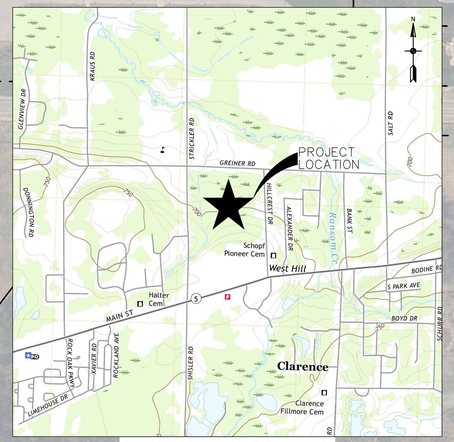

PROJECT LOCATION MAP
N.T.S.

30' PUBLIC ACCESS EASEMENT

GREINER ROAD

OPEN SPACE

STORMWATER FACILITY

STRICKLER ROAD

HILLCREST DRIVE

30' PUBLIC ACCESS EASEMENT

PROPOSED PUBLIC (60' WIDE) ROW

WINDING LANE

OPEN SPACE

1	19339 SF
2	22614 SF
3	23036 SF
4	23221 SF
5	21118 SF
6	19250 SF
7	19783 SF
8	20819 SF
9	20983 SF
10	23171 SF
11	32486 SF
12	24126 SF
13	25000 SF
14	25000 SF
15	26552 SF
16	26853 SF
17	33412 SF
18	33412 SF
19	29260 SF
20	26645 SF
21	25000 SF
22	24999 SF
23	25016 SF
24	36743 SF
25	24490 SF
26	20832 SF
27	32319 SF
28	27882 SF
29	28202 SF
30	28679 SF
31	27205 SF
32	38019 SF
33	38182 SF
34	37147 SF
35	29500 SF
36	31185 SF
37	30070 SF
38	28653 SF
39	26607 SF
40	25000 SF
41	26376 SF
42	23765 SF
43	30334 SF
44	25622 SF
45	24973 SF
46	31000 SF
47	28563 SF
48	25980 SF
49	22816 SF
50	20132 SF
51	20315 SF
52	21056 SF
53	20628 SF
54	20628 SF
55	20606 SF
56	20628 SF
57	20628 SF
58	21010 SF
59	20143 SF
60	19800 SF
61	20125 SF
62	19484 SF

200.00'
94.04'
200.00'
109.55'
32.00'
54.69'
200.55'

N

0 120' 240'
SCALE IN FEET

SITE DATA:

EXISTING ZONING:	RESIDENTIAL SINGLE FAMILY (INCENTIVE LOT)
TOTAL SITE ACREAGE:	81.5± Ac.
NUMBER OF LOTS:	62
MINIMUM LOT WIDTH REQUIRED:	100 FT.
MINIMUM LOT WIDTH SHOWN:	110 FT.
MINIMUM LOT AREA REQUIRED:	15,000 SQ. FT.
MINIMUM LOT AREA SHOWN:	19,250 SQ. FT.
GREENSPACE ACREAGE:	36.6± Ac. (45%)

GPI Engineering Design Planning Construction Management
(716) 633-4844 GPINET.COM
Greenman - Pedersen, Inc.
4950 Genesee Street, Suite 100
Buffalo, NY, 14225

PREPARED FOR
Designer Homes of WNY
PO Box 470
East Amherst, NY 14051

Greiner & Strickler Rd Subdivision

Clarence, NY

REVISIONS

NO.	REVISION	DATE
##	##	##
##	##	##
##	##	##
##	##	##

November 2025

DRAWN/DESIGN BY: ____
CHECKED BY: K.Z.

Sketch Plan

SCALE: 1" = 120'

2300033

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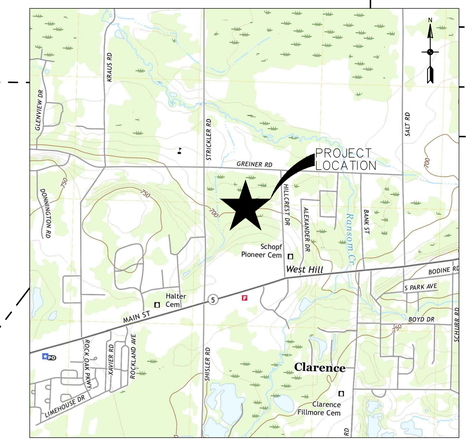

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November 2025

DRAWN/DESIGN BY: ____ CHECKED BY: K.Z.

Sketch Plan

SCALE: 1" = 120'

2300033

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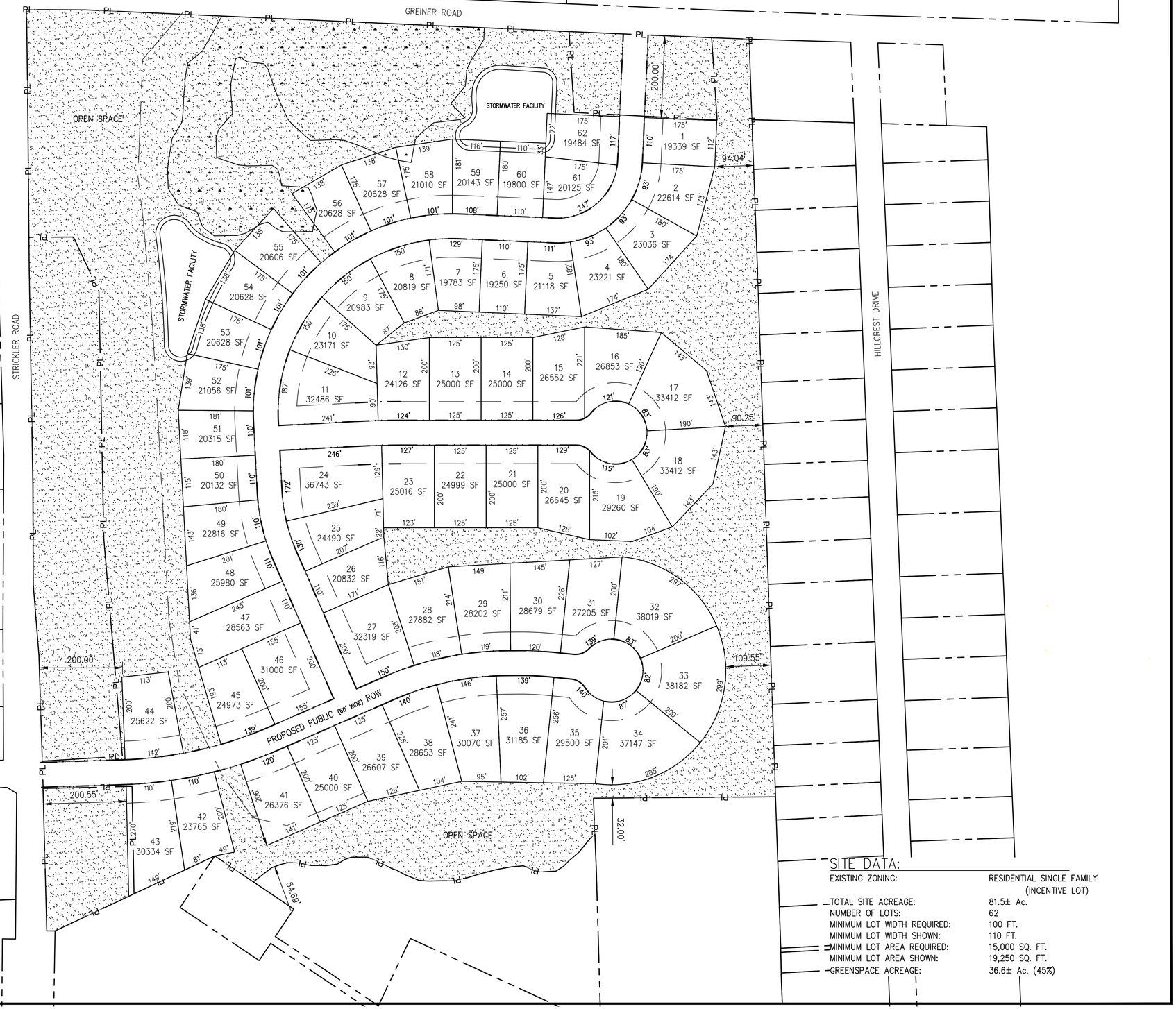
PROJECT LOCATION MAP
N.T.S.



