan approval.

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4. Development will be consistent with all other applicable laws, rules and regulations.

5. HYDROLOGY AND DRAINAGE (DEIS Sec. IV. A.)

a. Town policy requires that all developments provide facilities adequate to assure disposition of surface water without adverse effect on other property. The Town of Amherst Engineering and Building Departments shall review, approve, and monitor proposed drainage plans and the impacts of proposed developments on the entire watershed. The developer will retain a professional engineer to calculate the size locations of all storm water detention areas for site plan review. All designs and engineering calculations must then be approved by the appropriate town, state or federal agencies having jurisdiction over this project. The DEIS drainage studies thoroughly analyze existing drainage problems and increased runoff from new development and how the stormwater detention basins will mitigate impacts related to both problems. The proposed detention basins are integral parts of the drainage system and are designed to protect downstream areas. The developers will pay for these improvements as the project is built.

b. Town drainage ditches TA-3 and TA-2 which currently flow north and east across the property will be relocated to the north side of the proposed Romney Road extension and the west side of North Bailey Avenue. The specific design of the relocated ditches must be approved by the Town of Amherst Engineering and Highway Departments. The construction of a series of culverts along the ditch and under North Bailey Avenue as proposed in Sec. IV-A. of the DEIS will not be permitted.

c. A stormwater detention site will be constructed adjacent to the northeast corner of the site in two sections, one located contiguous to the proposed development, the second across Ridge Lea Road adjacent to the I-290. These sites will provide the required 16.3 acres of stormwater detention area needed to meet Town of Amherst requirements (as per Sec. IV A., DEIS) and will provide additional capacity to alleviate downstream flooding from the proposed development for a 50 year event.

d. The project sponsor anticipates that the stormwater detention areas described above will be acquired from New York State. Should the project sponsor be unable to purchase the land, the site layout shall be redesigned to accommodate detention of all stormwater on-site. The redesigned stormwater detention shall be adequate to assure disposition of surface water without adverse effect on other property. The Town of Amherst Engineering and Building Departments shall review, approve and monitor proposed drainage plans and the impacts of proposed developments on the entire watershed. The developer will retain a professional engineer to calculate the size and locations of all storm water detention areas. All designs and engineering calculations must then be approved by town, state or federal agencies having jurisdiction over this project.

e. No landscaping may be planted or berms constructed over the relocated and tiled ditches unless approved by the Town of Amherst Highway and Planning Departments. Sufficient landscaped areas to accommodate required landscaping and/or berms as determined by the Planning Department will be provided adjacent to the relocated ditches.

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f. The parking lot of the proposed development shall not be used for stormwater detention.

g. The petitioner shall design, construct and maintain ponded areas in a manner that discourages or eliminates mosquito propagation. The Highway Department's mosquito control operation (DEIS has been approved by the NYSDEC) shall have permission to monitor for mosquito larvae and shall treat the water with larvicide if the situation warrants it.

h. The Highway Department requires that proper pond maintenance, such as mowing and eliminating standing water, be performed. Pond maintenance shall be the sole responsibility of the property owner.

i. The developer shall fund up to a maximum amount of $20,000 for the construction of a connection between the "Evergreen" ditch and an existing ditch within an abandoned railroad right-of-way in the Town of Tonawanda if the Town of Tonawanda can secure permission for this work from property owners or otherwise as the Town of Tonawanda may deem appropriate.

j. The developer shall contribute $25,000 to the Town of Tonawanda for the purpose of funding a drainage study of the "Evergreen" ditch.

k. The Town of Tonawanda will be given an opportunity to review drainage plans as part of all site plan applications for this project. Their input shall be sought and where appropriate will be incorporated into the final design.

l. Implementation of New York State Soil Erosion & Sediment Control measures shall insure that water quality in Town Ditches TA-2 and TA-3 will not be negatively impacted. The Engineering Department shall require submittal of an erosion control plan with the site plan application and a specific erosion control plan with any subsequent site plan request.

m. During construction, all construction equipment should be properly maintained to prevent contamination due to spills. During operation, the perched water table will be controlled by on site drainage. Road salt should be used only as necessary and pesticide applications, if required, applied professionally.

n. Mitigation for potential pollutants and sediments shall include a properly designed, constructed and maintained storm water system designed to the satisfaction of the Town Engineer. Catch basins and other storm structures will provide areas for trapping and removal of sediments and pollutants, especially grease and oils. Swales and detention basins will also allow sediments and pollutants to settle out of surface water. Plant materials shall be used in these areas to further act as a water emission cleanser.

6. LAND USE & ZONING (DEIS Sec. V. B.)

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a. The proposal is consistent with Part I, Section 2-1.11 of the Zoning Ordinance which seeks to guide the future development of the Town so as to bring about the gradual conformity of land and building uses in accordance with the objectives of the Comprehensive Plan.

b. Wherever possible, the project will retain or relocate existing trees.

c. A tree survey shall be provided for the entire site, including the stormwater detention areas, identifying the type, size and location of all trees 4 inches in caliper or larger.

d. To visually break-up the massiveness of the parking lot and improve pedestrian safety, the petitioner shall provide four (4) concrete pedestrian walkways through the parking lot at regular intervals to connect buildings within the development. Each sidewalk shall be five (5) feet wide with ten (10) foot wide curbed landscaped panels on each side of the sidewalk, except in driving lanes. Shade trees of species approved by the Planning Department shall be planted at forty (40) foot intervals on both sides of the sidewalk; the plantings shall be staggered to avoid being opposite each other on each side of the sidewalks.

e. Curbed landscape islands shall be placed at regular intervals throughout the parking lot. Where practical, each island shall contain two deciduous shade trees.

f. A minimum of 20% of the site must be landscape area.

g. The petitioner shall be encouraged to bring the existing K-Mart parcel into compliance with the Town's current landscape regulations.

h. Foundation landscaping shall be required at the perimeter of each building.

i. No signage shall be placed on the rear of any structure that is visible from a public right-of-way, such as Ridge Lea Road, North Bailey Avenue, Romney Road, and the proposed Romney Road extension.

j. Only one (1) pole, pylon, or ground sign identifying the name of the development shall be permitted. No pole, pylon, or ground signs shall be permitted on Ridge Lea Road, North Bailey Avenue, and Romney Road. This excludes directional signs at driveways or other traffic control signs that do not have logos or advertising.

k. DELETE ON 6/16/03.

l. No outdoor public address systems will be permitted.

m. The project owner or its successors will confine exterior cleaning operations, deliveries, garbage collection, or other activities that exceed ambient noise levels to the hours of 7:00 AM to 11:00 PM.

n. All loading docks and paved areas at the rear of structures along Ridge Lea Road, North Bailey Ave., and Romney Road extension must be screened and/or buffered by

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berms landscaping, fences and/or walls. In addition, the following must be provided at the rear of the proposed structure located east of the existing "K-Mart" building:

1. That a ten (10) foot high masonry wing-wall be provided to screen and buffer the view of the proposed loading docks and trucks making deliveries at those docks from both Ridge Lean Road and existing residences adjacent north.

2. That an eight (8) foot high fence and/or wall provided along the rear of the proposed structure. Evergreen and deciduous trees and shrubs must be provided to buffer the appearance of the wall and to help screen the structure from Ridge Lea Road. The Planning Board will determine at Site Plan Review the location and species of plantings and the length and materials of the fence or wall.

o. That the petitioner request permission from the owners of the existing "K-Mart" building to construct an eight (8) ft. high fence and/or wall along the rear or north property line to screen the building from Ridge Lea Road. If permission is granted, the petitioner shall cause the fence to be installed. The petitioner shall also make every effort to work with the owner and/or operators of the "K-Mart" store to remove trash and debris from their property, particularly along Ridge Lea Road.

7. FISCAL ANALYSIS (Sec. IV. G. DEIS)

a. The fiscal impact of the project is discussed in Sec. IV.G. of the DEIS. That analysis indicates that the proposed project will have a beneficial economic impact on the Town.

8. COMMUNITY SERVICES (Sec. IV. C. DEIS)

a. The Engineering Department shall review site specific development plans to determine the adequacy of the water supply and the location of fire hydrants for fire protection purposes. A plan for ownership and maintenance of all drainage facilities will be required for site plan review. Any discharge of storm water into protected streams shall require a permit from the NYSDEC. The waterlines will be looped with existing lines on North Bailey Avenue, Romney Road, and Niagara Falls Blvd. The waterline along Niagara Falls Blvd. shall be replaced by the developer.

b. Water and sewer services will be designed and constructed in accordance with the Erie County Water Authority, Erie County Health Department, NYSDEC, the Town of Amherst and any other agencies having jurisdiction over the project. If the parcel across Ridge Lea Road adjacent to the I-290 is used for stormwater detention purposes, a sanitary sewer easement will be granted to the Town of Amherst by the developer for sanitary sewer flows at a location to be determined by the Town Engineer.

c. The project sponsor will adhere to all design and maintenance requirements and guidelines of the owners of private pipelines impacted by this project. Written approval of the design of the development from all such pipeline owners will be required prior to site plan approval. The developer will assume all costs associated with relocating the pipeline, if required, and any damages incurred during development of the project.

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d. The developer or its successors shall assume costs associated with pipeline maintenance and repairs necessitated by the development of this project, including but not limited to pavement repairs.

e. All future occupants of the development will be made aware of the potential for possible disruptions in their operation due to pipeline maintenance and repair. Those occupants will not seek compensation from the pipeline owners or their successors for losses incurred as a result of such disruptions.

f. The pipelines will not be left exposed during construction activities. All utilities must pass below the pipelines at a depth required by the pipeline owners. An on-site inspector will be present as required by pipeline owners during construction.

g. Private refuse collection will be utilized.

9. TRANSPORTATION (Sec. IV. D.)

a. An internal north-south circulation drive shall be provided between Romney Drive and Ridge Lea Road.

b. The Romney Road extension will be dedicated to the Town of Amherst. Design, alignment, and right-of-way width will be determined by the Town of Amherst. The petitioner will complete the Romney Road extension to North Bailey Avenue prior to issuance of any conditional, temporary, or permanent certificate of occupancy.

c. The eastbound approach of the Romney Road extension at North Bailey Avenue will consist of one left turn lane, one right turn lane, and one entrance lane.

d. The alignment of the Romney Road extension's terminus at North Bailey Avenue with the existing Amherst Commerce Park driveways across North Bailey Avenue shall be approved by the Town of Amherst as part of site plan review.

e. The number, design, and location of curbcuts from the development to North Bailey Avenue shall be approved by the Town of Amherst as part of site plan review.

f. The number, design, and location of curbcuts from the development to Ridge Lea Road shall be approved by the Town of Amherst as part of site plan review.

g. The number, design, and location of curbcuts from the development to Romney Road and the Romney Road extension shall be approved by the Town of Amherst as part of site plan review.

h. The developer will construct a left turn lane on North Bailey Avenue to service the Romney Road extension intersection and all site access drives. The design and alignment of the turn lane shall be approved by the Town of Amherst at site plan review.

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i. The developer will provide an eastbound right turn lane into the site access drive on Ridge Lea Road east of the existing K-Mart. The design and alignment of the turn lane must be approved by the Town of Amherst at site plan review

j. The northbound approach of the eastern site access drive on Ridge Lea Road will consist of one entrance lane, one outbound right turn lane, and one outbound left turn lane.

k. The developer or its successors shall conduct a signal warrant analysis at both the intersection of the Ridge Lea Road site access drive east of the existing K-Mart and the intersection of the Romney Road extension and North Bailey Avenue when the development reaches 75% occupancy of the entire project, including that portion constructed on land currently zoned GB (75% occupancy will be defined as 415,000 gross square feet of occupied space). If a signal is not warranted at either location, a second warrant analysis will be conducted when over 500,000 gross square feet is constructed and 90% occupancy is achieved. The developer or its successors will be required to pay for all costs associated with the provision of a signal at both locations at any time that it is determined by the Town that warrants are met. This shall include interconnection with nearby signals and pavement modifications as necessary.

l. The developer or its successors shall conduct a study of the intersection of the existing site driveway west of K-Mart on Ridge Lea Road to determine if any traffic safety problems exist. This analysis shall be completed when the project achieves 75% occupancy as defined in (9-k.) above. The developer or its successors will be required to close this driveway at the first opportunity permitted by lease arrangements with existing tenants if a traffic-safety problem is identified.

m. The developer will provide an internal connection to the existing Tim Horton's doughnut shop if an agreement can be reached with the doughnut shop ownership.

n. The developer will meet the requirements of the NYSDOT for a second right turn lane from westbound Ridge Lea Road onto Niagara Falls Blvd. at site plan review.

o. Sidewalks shall be required along the perimeter of all public roads adjacent to the plaza; sidewalk along Ridge Lea Road will be required at the time of construction of building(s) adjacent to that road or earlier if required by the Town Board.

p. The developer will provide a driveway to Romney Road from the Romney Research Park at a location that will be approved by the Town of Amherst at site plan review.

q. The developer will lengthen the left turn storage lane on the southbound left turn lane on the North Bailey Avenue approach to Maple Road as recommended by Erie County.

r. The requirements of Erie County relative to transportation shall be met.

t. The requirements of the Niagara Frontier Transportation Authority relative to public transportation shall be met.

Attachment: Z-1996-02B application 111623 (28027 : Z-1996-02B, 1621 Niagara Falls Blvd)

u. The mitigations stated in the NYSDOT letters of June 27, 1996 and August 23, 1996 to the Town of Amherst Planning Director shall be implemented to the satisfaction of the NYSDOT; all other requirements of the NYSDOT relative to transportation shall be met.

v. The requirements of the NYSDOT and the Town of Amherst must be addressed prior to final site plan approval..

10. ARCHAEOLOGY (DEIS Sec. IV. E.)

a. The NYS Office of Parks, Recreation and Historic Preservation must confirm in writing the determination that the project will have no impact on cultural resources eligible for inclusion in the State & National Registers of Historic Places prior to site plan approval.

11. WETLANDS (DEIS Sec. IV. F.)

a. The project sponsor must submit an approved and valid US Army Corps of Engineers permit to the Town prior to final site plan approval..

12. The letters received from the Town of Tonawanda dated 2/26/96, 5/23/96, 7/31/96, 8/1/96, and 9/10/96 have been considered by the Town Board and they are directed to be added to the appendix of the FEIS.