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Greiner & Strickler Rd Subdivision

Clarence, NY

REVISIONS

NO.	REVISION	DATE
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##	##	##

July 2024

DRAWN/DESIGN BY	CHECKED BY
	K.Z.

Sketch Plan

SCALE: 1" = 120'

2300033

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February 11, 2025

Jonathan Bleuer
Office of Planning and Zoning
Town of Clarence
One Town Place
Clarence, NY 14031

RE: CONCEPT/SEQR REVIEW
STRICKLER & GREINER SUBDIVISION

Dear Mr. Bleuer:

This letter and the enclosed project documentation is being submitted to respond to the provided SEQR comments as part of the Coordinated Review process for the Strickler & Greiner subdivision project. Included with this submission are two (2) copies of the Traffic Impact Study for the subdivision.

The following sections of this letter have been prepared for the purpose of responding to the agency reviews that have been issued. For the purposes of convenience, each of the comments in the agency reviews have been reproduced below in *italics* followed by a response to each comment.

I. COMMENTS OF THE NYSDEC DATED SEPTEMBER 6, 2024:

The Memorandum issued by Lisa Czechowicz, Regional Permit Administrator, dated September 6, 2024, provided the following comments:

Comment #1: *The project area may include federally regulated wetlands based on a review of the National Wetlands Inventory wetland mapping. The project sponsor should consult with the United States Army Corps of Engineers (USACE), telephone: 716/879-4330, concerning USACE regulatory jurisdiction to determine if the project will impact federally regulated wetlands or require any other approval from that agency. If federal wetlands are involved, USACE may require the project sponsor to obtain a Section 401 Water Quality Certification (WQC) from NYSDEC.*

Response to Comment #1: A wetland delineation has been performed on the project site and identified wetlands that will potentially fall under the regulatory jurisdiction of the USACE. While these wetlands are largely avoided it is anticipated that a permit may be required due to potential impacts.

Comment #2: *In 2022, New York's Freshwater Wetlands Act was amended and several important changes to the program were made…*
… As a result of the statutory changes noted above, DEC will be working to amend DEC's freshwater wetlands regulations and update procedural steps to implement these changes. Note that these regulatory changes may have an impact upon this project.

Response to Comment #2: The Project Sponsor acknowledges that the NYSDEC has issued new wetland regulations which may impact the Project Site.

Comment #3: *Since project activities will involve land disturbance of 1 acre or more, the project sponsor, owner or operator is required to obtain a State Pollutant Discharge Elimination System General Permit for Stormwater Discharges from Construction Activity (GP-0-20-001). This General Permit requires the project sponsor, owner or operator to control stormwater runoff according to a Stormwater Pollution Prevention Plan (SWPPP), which is to be prepared prior to filing a Notice of Intent (NOI) and prior to commencement of the project. More information on General Permit GP-0-20-001, as well as the NOI form, is available on the Department's website.*

The Town of Clarence is designated as an MS4 community. The project sponsor, owner or operator of a construction activity that is subject to the requirements of a regulated, traditional land use control MS4 shall have their SWPPP reviewed and accepted by the MS4 community. The "MS4 SWPPP Acceptance" form must be signed by the principle

executive officer or ranking elected official from the MS4 community, or by a duly authorized representative of that person, and submitted along with the eNOI to receive NYSDEC approval before construction commences.

Response to Comment #3: The Project Sponsor acknowledges and understands that the proposed project will be subject to the NYSDEC SWPPP requirements including the new General Permit GP-0-25-001.

Comment #4: *The project site was noted to be located in an archaeologically sensitive area based on information obtained through the Cultural Resource Information System (CRIS) on the New York State Office of Parks, Recreation, and Historic Preservation's (OPRHP) website. As part of the SEQR process, this concern should be evaluated, unless it can be verified by appropriate documentation that the site has been significantly disturbed in a way that would destroy potential artifacts. Please recognize that normal agricultural activities, such as plowing, would not constitute such land disturbance. If there are any questions regarding this, contact OPRHP (telephone: 518/237-8643)*

Response to Comment #4: A Stage 1 Archaeological Investigation has been performed on the project site and no further investigations were recommended from the report. Confirmation of the results will be confirmed with OPRHP.

II. COMMENTS OF THE ERIE COUNTY DEPARTMENT OF ENVIRONMENT AND PLANNING DATED SEPTEMBER 26, 2024:

The Memorandum issued by Timothy German of Erie County Department of Environment and Planning dated September 26, 2024, provided the following comments:

Comment #1: *According to the Erie-Niagara Framework for Regional Growth (2006), the project site is located in a Developed Area. For the Developed area, the Framework encourages localities to develop interconnected networks of streets, sidewalks, and multi-use trails, as well as compact, pedestrian-oriented, mixed-use development. (Pages 47 & 48) The Town should consider these recommendations during its review.*

Response to Comment #1: The proposed subdivision meets the Town's zoning regulations and was determined to be the preferred alternative for the Project Site.

Comment #2: *The Town of Clarence Comprehensive Plan (2016) identifies the project area as "Hamlet Neighborhood" in its future land use map, near the Hamlet of Clarence Hollow. The project as proposed may be out of character with this area, which is dense and walkable with a traditional linear street network. (Page 47) The Town and applicant should explore any opportunity to provide additional pedestrian or vehicle connections to Main Street to the extent feasible.*

Response to Comment #2: Opportunities from the Project Site to Main Street are limited by the escarpment located at the south end of the property. Multiple concepts were prepared for the project site and the Town and developer preferred concept was chosen for approval processing.

Comment #3: *The subject property is located adjacent to a parcel that is enrolled in the Erie County North Agricultural District. The continued conversion of open spaces in the region places local agricultural operations under increased development pressure as rising property values encourage land speculation. The Town should also ensure that the applicant provides an Agricultural Data Statement.*

Response to Comment #3: The Project Site is wooded and has not had any agricultural operations in over 30 years.

Comment #4: *The Town and applicant should consider alternative lot layouts with larger contiguous areas of open space within the site. In combination with increased buffer distances around natural features, this may provide greater ecological benefits than those shown on the provided plan.*

Response to Comment #4: Various alternative layouts were prepared for the project site and the preferred plan submitted includes 45% open space as currently proposed. We believe this addresses the County's request for contiguous areas of open space.

Comment #5: *The project site contains a tributary to Ransom Creek, which is listed as a NYSDEC 303(d) impaired waterway. Development within this area may impact water quality downstream. The Town should ensure that best practices for control of site runoff are utilized during construction.*

Response to Comment #5: The Project Sponsor acknowledges the requirement to design and install appropriate site erosion and sediment control features on the Project Site.

Comment #6: *The provided EAF Mapper Summary Report identifies the project site as within a potentially archaeologically sensitive area. The applicant should complete a Phase I archaeological survey prior to proceeding with the project.*

Response to Comment #6: A Stage 1 Archaeological Investigation has been performed on the project site and no further investigations were recommended from the report. Confirmation of the results will be confirmed with OPRHP.

III. COMMENTS OF THE ERIE COUNTY DIVISION OF SEWERAGE MANAGEMENT DATED SEPTEMBER 26, 2024:

The e-mail issued by Michael Larson of the Erie County Division of Sewerage Management dated September 26, 2024, provided the following comments:

Comment #1: *The proposed project is located inside of Erie County Sewer District No. 5. The sanitary sewers near the proposed project are owned by the ECSD #5. The sanitary flows are tributary to Erie County and Amherst trunk and interceptor lines and ultimately travel to the Amherst Wastewater Treatment Facility.*

Response to Comment #1: No comment.

Comment #2: *Review and approval of any proposed sanitary sewers is required by Erie County DSM.*

Response to Comment #2: The Project Sponsor acknowledges that review and approval of any sanitary sewer design will be required by Erie County DSM.

Comment #3: *Sanitary sewer system design shall be in accordance with Ten States Standards and Erie County Sewer District Rules and Regulations and Design Requirements.*

Response to Comment #3: The Project Sponsor acknowledges that any sanitary sewer design will follow Ten States Standards and Erie County requirements.

Comment #4: *A Downstream Sewer Capacity Analysis (DSCA) may be required for this project.*

Response to Comment #4: The Project Sponsor acknowledges and understands that a DSCA will be required for project approval by ECDSM. Downstream monitoring was performed in the Spring of 2023 and capacity was available at that time for the project.

Comment #5: *Sanitary sewer Inflow and Infiltration (I/I) removal work in ECSD No. 5 may be required for this project.*

Response to Comment #5: The Project Sponsor acknowledges and understands that I/I fee or offset work will be required for this project.

IV. COMMENTS OF THE NEW YORK STATE OFFICE OF PARKS, RECREATION AND HISTORIC PRESERVATION DATED SEPTEMBER 3, 2024:

The e-mail issued by Sydney Snyder of the New York State Office of Parks, Recreation and Historic Preservation dated September 3, 2024, provided the following comments:

Comment #1: *The project is in an archaeologically sensitive location. Therefore, the State Historic Preservation Office/Office of Parks, Recreation and Historic Preservation (SHPO/OPRHP) recommends a Phase IA/IB archaeological survey for components of the project that will involve ground disturbance, unless substantial prior ground disturbance can be documented. A Phase IA/IB survey is designed to determine the presence or absence of archaeological sites or other cultural resources in the project's Area of Potential Effects (APE).*

Response to Comment #1: A Stage 1 Archaeological Investigation has been performed on the project site and no further investigations were recommended from the report. The results will be submitted to OPRHP for a final determination.

V. CONCLUSION

The applicant requests that the Planning Board issue a negative declaration pursuant to the State Environmental Quality Review Act ("SEQRA") at the next available Planning Board meeting.

Please feel free to contact me at 989-3342 if you have any questions. Thank you for your consideration in this matter.

Sincerely,
GREENMAN-PEDERSEN, INC.

Kenneth C. Zollitsch
Director of Land Planning

cc: Designer Homes
Jeffrey Palumbo, Esq., Block & Longo
2300033.00

GPI

Engineering | Design | Planning | Construction Management

Traffic Impact Study

January 2025

Greiner & Strickler Rd Subdivision
Clarence, New York

Prepared for: Designer Homes of WNY
P.O. Box 470
Eat Amherst, NY 14051

80 Wolf Road | Suite 600, Albany, NY 12205 | 518.453.9431 | gpinet.com

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B. Traffic Counts/Data Collection Data
C. Crash History Data
D. Capacity Analysis Output Sheets
E. Signal Warrant Analysis Worksheets

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1.0 Introduction

Greenman-Pedersen Inc. (GPI) has been retained to assess the traffic impacts of a 62-unit residential subdivision located at the corner of Greiner Rd and Strickler Rd in the Town of Clarence, Erie County, New York.

The following report details the analysis performed to assess the traffic impacts of the proposed development on the adjacent roadway network within the study area. This report includes a summary of the assumptions and procedures used in the analysis, as well as the findings of the analysis and any recommended improvements necessary to mitigate the identified traffic impacts resulting from site traffic.

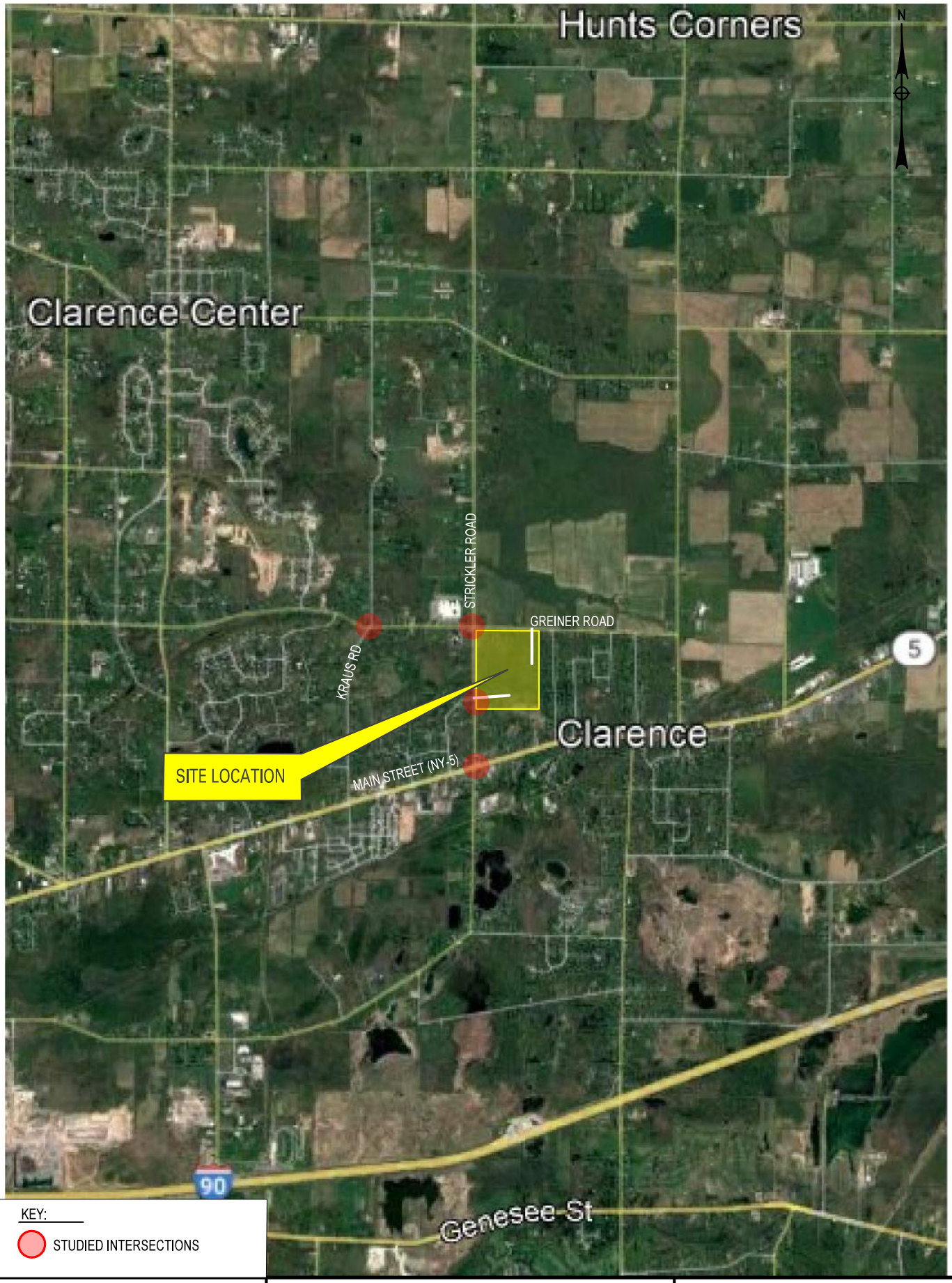
2.0 Project Area

This new development is proposed to include 62 single family homes and will be located on the southeast corner of the Greiner Rd and Strickler Rd intersection. It will have two access points, one on Greiner Rd (approximately 1,500 feet from Strickler Rd), the other on Strickler Rd (across from Winding Lane, approximately 1,850 feet from Greiner Rd. A plan showing the site's layout and access is located in Appendix A of this report.