GB/
csqfnd3.doc-disk

Attachment: Z-1996-02B application 111623 (28027 : Z-1996-02B, 1621 Niagara Falls Blvd)

Exhibit B

Attachment: Z-1996-02B application 111623 (28027 : Z-1996-02B, 1621 Niagara Falls Blvd)

EXISTING

SOUTH ELEVATION

PROPOSED

EXTERIOR STOREFRONT SIGNAGE 1/8" = 1'-0"

EXISTING

PROPOSED RENDERING

EXACT SIGN LOGO TBD. SIGNS SHOW ARE FOR PLACEHOLDER ONLY

BENDERSON DEVELOPMENT

Exhibit C

Attachment: Z-1996-02B application 111623 (28027 : Z-1996-02B, 1621 Niagara Falls Blvd)

Attachment: Z-1996-02B application 111623 (28027 : Z-1996-02B, 1621 Niagara Falls Blvd)

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 Patio

Project Location (describe, and attach a location map):
1561-1703 Niagara Falls Blvd. Town of Amherst, NY 14228

Brief Description of Proposed Action:
Modification of SEQRA Findings to remove conditions related to signs facing Romney Road, Ridge Lea and N. Baily.

Name of Applicant or Sponsor:	Telephone: 716-878-9626
Benderson Development Company, LLC	E-Mail: jamesboglioli@benderson.com

Address:
570 Delaware Ave

City/PO:	State:	Zip Code:
Buffalo	New York	14202

	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:	☑	☐

3. a. Total acreage of the site of the proposed action? 64.09 acres
   b. Total acreage to be physically disturbed? 0.02 acres
   c. Total acreage (project site and any contiguous properties) owned or controlled by the applicant or project sponsor? 157.5± acres

4. Check all land uses that occur on, are adjoining or near the proposed action:
   ☐ Urban ☐ Rural (non-agriculture) ☐ Industrial ☑ Commercial ☐ Residential (suburban)
   ☐ Forest ☐ Agriculture ☐ Aquatic ☐ Other(Specify):
   ☐ Parkland

Attachment: Z-1996-02B application 111623 (28027 : Z-1996-02B, 1621 Niagara Falls Blvd)

	NO	YES	N/A
5. Is the proposed action,			
a. A permitted use under the zoning regulations?	☐	☑	☐
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: N/A Existing	☑	☐

	NO	YES
11. Will the proposed action connect to existing wastewater utilities?		
If No, describe method for providing wastewater treatment: N/A Existing	☑	☐

	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-1996-02B application 111623 (28027 : Z-1996-02B, 1621 Niagara Falls Blvd)

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: Sheet drain to nearby storm infrastructures		
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

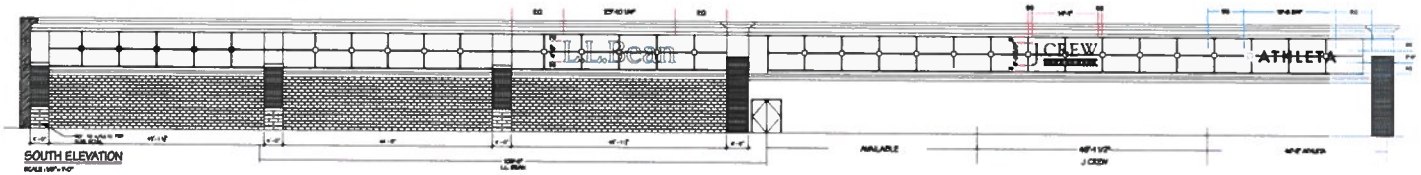
Applicant/sponsor/name: James A. Boglioli, Esq. Date: 09-22-23

Signature: _____ Title: Attorney

Attachment: Z-1996-02B application 111623 (28027 : Z-1996-02B, 1621 Niagara Falls Blvd)

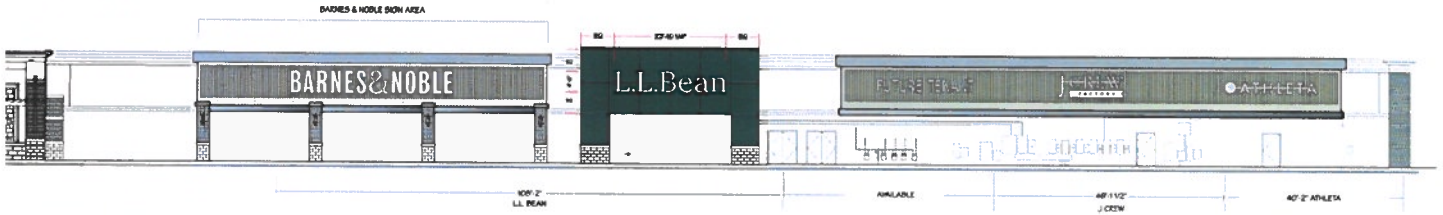
PRINT FORM

EXISTING





PROPOSED







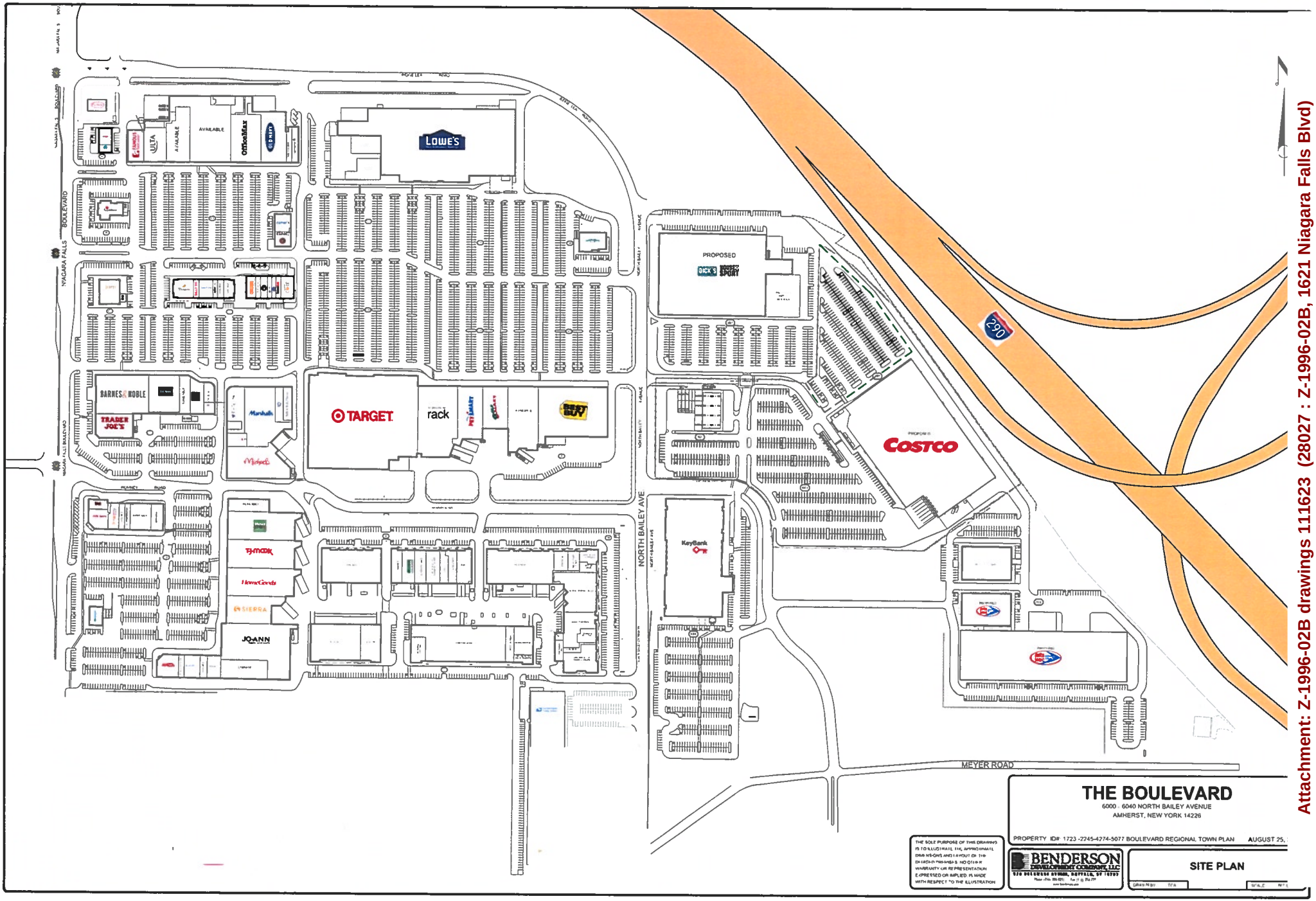
EXACT SIGN LOGO TBD. SIGNS SHOW ARE FOR PLACEHOLDER ONLY

EXTERIOR STOREFRONT SIGNAGE 1/8" = 1'-0"

BENDERSON DEVELOPMENT
575 DELAWARE AVENUE BUFFALO, NEW YORK 14202

PROPERTY: THE BOULEVARD
AMHERST, NY
PROJ # 2345 DRWG # 2345elev
BY C.ROZEK DATE 06.10.20 REVISION 06.23.25

Attachment: Z-1996-02B drawings 111623 (28027 : Z-1996-02B, 1621 Niagara Falls Blvd)



Attachment: Z-1996-02B drawings 111623 (28027 : Z-1996-02B, 1621 Niagara Falls Blvd)

TOWN OF AMHERST
PLANNING BOARD
ZONING RESOLUTION
Z-1996-02_B

PETITIONER

Benderson Development Co.
570 Delaware Avenue
Buffalo, NY 14202

PROPERTY LOCATION

1541-1703 Niagara Falls Boulevard

NOV 20 2023 AM9

WHEREAS the Town of Amherst Planning Board on Thursday, November 16, 2023 held a public hearing on the proposed amendment to the Certification of Findings for Boulevard Consumer Square for Signage, 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 amendment to the Certification of Findings is generally consistent with the policies of the Comprehensive Plan and the Zoning Ordinance.

B. The proposal is compatible with the present zoning and conforming uses of nearby property and with the character of the neighborhood.

C. The proposed change does tend to improve the balance of uses, or meets a specific demand in the Town.

D. 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.

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 amendment to the Certification of Findings be **approved subject** to the following conditions:

1. That the Certification of Findings be revised to include the following mitigation measures:

Attachment: Z-1996-02B signed resolution 111623 (28027 : Z-1996-02B, 1621 Niagara Falls Blvd)

TOWN OF AMHERST
PLANNING BOARD
ZONING RESOLUTION
Z-1996-02_B

PETITIONER

Benderson Development Co.

PROPERTY LOCATION

1541-1703 Niagara Falls Boulevard

NOV 20 2023 AM9

i. No signage shall be placed facing northerly, within 400 feet of the southern edge of the Ridge Lea Road right-of-way from a point at the intersection of the centerlines of Ridge Lea Road and Niagara Falls Boulevard between 400 feet and 1,500 feet easterly.

j. No pole, or ground signs shall be permitted along Ridge Lea Road beyond 300' of eastern edge of Niagara Falls Blvd and that message center signs are prohibited along any of the roadways adjacent to the development This excludes directional signs at driveways or other traffic control signs that do not have any logos or advertising.

The foregoing resolution was adopted by the Town of Amherst Planning Board, November 16, 2023; moved by Giuliani; seconded by Raffaele; ayes 6, noes 0; abstain 1 (Chmiel).

Robert J. Gilmour, Planning Board Chair

11-18-2023.
Date

TV/ac
X:\Current_Planning\Files\Rezonings\1996\Z-1996-02_B_(1565_1575-1659_&_1641-1703 _Niagara_Falls_Blvd)_2023\Z-1996-02_B_resolution_111623.doc
cc: Town Clerk
Commissioner of Building
Highway Superintendent
Town Engineer
Traffic/Safety Coordinator
James Boglioli, Benderson Development, 570 Delaware Avenue, Buffalo, NY 14202

Attachment: Z-1996-02B signed resolution 111623 (28027 : Z-1996-02B, 1621 Niagara Falls Blvd)

Amherst Planning Board
5583 Main Street
Williamsville, NY 14221

ADOPTED

Meeting: 11/16/23 06:30 PM
Department: Planning
Category: Miscellaneous
Prepared By: Amy Carrato
Initiator: Dan Howard
Sponsors:
DOC ID: 28025

PLANNING BOARD ITEM (ID # 28025)

Request to Amend the Bicentennial Comprehensive Plan from Commercial Office to Mixed Residential, BCPA-2023-03

Property located at 2280 Wehrle Drive
Michael Keller, Petitioner

To amend the Bicentennial Comprehensive Plan to change the land use designation on Figure 6 from "Commercial-Office" to "Mixed Residential" to allow for the potential rezoning and construction of a four (4) unit, two (2) story apartment building.

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

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

Following discussion, Ms. Penberthy moved to approve the request based on the resolution. The motion was seconded by Mr. Gill and carried. Ayes 7, Noes 0.

ATTACHMENTS:

- BCPA-2023-03 application packet 111623 (PDF)
- BCPA-2023-03 signed resolution 111623 (PDF)

RESULT:	**APPROVED [UNANIMOUS]**
MOVER:	Brittany Lee Penberthy, Board Member
SECONDER:	Harbinder Gill, Board Member
AYES:	Gilmour, Chmiel, Gill, Giuliani, Penberthy, Raffaele Jr., Kahn

Block, Longo, LaMarca
& Brzezinski, P.C.
ATTORNEYS | SINCE 1933
9276 MAIN STREET, CLARENCE, NY 14031
OFFICE: (716) 883-4967

WWW.BLOCKANDLONGO.COM

PARTNERS:

MARK J. LONGO, ESQ. — PRESIDENT/CEO
JOY LAMARCA, ESQ. — VICE PRESIDENT
KEVIN E. BRZEZINSKI, ESQ. — VICE PRESIDENT
JAMI DURANTE ROGOWSKI, ESQ.
GEORGE R. SLINGERLAND, ESQ.
BRITTNAY M. MCMAHON, ESQ.