The project area was determined after discussions with the Town and includes the following existing intersections:

- Greiner Rd and Strickler Rd
- Greiner Rd and Kraus Rd
- Strickler Rd and Winding Rd (proposed site access location)
- Stricker Rd and Main St

Figure 1 – "Site Location Map" depicts the location of the proposed development in relation to the area's roadways.



KEY:

STUDIED INTERSECTIONS

GPI Engineering Design Planning Construction Management

GREINER & STRICKLER RD SUBDIVISION
TRAFFIC IMPACT STUDY
CLARENCE, NEW YORK

SITE LOCATION MAP

SCALE:	DATE:	FIGURE NO.
NO SCALE	JANUARY 2025	1

3.0 Existing Conditions

3.1 Roadway Description

The study area's intersections are located along Greiner Rd and Strickler Rd in the Town of Clarence, New York. A description of the project area roadways and intersections follows:

Roadways

Greiner Rd is a 2-lane east-west roadway that is classified as an Urban Minor Arterial and is maintained by the County. Within the study area, Greiner Rd generally consists of one 11-foot travel lane per direction and 2 to 4-foot shoulders. The posted speed limit is 40 mph along this roadway within the study area. The Clarence middle school is located on the northwest corner of the Strickler Rd intersection with Greiner Rd and a 30 mph school speed limit is posted along the school frontage for school days between the hours of 7 AM and 6 PM.

Strickler Rd is a 2-lane north-south roadway that is classified as an Urban Major Collector Road and is maintained by the County. Within the study area, Strickler Rd generally consists of one 11-foot travel lane per direction and 2 to 4-foot shoulders. The posted speed limit is 45 mph along this roadway within the study area.

Intersections

Greiner Rd and Strickler Rd is a 4-legged, all-way stop-controlled (AWSC) intersection located approximately, 1,500 feet west of the site's Greiner Rd entrance and 1,850 north of the site's Strickler Rd entrance. Each approach to this intersection has a single entering and single departing lane.

Greiner Rd and Kraus Rd is a 4-legged, two-way stop-controlled (TWSC) intersection with stop sign control along the Kraus Rd approaches. It is located approximately 2,650 feet east of the Greiner-Strickler intersection. Each approach to this intersection has a single entering and single departing lane. The southern approach is skewed (doesn't approach at a 90 degree angle) and has a large radius on the southwest corner (to accommodate truck turning onto the skewed approach). There are no stop bars or lane striping marked on either of the Kraus Rd approaches.

Strickler Rd and Winding Lane is a 3-legged intersection with stop-sign control on the Winding Ln approach. The Strickler Rd access to the proposed site is planned to access the roadway across from Winding Ln forming a 4-legged TWSC intersection in the future. Each approach to this intersection has a single entering and single exiting lane. Winding Lane is one of three access points that serve a residential subdivision of approximately 75 homes to the west of Strickler Rd.

Strickler Rd/Shisler Rd and Main St (NY Route 5) is a 4-legged signalized intersection located approximately 1,750 feet south of the proposed Strickler Rd Site entrance and Winding Ln. The northern (Strickler Rd) and southern (Shisler Rd) approaches have single entering and exiting lanes, while the east and west approaches have separate thru-right lanes and left turn lanes. The left turn lanes are formed out of a two-way left turn lane (TWLTL) median that runs along Main St. The turn lanes are striped to provide dedicated left turn lane access at the intersection of 150 feet eastbound and 300 feet westbound, but if queues at the signal extend past those lengths, vehicles can still queue in the TWLTL, so they would not be impeding Main St through traffic. This intersection is controlled by an actuated signal (can detect when vehicles are present and adjust phase lengths accordingly). The signal has separate phases for the Main St and Strickler Rd approaches and has protected-permitted phasing for the main street left turn movement (Protected-permitted meaning left turn vehicles have a dedicated left turn green arrow phase but can turn left when gaps are available during the Main St green phase as well).

3.2 Data Collection

A field investigation of the study area included traffic counts, a speed study and sight distance measurements. Turn movement traffic counts were conducted at the Study Area intersections during the peak travel periods of 7:00 AM – 9:00 AM and 2:30 PM – 6:00 PM on Tuesday, December 10th, 2024. This data was utilized to develop AM and PM peak hour traffic volumes for the study area. It should be noted that 2:30 was selected as the PM start time, opposed to the more traditional 4:00 PM, to ensure impacts from the Clarence Middle School peak traffic on the roadway's afternoon peak hour were observed.

3.3 Existing Traffic Volumes

Based on the vehicle traffic data recorded it was determined that the weekday morning and afternoon peak hours for roadway traffic within the study area are 8:00 AM – 9:00 AM and 3:30 PM – 4:30 PM, respectively. Reviewing NYSDOT seasonal adjustment factors, it was determined that weekday December traffic is within about 1% of average annual conditions, so no seasonal adjustment was made to the count data. Traffic count data sheets for each of the intersections are included in Appendix B of this report. The 2024 Existing Peak Hour Traffic Volumes are shown in Figure 2 on the next page.

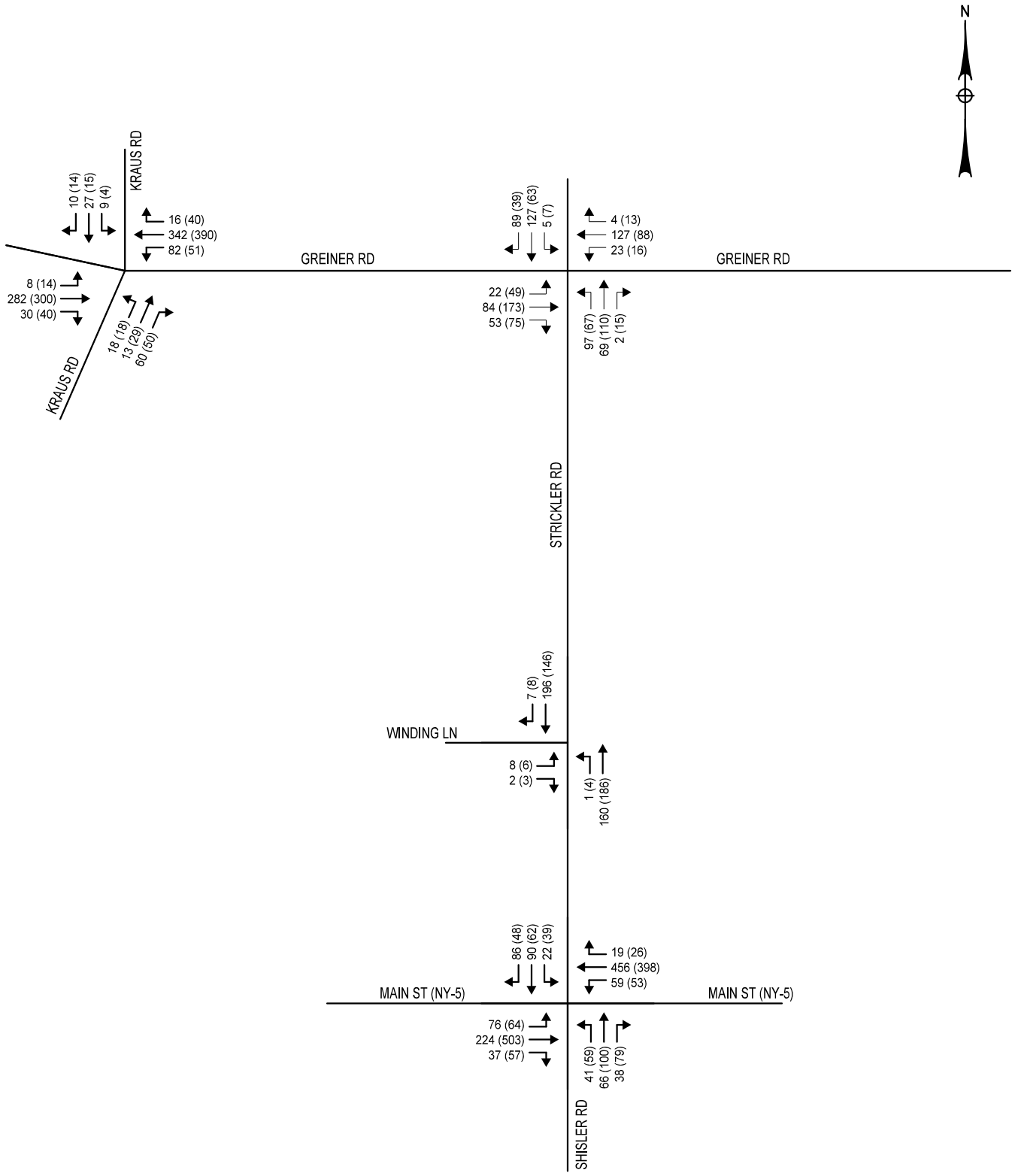
3.4 Sight Distance

A speed study was conducted along both Greiner Rd and Strickler Rd at the proposed driveway locations. This study (see Appendix B for data sheet) revealed that the 85th percentile speed approaching each of the site driveways is between 47 and 50 mph. As such, a 50-mph design speed was used for the sight distance evaluation.

Sight distance measurements were conducted in accordance with the methodologies discussed in AASHTO's "*A policy on geometric design of Highways and Street*", 7th edition. These measurements revealed that there is more than 1,000 feet of sight distance available in all directions (looking left and right) from each of the site access roads. Any length above 555 feet would be sufficient to meet the required intersection sight distance criteria. As such, sight distance will not be an issue for the proposed site access roads. Table 2 below summarized the sight distance data.

Table 1
Sight Distance Summary

Location	Side Street Turn Movement	Direction	Available Sight Distance	Design Speed (mph)	Required Stopping Sight Distance	Recommended Intersection Sight Distance
Site Access Road along Greiner Rd	Right Turn	Left (West)	1000'+	50	425'	480'
	Left Turn	Left (West)	1000'+	50	425'	555'
		Right (East)	1000'+	50	425'	555'
Site Access Road along Strickler Rd	Right Turn	Left (South)	1000'+	50	425'	480'
	Left Turn	Left (South)	1000'+	50	425'	555'
		Right (North)	1000'+	50	425'	555'



KEY:

XXX (XXX) = AM (PM) PEAK HOUR TRAFFIC VOLUMES

GPI Engineering Design Planning Construction Management

GREINER & STRICKLER RD SUBDIVISION
TRAFFIC IMPACT STUDY
CLARENCE, NEW YORK

2024 EXISTING CONDITION
PEAK HOUR VOLUMES

SCALE:	DATE:	FIGURE NO.
NO SCALE	JANUARY 2025	2

3.5 Crash History

A crash analysis was performed along Greiner Rd and Strickler Rd adjacent to the proposed site to assess safety needs near the site access road intersections. This analysis included data for the 3-year period from March 31, 2021, to March 31, 2024, and included all available crash records for Strickler Rd between Winding Ln and Greiner Rd, and Greiner Rd between Strickler Rd and Hillcrest Dr. The crash record details and police reports are in included in Appendix C.

Overall, 9 applicable crashes were noted during the study period. Of these crashes, 6 occurred at the Greiner Rd/and Strickler Rd intersection and 3 occurred along the Greiner Rd segment between Strickler Rd and Hillcrest Dr. There were no reported crashes along the Strickler Rd segment.

Two of the crashes reported involved personal injury (both right angle crashes at the intersection) and the remaining involved property damage only. A summary of the crash types reported during the study period is shown in Table 2.

Table 2
Crash Type Summary

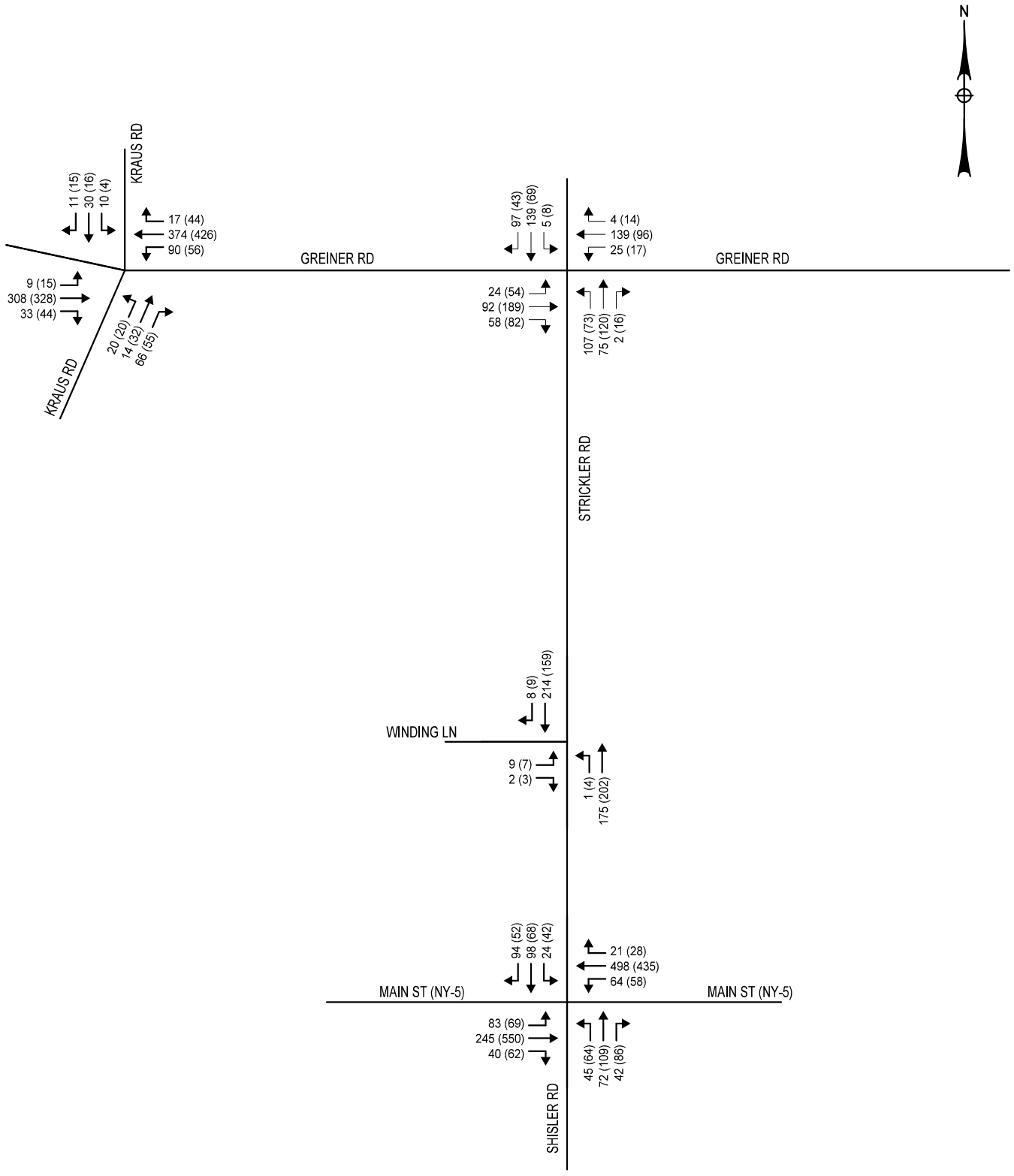
Intersection	Right Angle	Rear End	Animal	**Total**
Greiner Rd/Strickler Rd Intersection	5	1	0	**6**
Greiner Rd between Stricker and Hillcrest	0	0	3	**3**
Strickler Rd between Winding and Greiner	0	0	0	**0**
Total	**5**	**1**	**3**	**9**