CLARENCE OFFICE:

JEFFERY D. PALUMBO, ESQ., SPECIAL COUNSEL
CHRISTOPHER A. CARDILLO, ESQ., SPECIAL COUNSEL
JENNIFER A. HURLEY, ESQ., SPECIAL COUNSEL
TRACY A. MURRAY, PARALEGAL
ERIKA L. HOLLIS, PARALEGAL

September 25, 2023

Via Hand Delivery and Electronic Mail
dhoward@amherst.ny.us & dulatowski@amherst.ny.us

Town of Amherst
Town Board
c/o Planning Department, Dan Howard
5583 Main Street
Williamsville, NY 14221

Re: 2280 Wehrle Drive KELLER
Comprehensive Plan Amendment

Dear Supervisor Kulpa and Honorable Members of the Town Board:

Block, Longo, LaMarca & Brzezinski, P.C. represents Michael Keller ("Petitioner") in connection with the above-referenced parcel. Petitioner is seeking a rezoning of the property for the development of 4 Townhomes. Currently, the property is zoned OB and the request is to rezone it to MFR 4.

As a first step in the rezoning process, Petitioner respectfully requests an amendment to Figure 6 of the Comprehensive Plan to classify the property as Mixed Residential.

Enclosed please find the following:

1. Town Comprehensive Plan Amendment Application Form
2. Comprehensive Plan Amendment Analysis
3. Preliminary Site Plan
4. Map Graphic depicting requested Comprehensive Plan change
5. Survey and Legal Description of the Property
6. Environmental Assessment Form
7. Owner Authorization
8. Renderings of Proposed Townhomes

Attachment: BCPA-2023-03 application packet 111623 (28025 : BCPA-2023-03, 2280 Wehrle Drive)

We look forward to discussing this amendment request and Development with the Town. If we can provide anything additional or answer any questions, please do not hesitate to reach out. Thank you for your consideration.

Very Truly Yours,

Jeffrey D. Palumbo

JPD:elh
cc: Michael Keller
Dave Sutton

Attachment: BCPA-2023-03 application packet 111623 (28025 : BCPA-2023-03, 2280 Wehrle Drive)

Town Comprehensive Plan Amendment
Application Form

Attachment: BCPA-2023-03 application packet 111623 (28025 : BCPA-2023-03, 2280 Wehrle Drive)

Town of Amherst
Application & Review Procedure

Bicentennial Comprehensive Plan Amendment

MATERIALS MUST BE PROVIDED IN AN ELECTRONIC FORMAT THAT CONTAINS PDF FILES OF THE APPLICATION, EAF, CONCEPTUAL DEVELOPMENT PLAN, SURVEY, ANY OTHER SUPPORTING INFORMATION WITH YOUR APPLPICATION.

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
- Town of Amherst EAF Addendum (Appendix A)

- INSTRUCTIONS -

1. Applicant obtains application from the Planning Department at 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 persons having legal standing to do as defined in Section 8-2-2 of the Zoning Ordinance.

2. A pre-submittal consultation with Planning Department staff is *required* prior to applying. The pre-submittal meeting gives the applicant an opportunity to discuss with staff such items as:
   - intent of the requested amendment as it relates to the adopted Town of Amherst Bicentennial Comprehensive Plan and consistency with its vision and policies,
   - determining what specific information will be required to be submitted with the application,
   - identifying and discussing issues that must be addressed as part of a SEQR review, and
   - a brief overview of a development process that could follow the requested amendment.

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

3. A Bicentennial Comprehensive Plan amendment is subject to the requirements of 6 NYCRR Part 617, State Environmental Quality Review Act (SEQRA), and Chapter 104 of the Town of Amherst Code, as amended. An Environmental Assessment Form (EAF) must assess the cumulative impacts associated with the Bicentennial Comprehensive Plan amendment. The Town Board cannot make a SEQR determination unless a complete EAF is submitted along with the Town of Amherst EAF Addendum (attached Appendix A) and any required supplementary information, such as traffic impact studies, archaeological reports, wetland delineations or geotechnical reports. Potential SEQR issues may be discussed with Planning Department staff at the required pre-submittal meeting. All requests for a Bicentennial Comprehensive Plan amendment require at least a Short EAF Part 1. Fillable forms with instructions can be found on the NYSDEC website: ***http://www.dec.ny.gov*** by searching for "SEQR".

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

Attachment: BCPA-2023-03 application packet 111623 (28025 : BCPA-2023-03, 2280 Wehrle Drive)

APPLICATION PROCEDURES

1. Applicant contacts the Planning Department to schedule a pre-submittal meeting.

2. Applicant prepares and submits **one (1)** complete application with attachments to the Planning Department for review for completeness prior to filing.

3. After approval for filing by the Planning Department, the applicant files **ten (10)** copies of the completed application and attachments with the Planning Department. The application must be accompanied by a digital submittal (PDF format) of all materials as well as the required fee (See Schedule of Fees on first page of application and make checks payable to: Town of Amherst). Each package must be collated, with larger sheets (if applicable) folded into no larger than 9" x 12" size. The following information must be included in each application package:

    - A completed, signed application form with all required attachments. One (1) application must be notarized.
    - A map graphic that depicts the requested change and/or any necessary text amendments identifying the proposed changes using strikethrough and bold text.
    - If the request will be followed by a subsequent application for a development project, provide a conceptual plan of the subject property, drawn to scale (no smaller than 11" X 17" in size).
    - An 8 ½" X 11" reduction of the conceptual plan, if one is provided.
    - A completed and signed Short Environmental Assessment Form (SEAF) Part 1, including any supporting reports (e.g. archaeological surveys, wetland delineation reports, etc.).

4. The applicant returns a copy of the filing receipt from the Town Clerk's Office to the Planning Department.

5. The Planning Department transmits copies of the application and materials for a review by:

    - Commissioner of Building
    - Town Engineer
    - Superintendent of Highways
    - Town Attorney
    - Zoning Enforcement Officer
    - Other Town and outside Agencies, as applicable

6. Each agency completes its review and notifies the Planning Department in writing of its comments or recommendations as may be required.

7. The Town makes an environmental assessment of the requested amendment to determine whether a Draft Environmental Impact Statement (EIS) is required. The applicant will be advised in the event that a Draft EIS is required and afforded the opportunity to prepare it. If he/she declines, the Town will prepare the Draft EIS at the applicant's expense, pursuant to the provisions of SEQRA.

PLANNING BOARD PROCEDURES

1. The application will be placed on the next available Planning Board agenda for consideration once the application is determined complete by the Planning Department. The Planning Department will provide timely notice to the applicant confirming their placement on the scheduled Planning Board meeting.

2. The applicant or representative must present the requested amendment at the public hearing before the Planning Board and be available to answer any questions at the meeting. The Planning Board may take any of the following actions:

    - Adjourn the public hearing to a future Planning Board meeting (hearing remains open).

Attachment: BCPA-2023-03 application packet 111623 (28025 : BCPA-2023-03, 2280 Wehrle Drive)

- Close the public hearing and set a decision date to the next Planning Board meeting or to a later date.
- Close the public hearing and make a recommendation to the Town Board on the request to amend the Bicentennial Comprehensive Plan.

3. After the Planning Board issues its recommendation, it is the applicant's responsibility to submit a written request to the Town Clerk that a public hearing on the proposed amendment be scheduled before the Town Board. A copy of the request should also be submitted to the Planning Department.

TOWN BOARD PROCEDURES

1. The applicant or representative must present the requested amendment at the public hearing before the Town Board and be available to answer any questions at the meeting. The Town Board may take any of the following actions:

   - Adjourn the public hearing to a future Town Board meeting (hearing remains open).
   - Close the public hearing and set a decision date to the next Town Board meeting or to a later date.
   - Close the public hearing and make a decision on the request to amend the Bicentennial Comprehensive Plan consistent with the requirements of SEQRA and New York State Town Law.

2. After the final approval by the Town Board to amend the Bicentennial Comprehensive Plan a petitioner may begin the rezoning and/or site plan review process for their perspective development.

Attachment: BCPA-2023-03 application packet 111623 (28025 : BCPA-2023-03, 2280 Wehrle Drive)

TOWN OF AMHERST PLANNING DEPARTMENT

Request for Bicentennial Comprehensive Plan Amendment

For Official Use

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

Address Verified by Assessor's Office _____
VERIFIED BY DATE

Application Received by Planning Department _____
ACCEPTED BY DATE

Materials & Fee Paid to Town Clerk _____
ACCEPTED BY DATE

		Fill In Applicable Fees
COMPREHENSIVE PLAN AMMENDMENT	**$0***	_____
AFFIDAVIT FEE FOR PUBLIC HEARING	**$15**	_____

Fee schedule subject to change by future Town Board action

TOTAL FEE: $___

TO BE COMPLETED BY APPLICANT

Petitioner:

Name: Michael Keller

Address: 5391 Thompson Road

Clarence (City) NY (State) 14031 (Zip Code\)

Phone: 716-566-8853 Fax _____

Email: michael55mk@gmail.com

Attachment: BCPA-2023-03 application packet 111623 (28025 : BCPA-2023-03, 2280 Wehrle Drive)

Owner of Land (if different than above):

Name: James O'Connell

Address: 81 Oakwood Drive

Amherst | NY | 14221
City | State | Zip Code

Phone: 716-310-1100 Fax

E Mail: jodhvac@gmail.com

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

Name: Jeffery D. Palumbo

Address: 9276 Main Street

Clarence | NY | 14031
City | State | Zip Code

Phone: 716-308-7211 Fax

E Mail: jpalumbo@blockandlongo.com

Petitioner's interest in property

- ☐ Option to purchase
- ☐ Owner
- ☑ Other (explain) Contingent Contract

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)

N/A

Street address(es) of land subject to Bicentennial Comprehensive Plan Amendment:

2280 Wehrle Drive

SBL #(s): 81.12-3-16

INFORMATION ON REQUEST

1. **The undersigned hereby requests the Honorable Town Board to amend the following text sections of the Bicentennial Comprehensive Plan:**

   Section(s) #/page(s): N/A

Note: If the requested amendment does not involve a map change, skip #2 and #3.

Attachment: BCPA-2023-03 application packet 111623 (28025 : BCPA-2023-03, 2280 Wehrle Drive)

2. **The undersigned hereby requests the Honorable Town Board to amend the Conceptual Land Use Map (Figure 6) and/or Commercial and Mixed-Use Designations (Figure 6A) as follows:**

FROM:	TO:
☐ Rural Residential	☐ Rural Residential
☐ Single Family Residential	☐ Single Family Residential
☐ Mixed Residential	☒ Mixed Residential
☐ Medium Residential	☐ Medium Residential
☐ Commercial/ Mixed Use*	☐ Commercial/ Mixed Use*
☐ Special Use Center	☐ Special Use Center
☒ Commercial-Office	☐ Commercial-Office
☐ Industrial-Office	☐ Industrial-Office
☐ Community Facilities	☐ Community Facilities
☐ Educational Campus	☐ Educational Campus
☐ Recreation, Open Space, & Greenways	☐ Recreation, Open Space, & Greenways
☐ Agriculture	☐ Agriculture
☐ Transportation	☐ Transportation
*Additional Designations in Figure 6-A:	*Additional Designations in Figure 6A:
☐ Suburban Center	☐ Suburban Center
☐ Suburban Corridor	☐ Suburban Corridor
☐ Traditional Areas	☐ Traditional Areas

3. **Other Bicentennial Comprehensive Plan Map Amendments (if applicable):**

Figure # or Name: Figure 6 Conceptual Land Use Plan

4. **Information on prospective action (*to be provided in separate attachment*):**

A. Description of any prospective action:

B. Rationale for request of amendment:

1. How will the requested amendment to the Bicentennial Comprehensive Plan consistent with *Section 2.2 (Vison Statement)*?
2. How will the requested amendment to the Bicentennial Comprehensive Plan consistent with *Section 2.3 (Key Initiatives)*?

C. How is the requested amendment align with the defined policies in Sections;

1. *3.0 Land Use and Development?*
2. *4.0 Natural and Cultural Resources?*
3. *5.0 Economic Development?*
4. *6.0 Transportation?*
5. *7.0 Infrastructure?*
6. *8.0 Housing & Neighborhoods?*
7. *9.0 Community Facilities & Services?*

Attachment: BCPA-2023-03 application packet 111623 (28025 : BCPA-2023-03, 2280 Wehrle Drive)

SECTION 809 CERTIFICATION

The undersigned certifies that all information required to be disclosed pursuant to Section 809 of the General Municipal Law (see below) is as follows:

The undersigned swears or affirms that all statements made herein are true, that all drawings submitted correctly show the situation involved in this petition.

Signature of Petitioner

Subscribed and sworn to before me this 25 *day of* SEPTEMBER, *20* 23

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.

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

Attachment: BCPA-2023-03 application packet 111623 (28025 : BCPA-2023-03, 2280 Wehrle Drive)

Comprehensive Plan Amendment Analysis

Attachment: BCPA-2023-03 application packet 111623 (28025 : BCPA-2023-03, 2280 Wehrle Drive)

Comprehensive Plan Amendment Analysis 2280 Wehrle Drive

As set forth in the Town of Amherst Bicentennial Comprehensive Plan ("Plan") amendment application form, Petitioner must provide information on the prospective action in relation to the plan. The application form questions are outlined below in bold with Petitioner's response noted.

A. Description of Prospective Actions:

Petitioner's Response: Petitioner is proposing to build four (4) townhomes, each two (2) story in height.

B. Rationale for Request of Amendment:

1. How will the requested amendment be consistent with Section 2.2 (Vision Statement)

Petitioner's Response: The requested amendment to allow four (4) townhouse units provides a diversity of choice of property units in the area. The Wehrle Drive corridor from Transit to Youngs is characterized by a combination of medical and other office buildings, commercial development, recreation facilities, and a sprinkling of residential development. In addition, it will serve to enhance the community character by investing in the revitalization of an area that has not seen new housing in some time. Finally, this is consistent with the Shared Direction as set forth in Section 2.2 as it enhances the diverse economy of the Town, strengthening the tax base and using infill development as set forth as a goal in the comprehensive plan.

2. How will the requested amendment be consistent with Section 2.3 (Key Initiatives)

Petitioner's Response: Regarding "Aesthetic/Community Character" as set forth in the plan, the amendment will only add to the renowned beauty, character and environmental quality of the Town. A first-class townhome development seeks to "raise the bar" by adding a new lifestyle choice in an underserved area.

Regarding the "Revitalization" initiative in the plan, again, this proposal injects new life and new investment into an area of the Town, by providing a diverse choice of living for empty nesters, young professionals, or others seeking limited maintenance obligations.

Finally, the amendment is consistent with the "Governance" initiative as the proposed townhomes do not introduce inconsistency or unfairness in zoning and land use.

C. How is the requested amendment aligned with the defined policies in sections:

1. 3.0. Land Use and Development?

Petitioner's Response: The requested amendment adds new diverse housing and an investment to the established community and does so with a context-sensitive architectural and site design. The current commercial-office designation on the land use map is

Attachment: BCPA-2023-03 application packet 111623 (28025 : BCPA-2023-03, 2280 Wehrle Drive)

unworkable in today's environment. There are a multitude of empty offices in the immediate area. Specifically, the requested amendment seeks to have the Properties classified as "Mixed Residential." Mixed Residential is appropriate for residences along roads like Wehrle Drive and as a buffer to more traditional single-family neighborhoods. The Properties and Development perfectly capture Mixed Residential as set forth in the Comprehensive Plan.

2. ***4.0 Natural and Cultural Resources:***

Petitioner's Response: As set forth in the Plan, "best management practices" will be employed to retain stormwater on site, thus reducing downstream flooding and allowing pollutants to filter out over time. Additionally, silt fences and various other techniques will be employed to prevent sediment from leaving this site during construction.

3. ***5.0 Economic Development:***

Petitioner's Response: As stated in the Plan, "A healthy tax and employment base are essential not only to Amherst's economy, but also the Town's quality of life." Further, the amendment, by introducing new housing, meets the town's objective of maintaining Amherst's strong tax base. Additionally, the proposed townhomes will respect the character and quality of life in the area.

4. ***6.0 Transportation:***

Petitioner's Response: The plan defines the area as "Traditional Character" which describes a corridor located within higher intensity centers and other neighborhoods. Traffic from the proposed townhome will not significantly alter any traffic patterns in the area.

5. ***7.0 Infrastructure:***

Petitioner's Response: The proposed amendment will not stress existing storm or waste water service. Other utilities such as water, electric and gas are available on site.

6. ***8.0 Housing and Neighborhoods:***

Petitioner's Response: The proposed amendment furthers the Comprehensive Plan objective to achieve a diversity of housing options. The Petitioner will ensure that the diverse housing option will be well managed and contribute to the surrounding neighborhood's health and stability. While the proposed amendment changes the Comprehensive Plan conceptual land use plan, Figure 6, by making the Properties mixed residential, the change allows Amherst residents to remain in Amherst by downsizing into a maintenance free environment.

7. ***9.0 Community Facilities & Services:***

Petitioner's Response: The proposed townhomes are not far from the Main Street and Transit Road corridors. This will allow the residents to visit nearby businesses, restaurants, movie theaters, etc.

Attachment: BCPA-2023-03 application packet 111623 (28025 : BCPA-2023-03, 2280 Wehrle Drive)

Preliminary Site Plan

Attachment: BCPA-2023-03 application packet 111623 (28025 : BCPA-2023-03, 2280 Wehrle Drive)

A1.1 Aerial View

N.T.S.

A1.1 Site Plan

3/32" = 1'-0"

Progress Drawings - Not For Construction

SUTTON architecture
"Design & Build"

5409 Main Street
(Second Floor)
Williamsville, NY 14221
(716) 932-7156 Fax 932-7873

Job Number
23-000

Proposed
Project For:

Mike
Keller

2280 Wehrle Drive
Amherst, NY

Copyright Sutton Architecture® 2023

No.	Description	Date

WARNING!
It is a violation of Article 145 Section 7209 of the New York State Education Law for any person, unless acting under the direction of a licensed Architect, to alter this document in any way.

Title
Site Plan

Drawn By
Jonathan M.

Checked By
D. Sutton

Date
9-25-23

Scale
As Noted

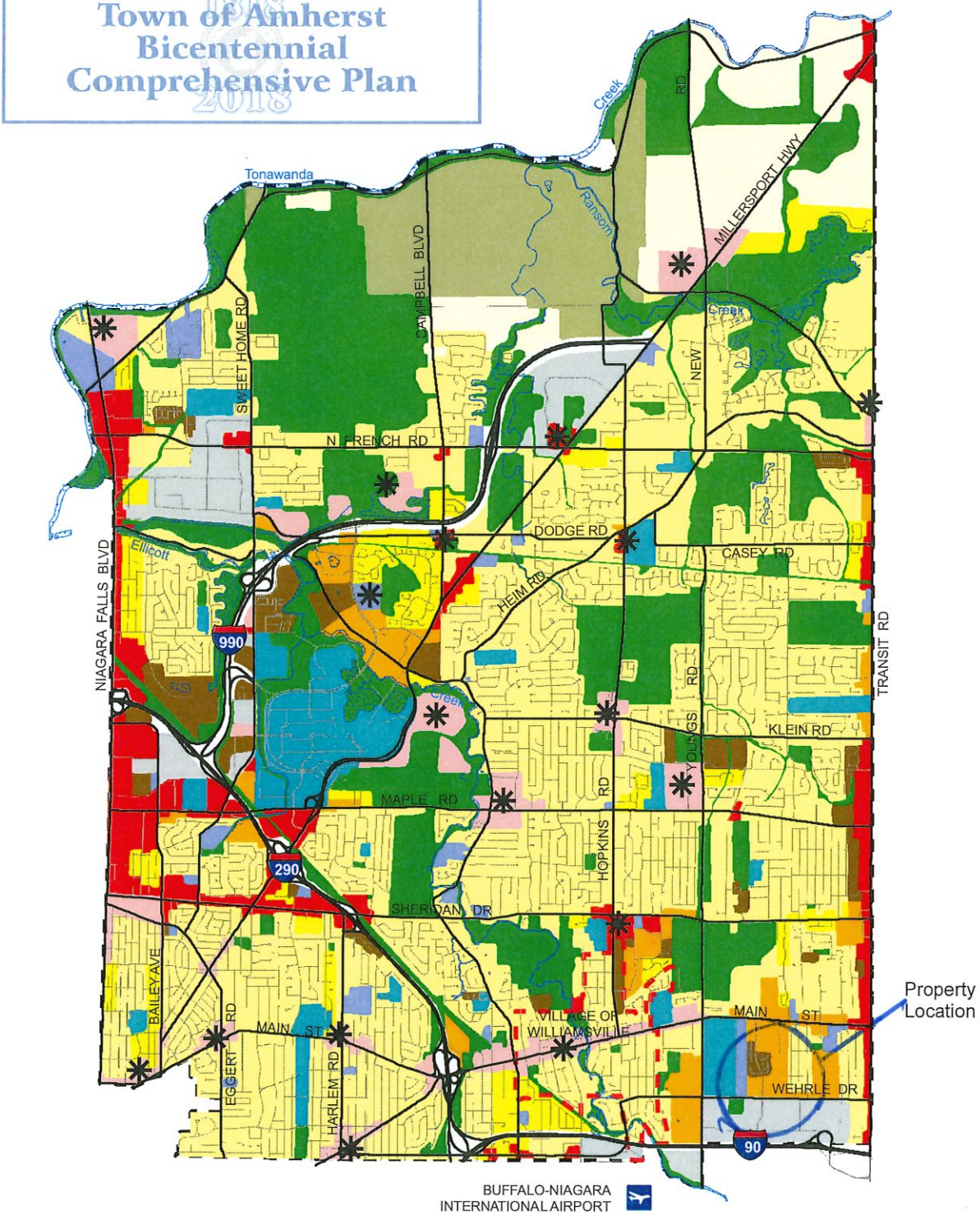
Sheet No.
A-1

Attachment: BCPA-2023-03 application packet 111623 (28025 : BCPA-2023-03, 2280 Wehrle Drive)

Map Graphic
depicting requested Comprehensive Plan Change

Attachment: BCPA-2023-03 application packet 111623 (28025 : BCPA-2023-03, 2280 Wehrle Drive)

Town of Amherst Bicentennial Comprehensive Plan



Requested Classification

CONCEPTUAL LAND USE PLAN

FIGURE 6

- Rural Residential
- Single Family Residential
- Mixed Residential
- Medium Residential
- Commercial - Retail
- Commercial - Office
- Industrial - Office
- Mixed Use
- Community Facilities
- Educational Campus
- Recreation, Open Space & Greenways
- Agriculture
- Transportation
- Surface Water
- Mixed Use / Activity Centers
- Municipal Boundary
- Village of Williamsville Boundary

SOURCE NOTES:

Original Source Data Provided by the Town of Amherst Information Technology Department, URS Corporation and Wallace Roberts & Todd, LLC

Map Compiled by the Town of Amherst Planning Department

Date: March, 2009

N

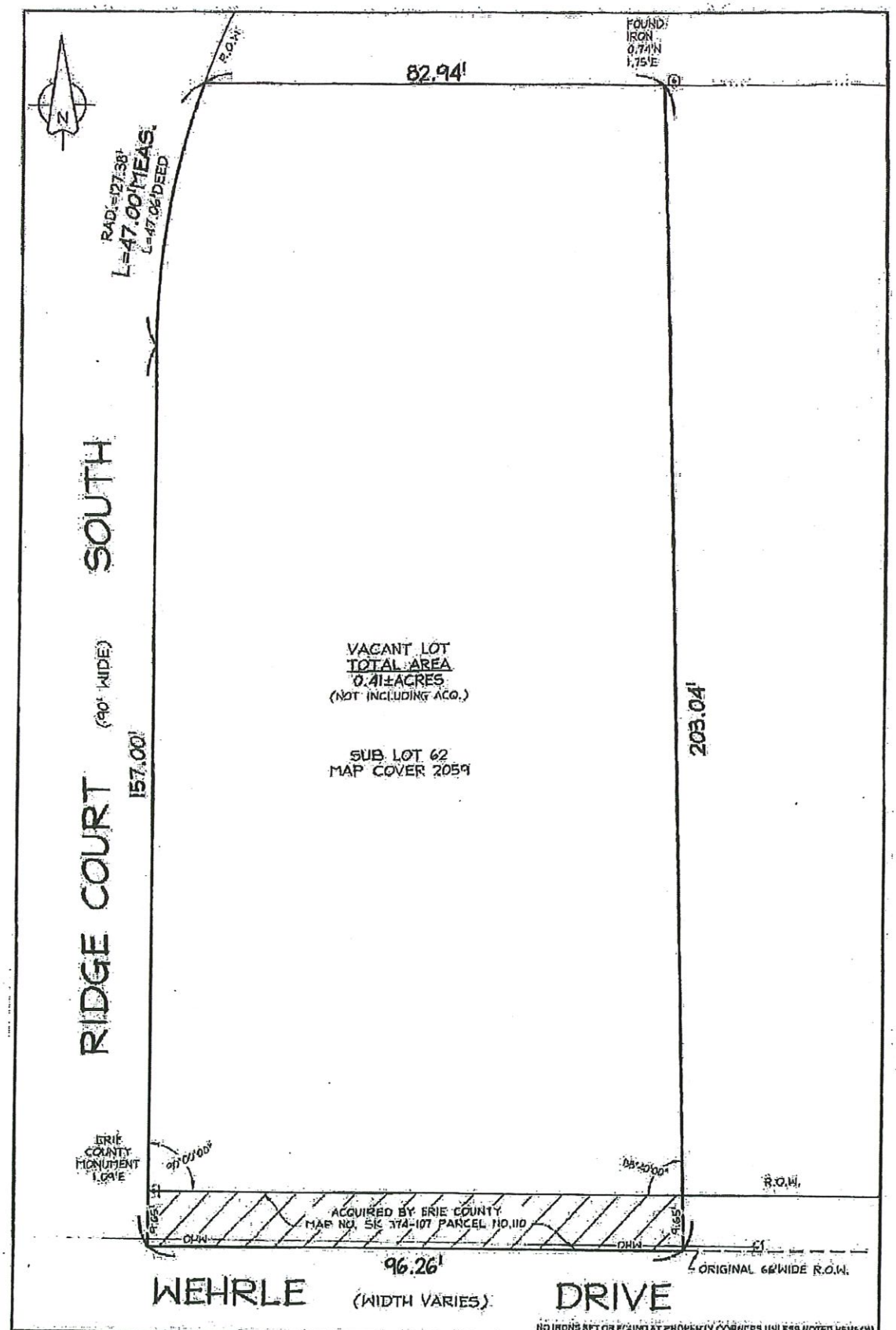
0 0.25 0.5 0.75 1 1.25

Miles

Attachment: BCPA-2023-03 application packet 111623 (28025 : BCPA-2023-03, 2280 Wehrle Drive)

Survey and Legal Description

Attachment: BCPA-2023-03 application packet 111623 (28025 : BCPA-2023-03, 2280 Wehrle Drive)



NO IRONS SET OR FOUND AT PROPERTY CORNERS UNLESS NOTED HEREON.

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 any survey, drawing, design, specification, plan or report is a violation of section 7209, division 2 of the New York State Education Law.

NUSSBAUMER & CLARKE, INC. ENGINEERS AND SURVEYORS EST. 1933

BOUNDARY SURVEY
2280 WEHRLE DRIVE

Part of Lot 105, Township 12, Range 7
Holland Land Company's Survey
Town of Amherst
County of Erie, State of New York

Date of Survey: 08/25/2020 Scale: 1" = 20' Project No.: 2022-1152

Attachment: BCPA-2023-03 application packet 111623 (28025 : BCPA-2023-03, 2280 Wehrle Drive)

Suggested Legal Description:

All That Tract or Parcel of Land, situate in the Town of Amherst, County of Erie, State of New York, being part of Lot No. 105, Township 12, Range 7 of the Holland Land Company's Survey, and according to a map filed in the Erie County Clerk's Office under Map Cover number 2059 is known as subdivision Lot number 62.

EXCEPTING lands conveyed to the County of Erie for highway purposes filed in the Erie County Clerk's office in Liber 6414 at Page 25.