Reviewing the crash data, only one pattern was noted, that being eastbound vehicles along Greiner Rd running through the stop sign and hitting crossing Strickler Rd vehicles. Reviewing field conditions, there is an advance "stop sign ahead" warning sign eastbound and sufficient sight distance southbound, so no deficiencies were present. However, It is recommended that oversized "STOP" signs be installed on both sides of the roadway for the eastbound approach of the intersection to help reduce these crashes.

3.7 Background Traffic Growth

To address the impacts of the proposed development on the surrounding roadway system, it was first necessary to determine the background traffic operations as a baseline. It is anticipated that construction will start in 2026 and the development will be fully occupied by 2030. As such, 2030 was selected as the design year for impact analysis.

Using NYSDOT historical count station traffic data along the adjacent roadways, it was determined that up to 1.5% annual traffic growth could be expected as a result of regional development. Based on this data (see growth rate worksheet in Appendix B), existing traffic volumes were adjusted by a factor of 1.093 (1.5% for 6 years) to estimate the 2030 No-build (background) traffic volumes. These volumes are shown in Figure 3.



KEY:

XXX (XXX) = AM (PM) PEAK HOUR TRAFFIC VOLUMES

GPI Engineering Design Planning Construction Management

GREINER & STRICKLER RD SUBDIVISION
TRAFFIC IMPACT STUDY
CLARENCE, NEW YORK

2030 NO-BUILD CONDITION
PEAK HOUR VOLUMES

SCALE:	DATE:	FIGURE NO.
NO SCALE	JANUARY 2025	3

4.0 Projected Traffic Conditions

4.1 Site Generated Traffic

The number of trips generated by the proposed development was estimated for the peak hour conditions using the data contained in the Trip Generation Manual, 11th Edition, published by the Institute of Transportation Engineers (ITE). This publication contains data from various case studies on many different types of land uses. For the proposed development, LUC 210 – "Single Family Detached Housing" was used to estimate the trip generation potential of the site.

For the proposed develop, it is assumed that the site consists of 62 single family dwelling units. The data in the manual suggests a development of this size and type would generate 48 AM peak hour trips and 63 PM peak hour trips.

A summary of the trip generation estimate for the proposed site is included in Table 3.

TABLE 3
TRIP GENERATION SUMMARY

Land Use Code	Land Use	Size	AM Peak Hour			PM Peak Hour		
			In	Out	**Total**	In	Out	**Total**
210	Single Family Detached Housing	62 units	12	36	**48**	40	23	**63**
Total Trips Generated			12	36	**48**	40	23	**63**

4.2 Trip Distribution

The trip distribution for the proposed site was developed based on existing traffic volumes, potential employment and shopping destinations, and likely travel routes. This data was substantiated through a sampling of the trip distribution from other residential developments within the area. This sampling was performed using the "Replica" on-line Urban Planning Tool . Replica utilizes government provided census data and de-identified movement data collected from mobile devices to estimate the origins and destinations of traffic along roadway links. The trip distribution for new site trips is projected to be the following:

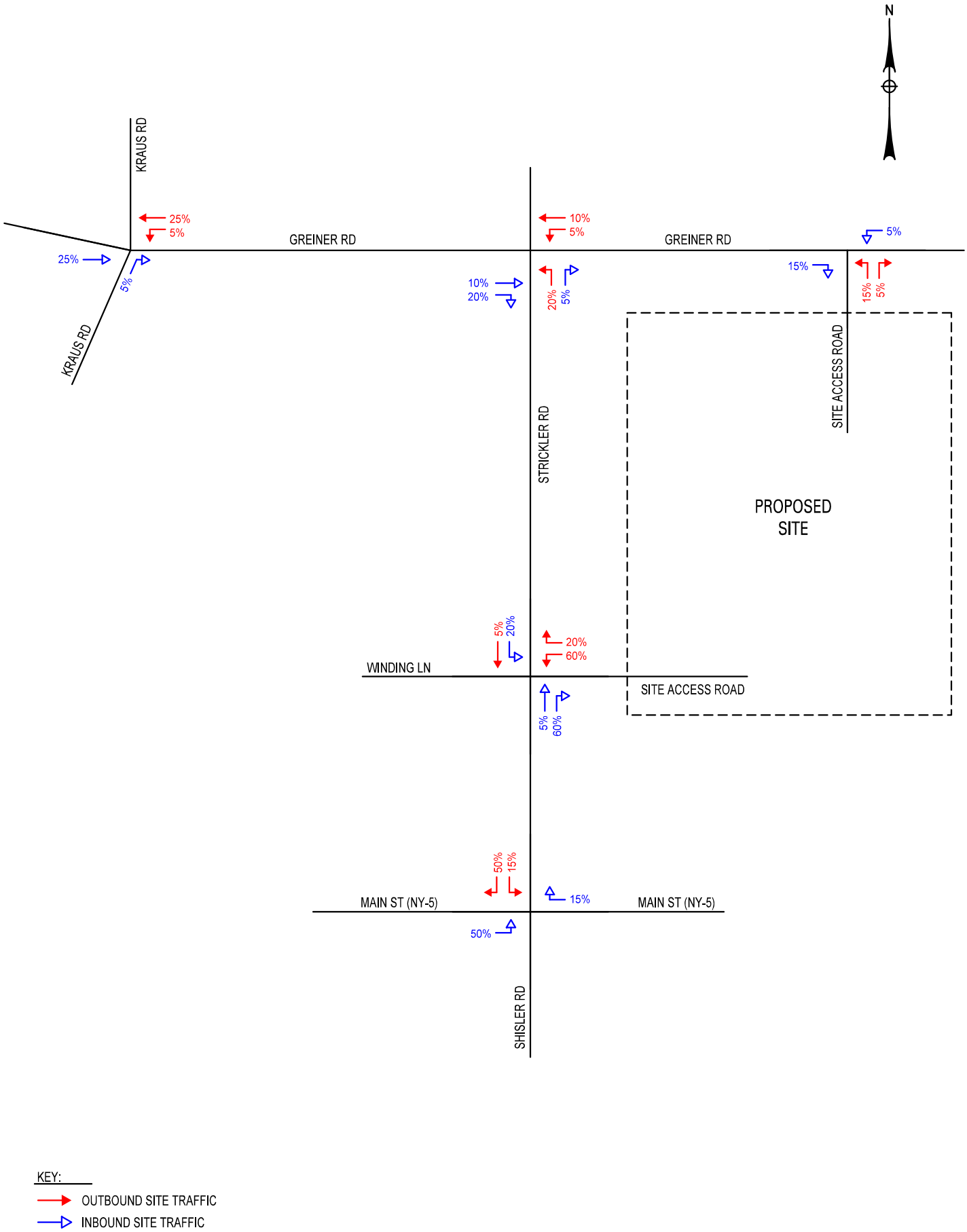
- 50% to/from the West via Strickler Rd to Main St
- 15% to/from the East via Strickler Rd to Main St
- 5% to/from the East via Greiner Rd
- 25% to/from the West via Greiner Rd
- 5% to/from Kraus Rd via Greiner Rd

These percentages, along with the percentage of traffic utilizing each of the site driveways, are graphically shown in Figure 4 – "Directional Distribution of New Site Trips".