Attachment: BCPA-2023-03 application packet 111623 (28025 : BCPA-2023-03, 2280 Wehrle Drive)

Environmental Assessment Form

Attachment: BCPA-2023-03 application packet 111623 (28025 : BCPA-2023-03, 2280 Wehrle Drive)

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

2280 Wehrle Drive - Michael Keller

Name of Action or Project:
2280 Wehrle Drive Townhomes

Project Location (describe, and attach a location map):
2280 Wehrle Drive - Corner of Ridge Court South

Brief Description of Proposed Action:
Four - 2 Story Townhomes

Name of Applicant or Sponsor:	Telephone: (716) 566-8853
Michael Keller	E-Mail: michael55@gmail.com

Address:
5391 Thompson Road

City/PO:	State:	Zip Code:
Clarence	NY	14031

	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: Site plan approval - Planning Board - Town Board Rezoning Approval	☐	☑

3. a. Total acreage of the site of the proposed action? .41 acres
   b. Total acreage to be physically disturbed? .41 acres
   c. Total acreage (project site and any contiguous properties) owned or controlled by the applicant or project sponsor? .41 acres

4. Check all land uses that occur on, are adjoining or near the proposed action:
   ☐ Urban ☐ Rural (non-agriculture) ☑ Industrial ☑ Commercial ☑ Residential (suburban)
   ☐ Forest ☐ Agriculture ☐ Aquatic ☐ Other(Specify):
   ☐ Parkland

Attachment: BCPA-2023-03 application packet 111623 (28025 : BCPA-2023-03, 2280 Wehrle Drive)

	NO	YES	N/A
5. Is the proposed action,			
a. A permitted use under the zoning regulations?	☑	☐	☐
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: BCPA-2023-03 application packet 111623 (28025 : BCPA-2023-03, 2280 Wehrle Drive)

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: Directed to existing storm sewers.		
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: Jeffery D. Palumbo - As Attorney Date: 09/25/2023

Signature: _____ Title: Attorney

PRINT FORM

Attachment: BCPA-2023-03 application packet 111623 (28025 : BCPA-2023-03, 2280 Wehrle Drive)

Owner Authorization

Attachment: BCPA-2023-03 application packet 111623 (28025 : BCPA-2023-03, 2280 Wehrle Drive)

JUSTIN S. WHITE
ATTORNEY AT LAW
5662 MAIN STREET
WILLIAMSVILLE, NY 14221

Tel: (716) 631-9100
Fax: (716) 631-7546

e-mail: jsw@sbwattorneys.com

August 20, 2023

TO WHOM IT MAY CONCERN

Re: REZONING APPLICATION 2280 Wehrle Drive, Amherst, NY

Dear Sir/Madam:

On behalf of my client, Mr. James O'Donnell, Mr. Michael Keller is authorized to submit a rezoning application relative to the above property.

Mr. O'Donnell's address is 81 Oakwood Drive. Williamsville, NY. His telephone # is (716) 310-1100..

Thank you for your attention to this matter.

Very truly yours,

Justin S. White

JSW/ams
enclosure

Attachment: BCPA-2023-03 application packet 111623 (28025 : BCPA-2023-03, 2280 Wehrle Drive)

Renderings

Attachment: BCPA-2023-03 application packet 111623 (28025 : BCPA-2023-03, 2280 Wehrle Drive)

TOWN OF AMHERST
PLANNING BOARD
COMPREHENSIVE PLAN AMENDMENT
BCPA-2023-03

PETITIONER

Michael Keller
5391 Thompson Road
Clarence, NY 14031

PROPERTY LOCATION

2280 Wehrle Drive

NOV 20 2023 AM9

WHEREAS the Town of Amherst Planning Board on Thursday, November 16, 2023 held a public hearing on the proposed amendment to the Bicentennial Comprehensive Plan, and

WHEREAS the Planning Board has reviewed the Town of Amherst Bicentennial Comprehensive Plan, and

WHEREAS the Planning Board has reviewed plans and other materials regarding the proposal, and

WHEREAS the materials and plans have been referred to the Town's various review agencies, and

WHEREAS the Planning Board finds that:

A. The proposed request is generally consistent with the Zoning Ordinance and with the following sections of the Comprehensive Plan:
- Chapter 2, Plan Concept: Section 2.2 "Vision Statement" and 2.3 "Key Initiatives".
- Chapter 3, Land Use and Development; Section 3.3.1 "Residential Uses".
- Chapter 5, Economic Development.
- Chapter 8, Housing and Neighborhoods, Section 8-3 "Encourage higher density residential uses in mixed-use developments and other appropriate locations".

B. The subject property is suitable for uses permitted by the current versus the proposed land use designation.

C. The proposed change improves the balance of land uses, and meets a specific demand in the Town.

D. The land surrounding the subject request is comprised of single-family housing to the north, office buildings to the east and west and industrial uses to the south across a minor-arterial roadway developed according to the requirements of the R-3, OB and RD zoning districts.

Attachment: BCPA-2023-03 signed resolution 111623 (28025 : BCPA-2023-03, 2280 Wehrle Drive)

TOWN OF AMHERST
PLANNING BOARD
COMPREHENSIVE PLAN AMENDMENT
BCPA-2023-03

PETITIONER

Michael Keller

PROPERTY LOCATION

2280 Wehrle Drive

NOV 20 2023 AM 3

NOW THEREFORE BE IT RESOLVED that the Planning Board recommends to the Town Board in accordance with New York State Town Law §272-a Subsection 4, that the request to amend the Bicentennial Comprehensive Plan be approved.

The foregoing resolution was adopted by the Town of Amherst Planning Board, November 16, 2023; moved by Penberthy; seconded by Gill; ayes 7; noes 0.

Robert J. Gilmour, Planning Board Chair

11-18-2023
Date

SM/ac
X:\Current_Planning\Files\Bicentennail Comp Plan Amends\2023\BCPA-2023-03_(2280_Wehrle_Dr)\BCPA-2023-03_resolution_111623.doc-

cc: Town Clerk
Commissioner of Building
Highway Superintendent
Town Engineer
Traffic/Safety Coordinator
Michael Keller, 5391 Thompson Road, Clarence, NY 14031
Jeffery Palumbo, Block, Longo, LaMarca & Brzezinski, PC, 9276 Main Street, Clarence, NY 14031

Attachment: BCPA-2023-03 signed resolution 111623 (28025 : BCPA-2023-03, 2280 Wehrle Drive)

Amherst Planning Board
5583 Main Street
Williamsville, NY 14221

TABLED

Meeting: 11/16/23 06:30 PM
Department: Planning
Category: Miscellaneous
Prepared By: Amy Carrato
Initiator: Dan Howard
Sponsors:
DOC ID: 28026

PLANNING BOARD ITEM (ID # 28026)

Request to Amend the Bicentennial Comprehensive Plan from Commercial Office to Industrial Office, BCPA-2023-04

Property located at 2360-2370 Wehrle Drive
Arista 1 LLC, Petitioner

To amend the Bicentennial Comprehensive Plan to change the land use designation on Figure 6 from "Commercial-Office" to "Industrial-Office" to allow for the potential rezoning and construction on the parcel of 310,000 square feet of industrial/warehousing.

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

Giselle Gewandowski, 125 Oakwood Dr.; Gregg Bennett, 6675 Main St.; Phillip Lewandowski, 125 Oakwood Dr.; Tim Berry, 200 Berkley Rd.; John Krempa, 110 Oakwood Dr.; Clarice Stetter, 134 Oakwood Dr.; Kim Seibold, 111 Oakwood Dr.; Leanne Ruisi, 142 Oakwood Dr.; Douglas Ruisi, 142 Oakwood Dr.; Jim O'Donnell, 80 Oakwood Dr.; and Connor Doyle, 4009 Clinton St. spoke in opposition of the proposal

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

Following discussion, Mr. Giuliani moved to adjourn the request. The motion was seconded by Ms. Penberthy and carried. Ayes 7, Noes 0.

ATTACHMENTS:

- BCPA-2023-04 application packet 111623 (PDF)

RESULT:	**ADJOURNED [UNANIMOUS]**	**Next: 1/18/2024 6:30 PM**
MOVER:	Dal Giuliani, Board Member	
SECONDER:	Brittany Lee Penberthy, Board Member	
AYES:	Gilmour, Chmiel, Gill, Giuliani, Penberthy, Raffaele Jr., Kahn	

Block, Longo, LaMarca
& Brzezinski, P.C.
ATTORNEYS | SINCE 1933
9276 MAIN STREET, CLARENCE, NY 14031
OFFICE: (716) 883-4967

WWW.BLOCKANDLONGO.COM

PARTNERS:

MARK J. LONGO, ESQ. — PRESIDENT/CEO
JOY LAMARCA, ESQ. — VICE PRESIDENT
KEVIN E. BRZEZINSKI, ESQ. — VICE PRESIDENT
JAMI DURANTE ROGOWSKI, ESQ.
GEORGE R. SLINGERLAND, ESQ.
BRITTNAY M. MCMAHON, ESQ.

CLARENCE OFFICE:

JEFFERY D. PALUMBO, ESQ., SPECIAL COUNSEL
CHRISTOPHER A. CARDILLO, ESQ., SPECIAL COUNSEL
JENNIFER A. HURLEY, ESQ., SPECIAL COUNSEL
TRACY A. MURRAY, PARALEGAL
ERIKA L. HOLLIS, PARALEGAL

September 25, 2023

Via Hand Delivery and Electronic Mail
dhoward@amherst.ny.us & dulatowski@amherst.ny.us

Town of Amherst
Town Board
c/o Planning Department, Dan Howard
5583 Main Street
Williamsville, NY 14221

Re: 2360-2370 Wehrle Drive - ARISTA I, LLC
Bicentennial Comprehensive Plan Amendment

Dear Supervisor Kulpa and Honorable Members of the Town Board:

Block, Longo, LaMarca & Brzezinski, P.C. represent Arista I, LLC. ("Petitioner") in connection with the above-referenced parcel. Petitioner is seeking a rezoning of the property for the development of a series of commercial warehouse type buildings. Currently, the property is zoned OB and the request is to rezone it to RD.

The property measures 22.78 acres in size. As a first step in the rezoning process, Petitioner respectfully requests an amendment to Figure 6 of the Comprehensive Plan to classify the property as Industrial-Office.

Enclosed please find the following:

1. Town Comprehensive Plan Amendment Application Form
2. Comprehensive Plan Amendment Analysis
3. Preliminary Site Plan
4. Map Graphic depicting requested Comprehensive Plan change
5. Survey and Legal Description of the Property
6. Environmental Assessment Form
7. Owner Authorization

Attachment: BCPA-2023-04 application packet 111623 (28026 : BCPA-2023-04, 2360-2370 Wehrle Drive)

We look forward to discussing this amendment request and Development with the Town. If we can provide anything additional or answer any questions, please do not hesitate to reach out. Thank you for your consideration.

Very Truly Yours,

Jeffery D. Palumbo

JPD:elh
cc: Robert Nuchereno
Dan Ulatowski

Attachment: BCPA-2023-04 application packet 111623 (28026 : BCPA-2023-04, 2360-2370 Wehrle Drive)

Town Comprehensive Plan Amendment Application Form

Attachment: BCPA-2023-04 application packet 111623 (28026 : BCPA-2023-04, 2360-2370 Wehrle Drive)

TOWN OF AMHERST PLANNING DEPARTMENT

Request for Bicentennial Comprehensive Plan Amendment

For Official Use

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

Address Verified by Assessor's Office _____
VERIFIED BY DATE

Application Received by Planning Department _____
ACCEPTED BY DATE

Materials & Fee Paid to Town Clerk _____
ACCEPTED BY DATE

		Fill In Applicable Fees
COMPREHENSIVE PLAN AMMENDMENT	**$0***	_____
AFFIDAVIT FEE FOR PUBLIC HEARING	**$15**	_____

Fee schedule subject to change by future Town Board action

TOTAL FEE: $___

TO BE COMPLETED BY APPLICANT

Petitioner:

Name: Arista I, LLC

Address: 1330 Niagara Falls Boulevard

Tonawanda (City) NY (State) 14150 (Zip Code\)

Phone: (716)867-0700 Fax _____

Email: robertnuch@gmail.com

Attachment: BCPA-2023-04 application packet 111623 (28026 : BCPA-2023-04, 2360-2370 Wehrle Drive)

Owner of Land (if different than above):

Name: Same.

Address: _____

_____
City State Zip Code

Phone: _____ Fax _____

E Mail: _____

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

Name: Jeffrey D. Palumbo

Address: 9276 Main Street

Clarence NY 14031
City State Zip Code

Phone: (716) 308-7211 Fax _____

E Mail: jpalumbo@blockandlongo.com

Petitioner's interest in property

- ☐ Option to purchase
- ☒ Owner
- ☐ Other (explain) _____

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)

N/A

Street address(es) of land subject to Bicentennial Comprehensive Plan Amendment:

2360-2370 Wehrle Drive

SBL #(s): 81.02-2-12.1

INFORMATION ON REQUEST

1. **The undersigned hereby requests the Honorable Town Board to amend the following text sections of the Bicentennial Comprehensive Plan:**

   Section(s) #/page(s): N/A

Note: If the requested amendment does not involve a map change, skip #2 and #3.

Attachment: BCPA-2023-04 application packet 111623 (28026 : BCPA-2023-04, 2360-2370 Wehrle Drive)

2. The undersigned hereby requests the Honorable Town Board to amend the Conceptual Land Use Map (Figure 6) and/or Commercial and Mixed-Use Designations (Figure 6A) as follows:

FROM:

- ☐ Rural Residential
- ☐ Single Family Residential
- ☐ Mixed Residential
- ☐ Medium Residential
- ☐ Commercial/ Mixed Use*
- ☐ Special Use Center
- ☒ Commercial-Office
- ☐ Industrial-Office
- ☐ Community Facilities
- ☐ Educational Campus
- ☐ Recreation, Open Space, & Greenways
- ☐ Agriculture
- ☐ Transportation

*Additional Designations in Figure 6-A:

- ☐ Suburban Center
- ☐ Suburban Corridor
- ☐ Traditional Areas

TO:

- ☐ Rural Residential
- ☐ Single Family Residential
- ☐ Mixed Residential
- ☐ Medium Residential
- ☐ Commercial/ Mixed Use*
- ☐ Special Use Center
- ☐ Commercial-Office
- ☒ Industrial-Office
- ☐ Community Facilities
- ☐ Educational Campus
- ☐ Recreation, Open Space, & Greenways
- ☐ Agriculture
- ☐ Transportation

*Additional Designations in Figure 6A:

- ☐ Suburban Center
- ☐ Suburban Corridor
- ☐ Traditional Areas

3. Other Bicentennial Comprehensive Plan Map Amendments (if applicable):

Figure # or Name: Figure 6 Conceptual Land Use Plan

4. Information on prospective action (*to be provided in separate attachment*):

A. Description of any prospective action:

B. Rationale for request of amendment:

1. How will the requested amendment to the Bicentennial Comprehensive Plan consistent with *Section 2.2 (Vison Statement)*?
2. How will the requested amendment to the Bicentennial Comprehensive Plan consistent with *Section 2.3 (Key Initiatives)*?

C. How is the requested amendment align with the defined policies in Sections;

1. *3.0 Land Use and Development?*
2. *4.0 Natural and Cultural Resources?*
3. *5.0 Economic Development?*
4. *6.0 Transportation?*
5. *7.0 Infrastructure?*
6. *8.0 Housing & Neighborhoods?*
7. *9.0 Community Facilities & Services?*

Attachment: BCPA-2023-04 application packet 111623 (28026 : BCPA-2023-04, 2360-2370 Wehrle Drive)

SECTION 809 CERTIFICATION

The undersigned certifies that all information required to be disclosed pursuant to Section 809 of the General Municipal Law (see below) is as follows:

The undersigned swears or affirms that all statements made herein are true, that all drawings submitted correctly show the situation involved in this petition.

Signature of Petitioner

Subscribed and sworn to before me this 25th *day of* September, *20*23

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 21

N.Y.S. General Municipal Law - Section 809 Disclosure in certain applications:

1. Every application, petition or request submitted for a variance, amendment, change of zoning, approval of a plat, exemption from a plat or official map, license or permit, pursuant to the provision of any ordinance, local law, rule or regulation constituting the zoning and planning regulations of a municipality shall state the name, residence and the nature and extent of the interest of any state office or any office or employee of such municipality or of a municipality of which such municipality is a part, in the person, partnership or association making such application, petition or request (hereinafter called the applicant) to the extent known to such applicant.

2. For the purpose of this section an officer or employee shall be deemed to have an interest in the applicant when he, his spouse, or their brothers, sisters, parents, children, grandchildren, or the spouse of any of them

   (a) is the applicant, or
   (b) is an officer, director, partner or employee of the applicant, or
   (c) legally or beneficially owns or controls stock of a corporate applicant or is a member of a partnership or association applicant, or
   (d) is a party to an agreement with such an applicant, express or implied, whereby he may receive any payment or other benefit, whether or not for services rendered, dependent or contingent upon the favorable approval of such applicant, petition or request.

3. In the county of Nassau the provisions of subdivisions one and two of this section shall also apply to a party officer. "Party Officer" shall mean any person holding any position or office, whether by election, appointment or otherwise, in any party as defined by subdivision four or section two of the election law.

4. Ownership of less than five per cent of the stock of a corporation whose stock is listed on the New York or American Stock Exchanges shall not constitute an interest for the purposes of this section.

5. A person who knowingly and intentionally violates this section shall be guilty of a misdemeanor.

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

Attachment: BCPA-2023-04 application packet 111623 (28026 : BCPA-2023-04, 2360-2370 Wehrle Drive)

Town of Amherst
Application & Review Procedure

Bicentennial Comprehensive Plan Amendment

MATERIALS MUST BE PROVIDED IN AN ELECTRONIC FORMAT THAT CONTAINS PDF FILES OF THE APPLICATION, EAF, CONCEPTUAL DEVELOPMENT PLAN, SURVEY, ANY OTHER SUPPORTING INFORMATION WITH YOUR APPLPICATION.

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
- Town of Amherst EAF Addendum (Appendix A)

- INSTRUCTIONS -

1. Applicant obtains application from the Planning Department at 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 persons having legal standing to do as defined in Section 8-2-2 of the Zoning Ordinance.

2. A pre-submittal consultation with Planning Department staff is *required* prior to applying. The pre-submittal meeting gives the applicant an opportunity to discuss with staff such items as:
   - intent of the requested amendment as it relates to the adopted Town of Amherst Bicentennial Comprehensive Plan and consistency with its vision and policies,
   - determining what specific information will be required to be submitted with the application,
   - identifying and discussing issues that must be addressed as part of a SEQR review, and
   - a brief overview of a development process that could follow the requested amendment.

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

3. A Bicentennial Comprehensive Plan amendment is subject to the requirements of 6 NYCRR Part 617, State Environmental Quality Review Act (SEQRA), and Chapter 104 of the Town of Amherst Code, as amended. An Environmental Assessment Form (EAF) must assess the cumulative impacts associated with the Bicentennial Comprehensive Plan amendment. The Town Board cannot make a SEQR determination unless a complete EAF is submitted along with the Town of Amherst EAF Addendum (attached Appendix A) and any required supplementary information, such as traffic impact studies, archaeological reports, wetland delineations or geotechnical reports. Potential SEQR issues may be discussed with Planning Department staff at the required pre-submittal meeting. All requests for a Bicentennial Comprehensive Plan amendment require at least a Short EAF Part 1. Fillable forms with instructions can be found on the NYSDEC website: ***http://www.dec.ny.gov*** by searching for "SEQR".

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

Attachment: BCPA-2023-04 application packet 111623 (28026 : BCPA-2023-04, 2360-2370 Wehrle Drive)

APPLICATION PROCEDURES

1. Applicant contacts the Planning Department to schedule a pre-submittal meeting.

2. Applicant prepares and submits **one (1)** complete application with attachments to the Planning Department for review for completeness prior to filing.

3. After approval for filing by the Planning Department, the applicant files **ten (10)** copies of the completed application and attachments with the Planning Department. The application must be accompanied by a digital submittal (PDF format) of all materials as well as the required fee (See Schedule of Fees on first page of application and make checks payable to: Town of Amherst). Each package must be collated, with larger sheets (if applicable) folded into no larger than 9" x 12" size. The following information must be included in each application package:

    - A completed, signed application form with all required attachments. One (1) application must be notarized.
    - A map graphic that depicts the requested change and/or any necessary text amendments identifying the proposed changes using strikethrough and bold text.
    - If the request will be followed by a subsequent application for a development project, provide a conceptual plan of the subject property, drawn to scale (no smaller than 11" X 17" in size).
    - An 8 ½" X 11" reduction of the conceptual plan, if one is provided.
    - A completed and signed Short Environmental Assessment Form (SEAF) Part 1, including any supporting reports (e.g. archaeological surveys, wetland delineation reports, etc.).

4. The applicant returns a copy of the filing receipt from the Town Clerk's Office to the Planning Department.

5. The Planning Department transmits copies of the application and materials for a review by:

    - Commissioner of Building
    - Town Engineer
    - Superintendent of Highways
    - Town Attorney
    - Zoning Enforcement Officer
    - Other Town and outside Agencies, as applicable

6. Each agency completes its review and notifies the Planning Department in writing of its comments or recommendations as may be required.

7. The Town makes an environmental assessment of the requested amendment to determine whether a Draft Environmental Impact Statement (EIS) is required. The applicant will be advised in the event that a Draft EIS is required and afforded the opportunity to prepare it. If he/she declines, the Town will prepare the Draft EIS at the applicant's expense, pursuant to the provisions of SEQRA.

PLANNING BOARD PROCEDURES

1. The application will be placed on the next available Planning Board agenda for consideration once the application is determined complete by the Planning Department. The Planning Department will provide timely notice to the applicant confirming their placement on the scheduled Planning Board meeting.

2. The applicant or representative must present the requested amendment at the public hearing before the Planning Board and be available to answer any questions at the meeting. The Planning Board may take any of the following actions:

    - Adjourn the public hearing to a future Planning Board meeting (hearing remains open).

Attachment: BCPA-2023-04 application packet 111623 (28026 : BCPA-2023-04, 2360-2370 Wehrle Drive)

- Close the public hearing and set a decision date to the next Planning Board meeting or to a later date.
- Close the public hearing and make a recommendation to the Town Board on the request to amend the Bicentennial Comprehensive Plan.

3. After the Planning Board issues its recommendation, it is the applicant's responsibility to submit a written request to the Town Clerk that a public hearing on the proposed amendment be scheduled before the Town Board. A copy of the request should also be submitted to the Planning Department.

TOWN BOARD PROCEDURES

1. The applicant or representative must present the requested amendment at the public hearing before the Town Board and be available to answer any questions at the meeting. The Town Board may take any of the following actions:

   - Adjourn the public hearing to a future Town Board meeting (hearing remains open).
   - Close the public hearing and set a decision date to the next Town Board meeting or to a later date.
   - Close the public hearing and make a decision on the request to amend the Bicentennial Comprehensive Plan consistent with the requirements of SEQRA and New York State Town Law.

2. After the final approval by the Town Board to amend the Bicentennial Comprehensive Plan a petitioner may begin the rezoning and/or site plan review process for their perspective development.

Attachment: BCPA-2023-04 application packet 111623 (28026 : BCPA-2023-04, 2360-2370 Wehrle Drive)

Comprehensive Plan Amendment Analysis

Attachment: BCPA-2023-04 application packet 111623 (28026 : BCPA-2023-04, 2360-2370 Wehrle Drive)

Comprehensive Plan Amendment Analysis 2360-2370 Wehrle Drive

As set forth in the Town of Amherst Bicentennial Comprehensive Plan ("Plan") amendment application form, Petitioner must provide information on the prospective action in relation to the plan. The application form questions are outlined below in bold with Petitioner's response noted.

A. Description of Prospective Actions:

Petitioner's Response: The Town of Amherst has identified a need for industrial/warehouse type of development as there exists virtually no research development land (RD) available in the town. As there exists a glut of office buildings with high vacancy rates, Petitioner has set forth a request to rezone the property from Office Building (OB) and Residential 3 (R3) to RD. A preliminary Site Plan from DiDonato Engineering showing 7 buildings totaling 310,000 square feet is attached.

B. Rationale for Request of Amendment:

1. How will the requested amendment be consistent with Section 2.2 (Vision Statement)

Petitioner's Response: Section 3.32 of the Comprehensive Plan references the nearby Wehrle Industrial Park as exhibiting "desirable site characteristics necessary for location of industrial uses." As the infrastructure for the proposed site is readily available, this infill proposal is in compliance and harmony with the plan vision.

2. How will the requested amendment be consistent with Section 2.3 (Key Initiatives)

Petitioner's Response: The existing buildings on George Karl and Wehrle are prime examples of the aesthetic/community character envisioned in the plan. The proposed buildings will further exhibit similar design and character in the type of buildings ultimately constructed. As presently proposed, of the 22.83 acres involved, approximately 9.98 will constitute green space.

As far as the Education Initiative, Section 2.3 references "research-based technology" as an area of "potential focus."

In terms of Revitalization, sections 3-9 speaks to "Rezoning and/or provide incentives for reuse of underutilized obsolescent land for economically viable uses." Given the high vacancy rate for offices and over abundance of office land, a rezone to RD complies fully with the stated vision.

How is the requested amendment aligned with the defined policies in sections:

1. ***3.0. Land Use and Development?***
   Petitioner's Response: According to Section 3.1, only 7.4% of the Town land is used as commercial, office or industrial land. The trend recently has been the need for, and the development of, warehouse and other research and design space.

Attachment: BCPA-2023-04 application packet 111623 (28026 : BCPA-2023-04, 2360-2370 Wehrle Drive)

2. ***4.0 Natural and Cultural Resources:***

Petitioner's Response: Concerns as expressed in Section 4.0 include the loss of wetlands, protections of woodlands and attention to soils and drainage. As this site has been partially developed with offices, these considerations have already been addressed.

3. ***5.0 Economic Development:***

Petitioner's Response: Section 5.1 importantly, and significantly pointed out correctly that the Town's industrial sector would now grow "more modestly" than the office employment sectors. As a result, office parks are oversaturated and industrial space is scarce. Section 5.1 further points out that the Town's existing inventory of industrial space must be kept up to date, including "construction of new space that allows flexibility for tenants."

4. ***6.0 Transportation:***

Petitioner's Response: Issues such as levels of safety of nearby intersections have been evaluated as part of the initial zoning of the property to office use. It is not anticipated that traffic counts and levels of service will vary significantly as a result of a change to research and development.

5. ***7.0 Infrastructure:***

Petitioner's Response: The proposed amendment will not stress existing storm sewer or waste water service. The Properties are within the Town of Amherst Consolidated Sanitary Sewer District, so the development will not be on septic. Capacity exists for the anticipated sewage increase. Additionally, other utilities such as water, electric and gas are available on site.

6. ***8.0 Housing and Neighborhoods:***

Petitioner's Response: Section 8.8 of the Plan states, business centers are of major importance to the health of Amherst's neighborhoods. It is extremely important for the business areas to be kept up in appearance as not to detract from nearby neighborhoods. Here, the major investment into the development of a technology center only adds to the value of nearby developments.

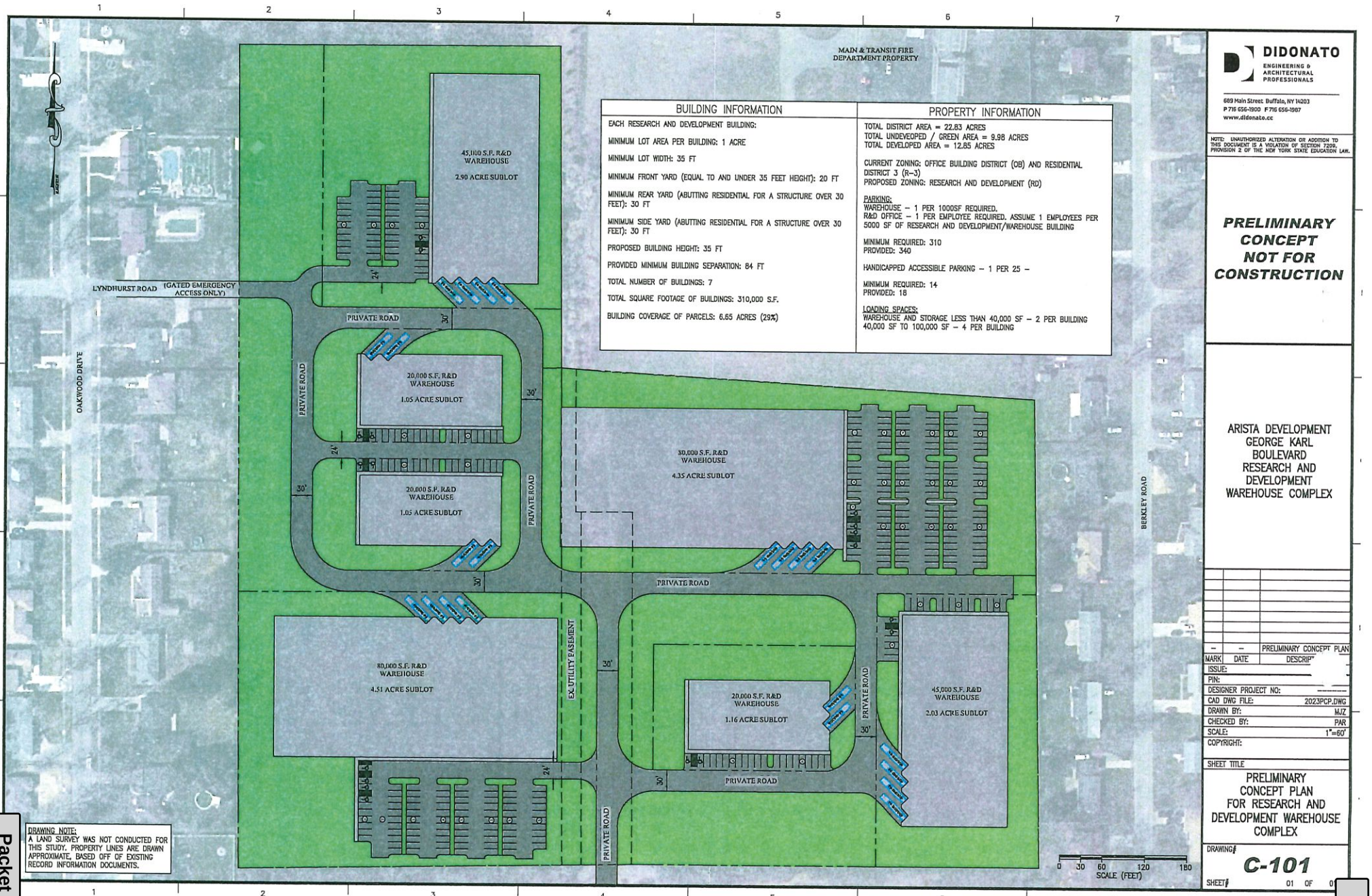
7. ***9.0 Community Facilities & Services:***

Petitioner's Response: The proposed warehouses and related businesses are very close to the Transit and Main Street Corridors. This will provide employees with ample opportunities to visit local shops, theaters, restaurants, and other businesses in the area, creating tax revenue to the Town.

Attachment: BCPA-2023-04 application packet 111623 (28026 : BCPA-2023-04, 2360-2370 Wehrle Drive)

Preliminary Site Plan

Attachment: BCPA-2023-04 application packet 111623 (28026 : BCPA-2023-04, 2360-2370 Wehrle Drive)



BUILDING INFORMATION	PROPERTY INFORMATION
EACH RESEARCH AND DEVELOPMENT BUILDING: MINIMUM LOT AREA PER BUILDING: 1 ACRE MINIMUM LOT WIDTH: 35 FT MINIMUM FRONT YARD (EQUAL TO AND UNDER 35 FEET HEIGHT): 20 FT MINIMUM REAR YARD (ABUTTING RESIDENTIAL FOR A STRUCTURE OVER 30 FEET): 30 FT MINIMUM SIDE YARD (ABUTTING RESIDENTIAL FOR A STRUCTURE OVER 30 FEET): 30 FT PROPOSED BUILDING HEIGHT: 35 FT PROVIDED MINIMUM BUILDING SEPARATION: 84 FT TOTAL NUMBER OF BUILDINGS: 7 TOTAL SQUARE FOOTAGE OF BUILDINGS: 310,000 S.F. BUILDING COVERAGE OF PARCELS: 6.65 ACRES (29%)	TOTAL DISTRICT AREA = 22.83 ACRES TOTAL UNDEVEOPED / GREEN AREA = 9.98 ACRES TOTAL DEVELOPED AREA = 12.85 ACRES CURRENT ZONING: OFFICE BUILDING DISTRICT (OB) AND RESIDENTIAL DISTRICT 3 (R-3) PROPOSED ZONING: RESEARCH AND DEVELOPMENT (RD) PARKING: WAREHOUSE – 1 PER 1000SF REQUIRED. R&D OFFICE – 1 PER EMPLOYEE REQUIRED. ASSUME 1 EMPLOYEES PER 5000 SF OF RESEARCH AND DEVELOPMENT/WAREHOUSE BUILDING MINIMUM REQUIRED: 310 PROVIDED: 340 HANDICAPPED ACCESSIBLE PARKING – 1 PER 25 – MINIMUM REQUIRED: 14 PROVIDED: 18 LOADING SPACES: WAREHOUSE AND STORAGE LESS THAN 40,000 SF – 2 PER BUILDING 40,000 SF TO 100,000 SF – 4 PER BUILDING

DRAWING NOTE:
A LAND SURVEY WAS NOT CONDUCTED FOR THIS STUDY. PROPERTY LINES ARE DRAWN APPROXIMATE, BASED OFF OF EXISTING RECORD INFORMATION DOCUMENTS.

DIDONATO
ENGINEERING & ARCHITECTURAL PROFESSIONALS
689 Main Street Buffalo, NY 14203
P 716 656-1900 F 716 656-1907
www.didonato.cc

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

PRELIMINARY CONCEPT NOT FOR CONSTRUCTION

ARISTA DEVELOPMENT
GEORGE KARL BOULEVARD
RESEARCH AND DEVELOPMENT
WAREHOUSE COMPLEX

MARK	DATE	DESCRIP'
–	–	PRELIMINARY CONCEPT PLAN

ISSUE:	
PIN:	
DESIGNER PROJECT NO:	
CAD DWG FILE:	2023PCP.DWG
DRAWN BY:	MJZ
CHECKED BY:	PAR
SCALE:	1"=60'
COPYRIGHT:	

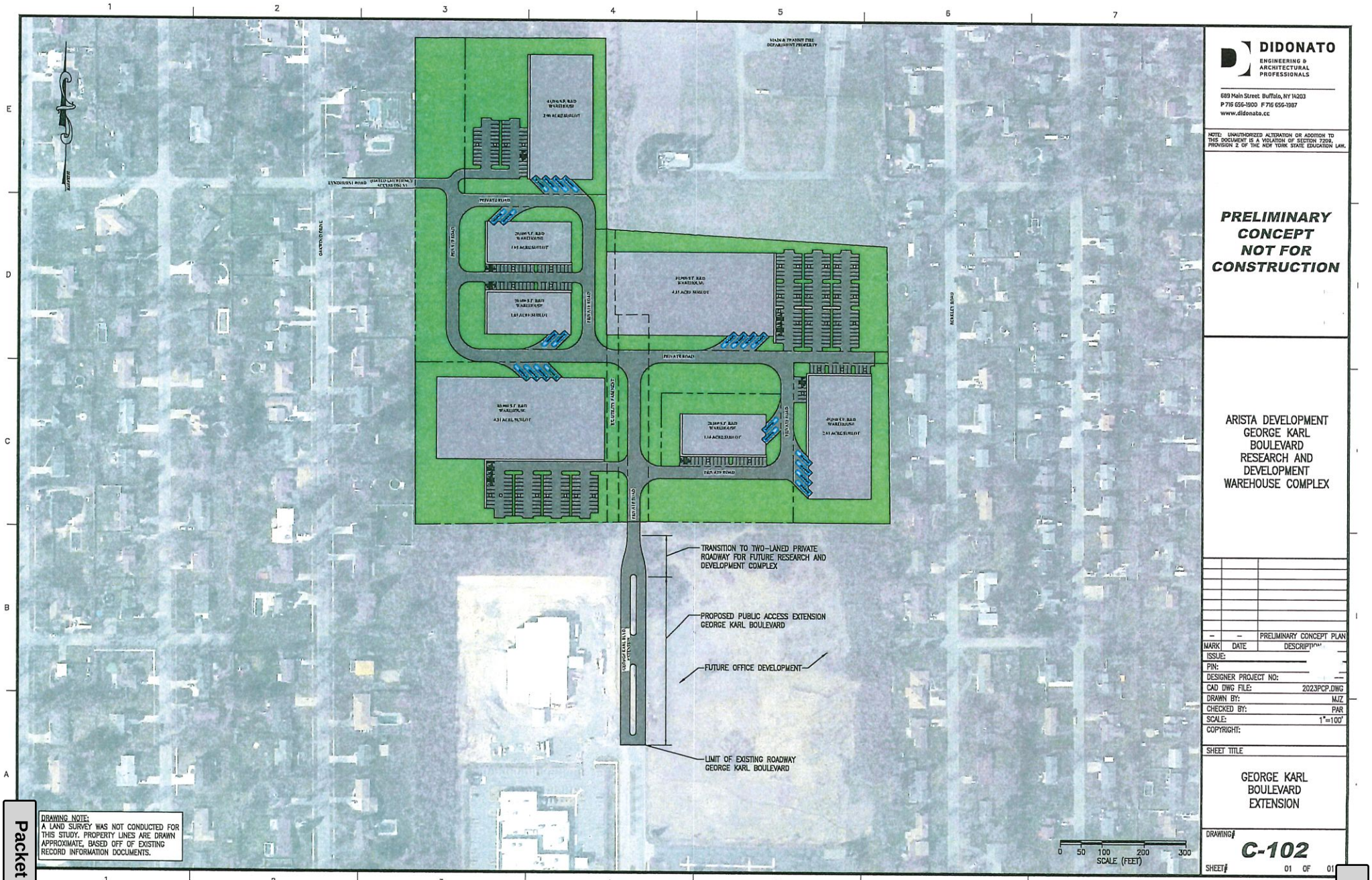
SHEET TITLE

PRELIMINARY CONCEPT PLAN FOR RESEARCH AND DEVELOPMENT WAREHOUSE COMPLEX

DRAWING# C-101

SHEET# 01 OF 0

Attachment: BCPA-2023-04 application packet 111623 (28026 : BCPA-2023-04, 2360-2370 Wehrle Drive)



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PRELIMINARY CONCEPT NOT FOR CONSTRUCTION

ARISTA DEVELOPMENT
GEORGE KARL BOULEVARD
RESEARCH AND DEVELOPMENT
WAREHOUSE COMPLEX

MARK	DATE	DESCRIPTION
–	–	PRELIMINARY CONCEPT PLAN

ISSUE:	
PIN:	
DESIGNER PROJECT NO:	
CAD DWG FILE:	2023PCP.DWG
DRAWN BY:	MJZ
CHECKED BY:	PAR
SCALE:	1"=100'
COPYRIGHT:	

SHEET TITLE

GEORGE KARL BOULEVARD EXTENSION

DRAWING# **C-102**

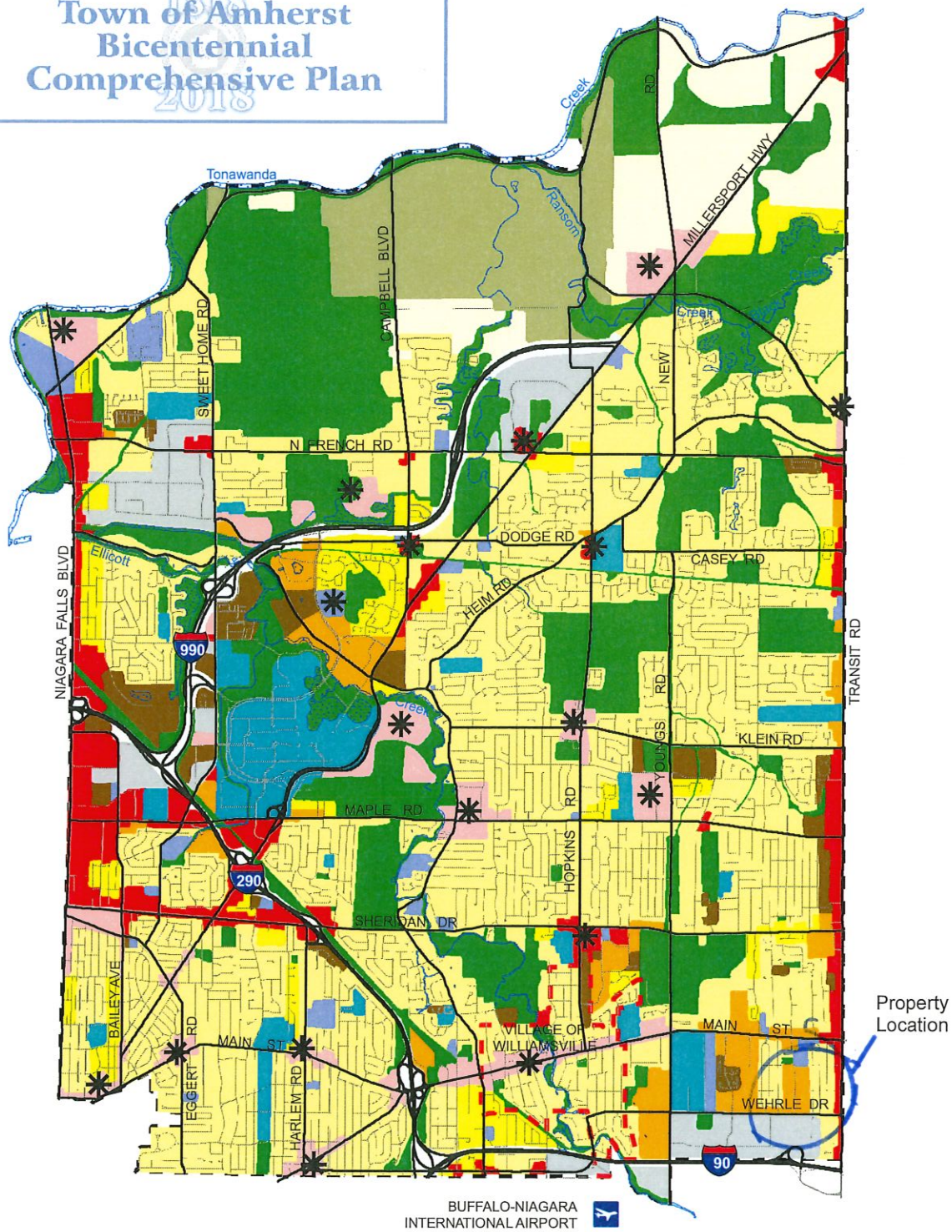
SHEET# 01 OF 01

Attachment: BCPA-2023-04 application packet 111623 (28026 : BCPA-2023-04, 2360-2370 Wehrle Drive)

Map Graphic
depicting requested Comprehensive Plan Change

Attachment: BCPA-2023-04 application packet 111623 (28026 : BCPA-2023-04, 2360-2370 Wehrle Drive)

Town of Amherst Bicentennial Comprehensive Plan



Requested Classification

CONCEPTUAL LAND USE PLAN

FIGURE 6

- Rural Residential
- Single Family Residential
- Mixed Residential
- Medium Residential
- Commercial - Retail
- Commercial - Office
- Industrial - Office
- Mixed Use
- Community Facilities
- Educational Campus
- Recreation, Open Space & Greenways
- Agriculture
- Transportation
- Surface Water
- Mixed Use / Activity Centers
- Municipal Boundary
- Village of Williamsville Boundary

SOURCE NOTES:

Original Source Data Provided by the Town of Amherst Information Technology Department, URS Corporation and Wallace Roberts & Todd, LLC

Map Compiled by the Town of Amherst Planning Department

Date: March, 2009

N

0 0.25 0.5 0.75 1 1.25

Miles

Attachment: BCPA-2023-04 application packet 111623 (28026 : BCPA-2023-04, 2360-2370 Wehrle Drive)

Survey and Legal Description

Attachment: BCPA-2023-04 application packet 111623 (28026 : BCPA-2023-04, 2360-2370 Wehrle Drive)

(Suggested Description)

East Parcel
13.522± Acres

Job No. 8858-1

ALL THAT TRACT OR PARCEL OF LAND situate in the Town of Amherst, County of Erie, State of New York, and being part of Lot 104, Township 12, Range 7 of the Holland Land Company Survey (so-called), bounded and described as follows:

COMMENCING AT A POINT on the north line of Wehrle Drive at the northeast corner of Parcel No. 120A as shown on Map No. Sk 374-117 of lands conveyed to the County of Erie by deed recorded in the Erie County Clerk's Office in Liber 11136 of Deeds at Page 6650; said point being also on the east line of Lot 104;

RUNNING THENCE: N-89°-08'-00"-W, along the north line of Wehrle Drive as now laid out, a distance of 50.02 feet to a point;

RUNNING THENCE: N-01°-07'-53"-W, a distance of 522.68 feet to a point on the north line of lands conveyed to Union Building Corp. by deed recorded in the Erie County Clerk's Office in Liber 11005 of Deeds at Page 6405;

RUNNING THENCE: S-89°-30'-58"-W, along the north line of said Union Building Corp. lands, a distance of 538.79 feet to a point on the east line of George Karl Boulevard;

RUNNING THENCE: N-00°-29'-02"-W, along the east line of George Karl Boulevard and its extension northerly, a distance of 475.63 feet to the Point or Place of Beginning of the parcel herein described;

CONTINUING THENCE: N-00°-29'-02"-W, along the northerly extension of the east line of George Karl Boulevard, a distance of 807.23 feet to a point;

RUNNING THENCE: S-89°-30'-58", a distance of 81.00 feet to a point;

RUNNING THENCE: N-00°-29'-02"-W, a distance of 206.49 feet to a point on the south line of lands conveyed to Main Transit Volunteer Fire Company, Inc. by deed recorded in the Erie County Clerk's Office in Liber 8926 of Deeds at Page 402;

RUNNING THENCE: S-86°-54'-51"-E, along the south line of said Main Transit Volunteer Fire Company, Inc. lands and its extension westerly and along the south line of lands conveyed to Main Transit Volunteer Fire Company, Inc. by deed recorded in the Erie County Clerk's Office in Liber 8067 of Deeds at Page 361, a distance of 654.70 feet to a point on the east line of Lot 104;

RUNNING THENCE: S-01°-07'-53"-E, along the east line of Lot 104, a distance of 973.01 feet to a point;

RUNNING THENCE: S-89°-30'-58"-W, a distance of 583.41 feet to the POINT OR PLACE OF BEGINNING, containing 13.522 Acres, be the same, more or less.

SUBJECT to easements, rights of way and restrictions of record.

Attachment: BCPA-2023-04 application packet 111623 (28026 : BCPA-2023-04, 2360-2370 Wehrle Drive)

BEING AND INTENDED TO BE a portion of lands conveyed to Arista I, LLC by deed recorded in the Erie County Clerk's Office in Liber 11112 of Deeds at Page 5762.

8858-1 east parcel 13.522 acres.wpd

Attachment: BCPA-2023-04 application packet 111623 (28026 : BCPA-2023-04, 2360-2370 Wehrle Drive)

(Suggested Description)

West Parcel
12.153± Acres

Job No. 8858-1

ALL THAT TRACT OR PARCEL OF LAND situate in the Town of Amherst, County of Erie, State of New York, and being part of Lot 104, Township 12, Range 7 of the Holland Land Company Survey (so-called), bounded and described as follows:

COMMENCING AT A POINT on the west line George Karl Boulevard at the northeast corner of Parcel No. 120 as shown on Map No. SK 374-117 of lands conveyed to County of Erie, New York for Wehrle Drive, C.R. 290 by deed recorded in the Erie County Clerk's Office in Liber 11136 of Deeds at Page 6650;

RUNNING THENCE: The following three (3) courses and distances along the north line of Wehrle Drive as now laid out;

1. N-89°-08'-00"-W, a distance of 22.26 feet to a point;
2. S-00°-52'-00"-W, a distance of 16.40 feet to a point;
3. N-89°-08'-00"-W, a distance of 387.38 feet to a point;

RUNNING THENCE: N-00°-25'-36"-W, parallel with the east line of Oakwood Heights Subdivision as filed in the Erie County Clerk's Office under Map Cover No. 1276 and 70.0 feet easterly therefrom as measured at right angles thereto, a distance of 140.26 feet to a point;

RUNNING THENCE: N-89°-06'-01"-W, a distance of 70.0 feet to a point on the east line of said Oakwood Heights Subdivision;

RUNNING THENCE: N-00°-25'-36"-W, along the east line of said Oakwood Heights Subdivision, a distance of 1141.96 feet to THE Point or Place of Beginning of the parcel herein described;

CONTINUING THENCE: N-00°-25'-36"-W, along the east line of said Oakwood Heights Subdivision, a distance of 918.73 feet to a point;

RUNNING THENCE: N-89°-34'-24"-E, parallel with Lyndhurst Road, a distance of 50.00 feet to a point;

RUNNING THENCE: N-00°-25'-36"-W, parallel with Oakwood Drive, a distance of 100.00 feet to a point;

RUNNING THENCE: S-89°-34'-24"-W, parallel with Lyndhurst Drive, a distance of 50.00 feet to a point on the east line of said Oakwood Heights Subdivision;

RUNNING THENCE: N-00°-25'-36"-W, along the east line of said Oakwood Heights Subdivision, a distance of 148.90 feet to a point;

RUNNING THENCE: N-89°-31'-31"-E, a distance of 456.83 feet to a point;

Attachment: BCPA-2023-04 application packet 111623 (28026 : BCPA-2023-04, 2360-2370 Wehrle Drive)

RUNNING THENCE: S-00°-31'-17"-E, a distance of 465.26 feet to a point on the south line of lands conveyed to Main Transit Volunteer Fire Company, Inc. by deed recorded in the Erie County Clerk's Office in Liber 8926 of Deeds at Page 402;

RUNNING THENCE: S-00°-29'-35"-E, a distance of 702.23 feet to a point;

RUNNING THENCE: S-89°-30'-25"-W, a distance of 458.42 feet to the POINT OR PLACE OF BEGINNING, containing 12.153 Acres, be the same, more or less.

SUBJECT to easements, rights of way and restrictions of record.

BEING AND INTENDED TO BE a portion of lands conveyed to Arista I, LLC by deed recorded in the Erie County Clerk's Office in Liber 11112 of Deeds at Page 5762.

8858-1 west parcel 12.153 acres.wpd

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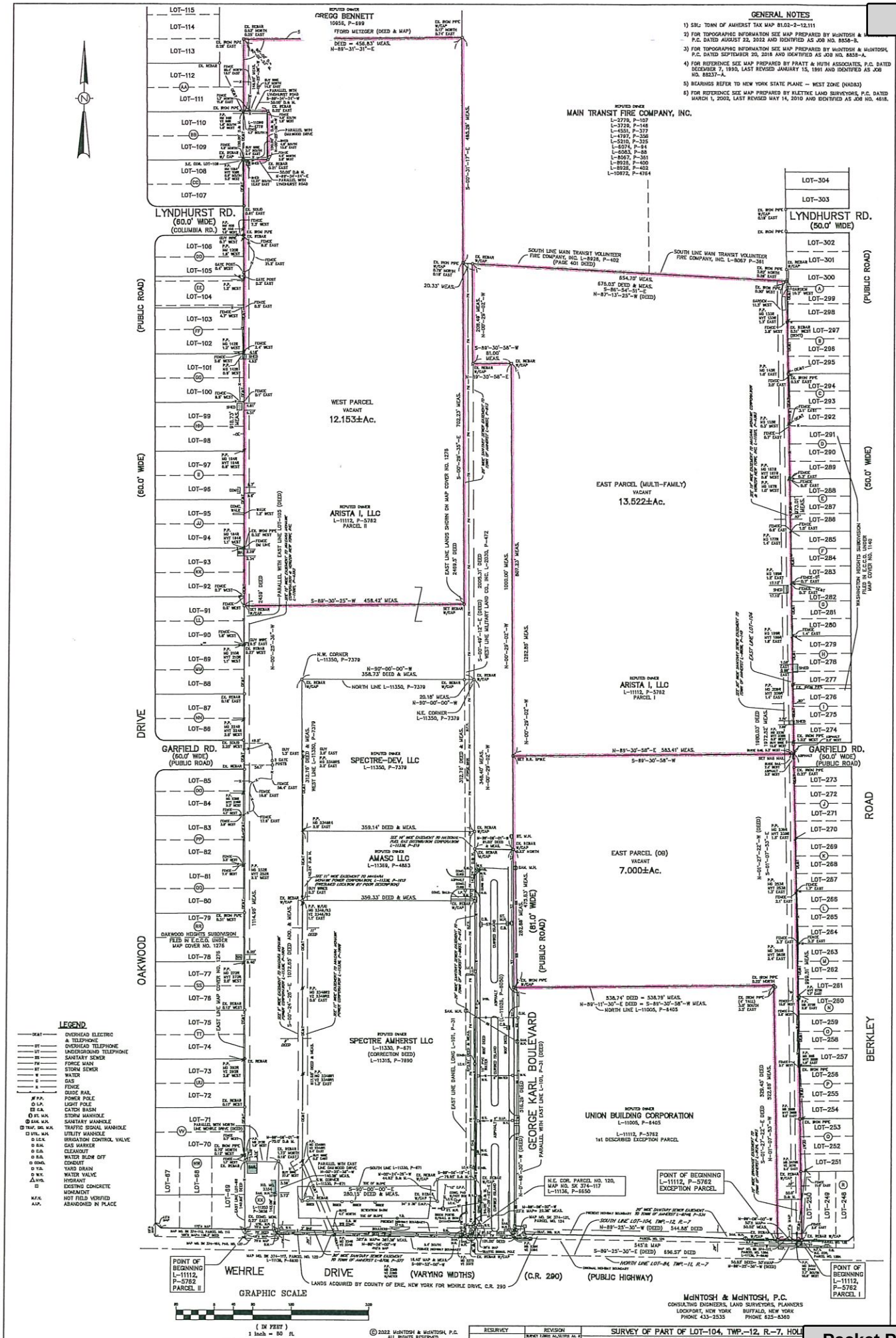

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Environmental Assessment Form

Attachment: BCPA-2023-04 application packet 111623 (28026 : BCPA-2023-04, 2360-2370 Wehrle Drive)

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

2360-2370 Wehrle Drive

Name of Action or Project:

Project Location (describe, and attach a location map):
2360-2370 - Wehrle Drive - George Karl Blvd.

Brief Description of Proposed Action:
Rezoning from office building (OB) to research development.

Name of Applicant or Sponsor:	Telephone: (716) 867-0700
Arista I, LLC	E-Mail: robertnuch@gmail.com

Address:
1330 Niagara Falls Blvd.

City/PO:	State:	Zip Code:
Tonawanda	NY	14150

	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: Town Board Approval of rezoning; Planning Board - Site Plan	☐	☑

3. a. Total acreage of the site of the proposed action? 33 +/- acres
   b. Total acreage to be physically disturbed? 26 +/- acres
   c. Total acreage (project site and any contiguous properties) owned or controlled by the applicant or project sponsor? 7 +/- acres

4. Check all land uses that occur on, are adjoining or near the proposed action:
   ☐ Urban ☐ Rural (non-agriculture) ☐ Industrial ☑ Commercial ☑ Residential (suburban)
   ☐ Forest ☐ Agriculture ☐ Aquatic ☐ Other(Specify):
   ☐ Parkland

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	NO	YES	N/A
5. Is the proposed action,			
a. A permitted use under the zoning regulations?	☑	☐	☐
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: _____ _____ _____		

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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 detention and existing storm sewers		
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: Stormwater detention		
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: Jeffery D. Palumbo - As Attorney Date: 09/25/2023

Signature: _____ Title: Attorney

PRINT FORM

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Town Environmental Assessment Form Addendum

Attachment: BCPA-2023-04 application packet 111623 (28026 : BCPA-2023-04, 2360-2370 Wehrle Drive)

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
Wassaic Silt Loam	Severe	Moderate	Severe	Moderate	Moderate
Farmington Channery Loam	Severe	Severe	Severe	Severe	Severe
Ovid Silt Loam	Severe	Severe	Severe	Severe	Severe

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).

   X 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:
   N/A

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 peak hour upon completion of project _____
   Source: AM Peak 236 Trips -- PM Peak 214 Trips

8. Will blasting occur during construction? ☐ Yes ☒ No (TBD - Depending on Rock Hardness)

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:
    3,720 GPD average flow 14,880 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.)

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

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Owner Authorization

Attachment: BCPA-2023-04 application packet 111623 (28026 : BCPA-2023-04, 2360-2370 Wehrle Drive)

AUTHORIZATION

Robert Nuchereno, Managing Member of ARISTA I, LLC, record property owner of 2360-2370 Wehrle Drive, SBL No. 81.02-2-12.1 in the Town of Amherst, hereby authorizes Block, Longo, LaMarca & Brzezinski, P.C. to file any and all applications along with any necessary supporting documentation, with the Town of Amherst in connection with the approvals sought for the above referenced property.

ARISTA I, LLC

By: _____
Robert Nuchereno, Managing Member

Dated: 9-25-23

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