Applying these percentages to the site's trip generation estimate, the trip assignments for new site trips within the study area were determined. These numbers are depicted in Figure 5 – "Trip Assignment of New Site Trips."

4.3 Build Condition Traffic Volumes

The Build Condition peak hour traffic volumes were developed by combining the "2030 No-Build Condition Peak Hour Traffic Volumes" and the "Projected New Site Trips". These volumes are graphically depicted in Figure 6 – "2030 Build Condition Peak Hour Traffic Volumes".

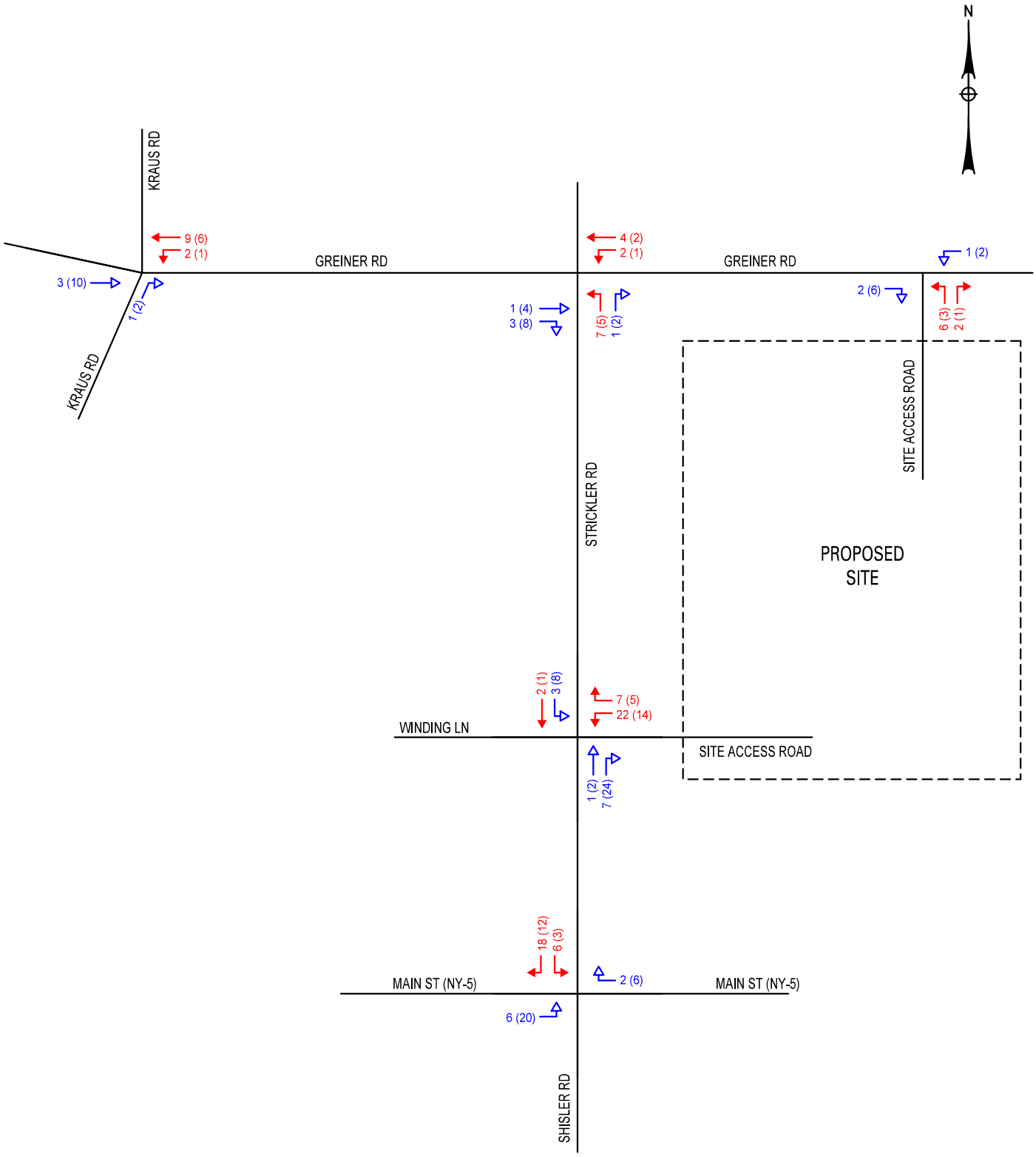


GPI Engineering Design Planning Construction Management

GREINER & STRICKLER RD SUBDIVISION
TRAFFIC IMPACT STUDY
CLARENCE, NEW YORK

DIRECTIONAL DISTRIBUTION
FOR NEW SITE TRIPS

SCALE:	DATE:	FIGURE NO.
NO SCALE	JANUARY 2025	4



KEY:

OUTBOUND SITE TRAFFIC

INBOUND SITE TRAFFIC

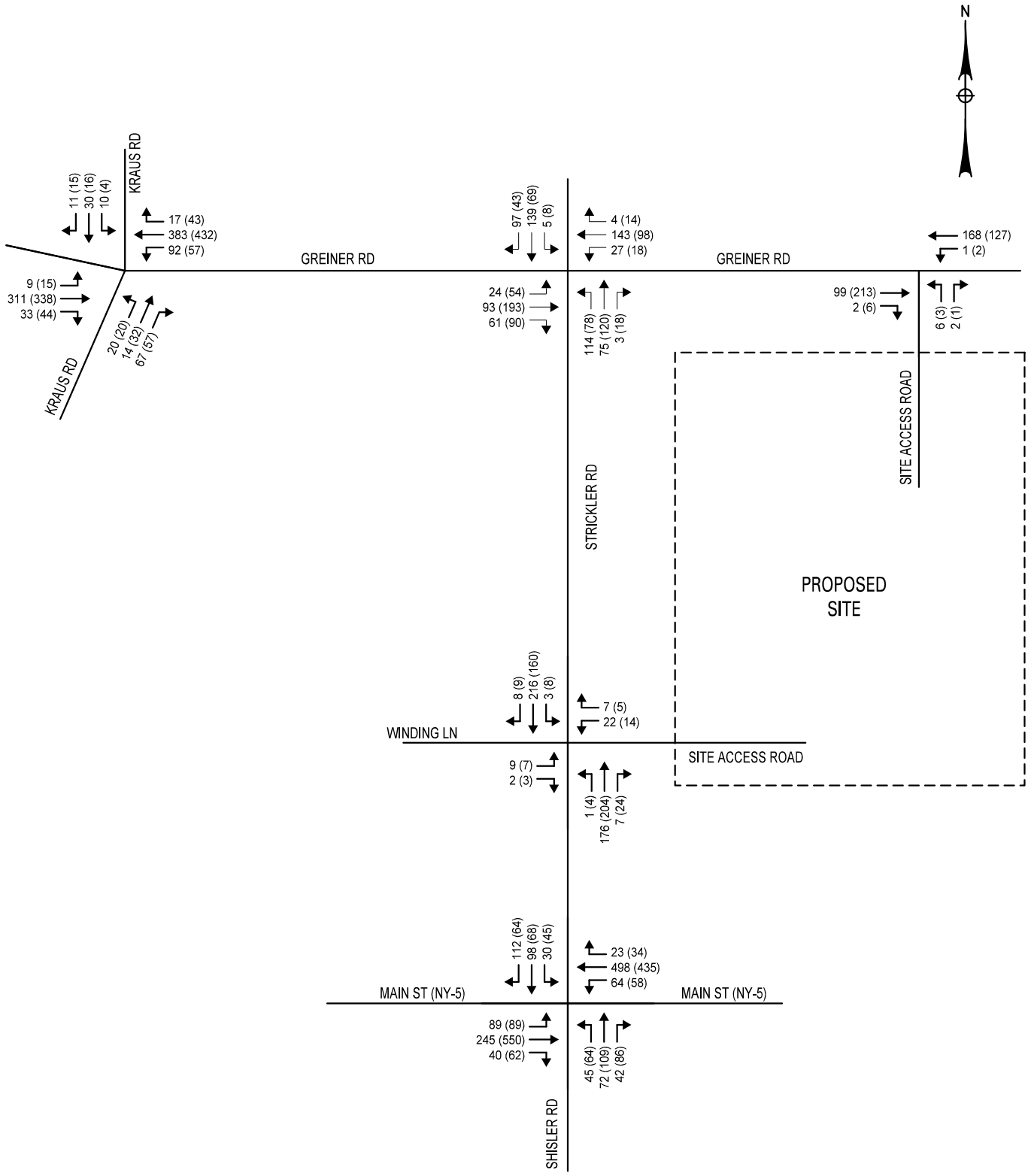
XXX (XXX) = AM (PM) PEAK HOUR TRAFFIC VOLUMES

GPI Engineering Design Planning Construction Management

GREINER & STRICKLER RD SUBDIVISION
TRAFFIC IMPACT STUDY
CLARENCE, NEW YORK

TRIP ASSIGNMENT OF SITE GENERATED TRIPS

SCALE:	DATE:	FIGURE NO.
NO SCALE	JANUARY 2025	5



KEY:

XXX (XXX) = AM (PM) PEAK HOUR TRAFFIC VOLUMES

GPI Engineering Design Planning Construction Management

GREINER & STRICKLER RD SUBDIVISION
TRAFFIC IMPACT STUDY
CLARENCE, NEW YORK

2030 BUILD CONDITION
PEAK HOUR VOLUMES

SCALE:	DATE:	FIGURE NO.
NO SCALE	JANUARY 2025	6

5.0 Operating Conditions

5.1 Capacity Analysis Description

The operating conditions of transportation facilities are evaluated based on the relationship of existing or projected traffic volumes to the theoretical capacity of the highway facility, which can be equated to a level of service (LOS) based on the delay experienced by each vehicle. Level of service ranges from LOS A to LOS F and the delay thresholds that define various levels of service can be found in the *Highway Capacity Manual*, published by the Transportation Research Board. In general, "A" represents the best operating condition with unrestricted flow and little or no delay per vehicle, and "F" represents the worst, with congested conditions, long delays and poor traffic operations. LOS C or better is generally desirable, but LOS D for signalized locations and LOS E for unsignalized are generally acceptable during peak periods as long as the volume to capacity ratio (v/c) is below 1.0.

Table 4 below presents the LOS criteria for both signalized and unsignalized intersections.

TABLE 4
LEVEL OF SERVICE CRITERIA

LOS	Signalized Intersection Delay Per Vehicle (sec.)	Unsignalized Intersection Delay Per Vehicle (sec.)
A	≤ 10.0	≤ 10.0
B	> 10.0 and ≤ 20.0	> 10.0 and ≤ 15.0
C	> 20.0 and ≤ 35.0	>15.0 and ≤25.0
D	> 35.0 and ≤ 55.0	> 25.0 and ≤ 35.0
E	> 55.0 and ≤ 80.0	> 35.0 and ≤ 50.0
F	> 80.0	> 50.0

5.2 Results of Analysis

Although capacity analysis was performed for this project, it should be noted that New York State Department of Transportation (NYSDOT) has a general rule of thumb that a development that generates less than 100 new trips typically does not require a traffic study, as it is unlikely such a low trip generation would cause any roadway impacts.

Similarly, the Institute of Traffic Engineers (ITE), states in their *Traffic Impact Analyses for Site Development* publication… *"In lieu of other locally preferred thresholds, it is suggested that a transportation impact study be conducted whenever a proposed development will generate 100 or more added (new) trips during the adjacent roadways' peak hour or the development's peak hour."* This publication goes on to say that 100 vehicles can change the level of service or appreciably increase the volume to capacity ratio of an intersection approach. This, and other ITE publications, suggest that developments that generate less than 100 peak hour vehicles will have no significant impact on the adjacent roadway traffic operations.

Because of this, we can qualitatively say that the maximum hourly trip generation of 63 vehicles for the proposed site will not result in any impacts on traffic operations. This was verified through the capacity analysis performed. This analysis was performed for both the weekday AM and PM peak hour under existing, no-build and future build conditions.

The traffic operations within the study area for each of these conditions are summarized in Table 5 and detailed in the computation worksheets found in Appendix D.

TABLE 5
LEVEL OF SERVICE SUMMARY

Location	Approach/ Movement	AM Peak Hour			PM Peak Hour		
		Existing	Nobuild	Build	Existing	Nobuild	Build
Greiner Rd and Strickler Rd (AWSC)	Northbound	B (10.5)	B (11.2)	B (11.5)	B (11.1)	B (11.9)	B (12.2)
	Southbound	B (10.9)	B (11.7)	B (11.9)	A (9.9)	B (10.4)	B (10.5)
	Eastbound	B (10.1)	B (10.7)	B (10.9)	B (12.2)	B (13.6)	B (14.1)
	Westbound	B (10.3)	B (11.0)	B (11.2)	A (9.7)	B (10.2)	B (10.3)
	OVERALL	**B (10.5)**	**B (11.2)**	**B (11.4)**	**B (11.1)**	**B (12.1)**	**B (12.4)**
Greiner Rd and Kraus Rd[(1)] (TWSC)	Northbound	C (16.9)	C (19.4)	C (19.9)	D (28.2)	E (38.7)	E (41.0)
	Southbound	C (22.0)	D (25.9)	D (26.9)	C (23.2)	D (27.5)	D (28.5)
	Eastbound/LT	A (8.1)	A (8.2)	A (8.2)	A (8.6)	A (8.7)	A (8.8)
	Westbound/LT	A (8.2)	A (8.3)	A (8.3)	A (8.4)	A (8.5)	A (8.6)
Strickler Rd and Winding Ln / Proposed Site Access[(1)] (TWSC)	Northbound/LT	A (7.8)	A (7.8)	A (7.8)	A (7.6)	A (7.6)	A (7.6)
	Southbound/LT	n/a	n/a	A (7.7)	n/a	n/a	A (7.8)
	Eastbound	B (11.0)	B (11.4)	B (12.1)	B (10.5)	B (10.7)	B (11.5)
	Westbound	n/a	n/a	B (12.1)	n/a	n/a	B (11.6)
Strickler Rd/Shisler Rd and Main St (Signalized)	Northbound	C (24.0)	C (24.5)	C (24.7)	C (26.5)	C (28.0)	C (28.5)
	Southbound	C (25.9)	C (26.7)	C (28.4)	C (24.0)	C (24.4)	C (25.2)
	Eastbound	A (10.0)	B (10.4)	B (10.4)	B (12.9)	B (14.2)	B (14.0)
	Westbound	B (12.0)	B (12.7)	B (12.8)	B (11.5)	B (12.1)	B (12.3)
	OVERALL	**B (15.1)**	**B (15.7)**	**B (16.3)**	**B (15.7)**	**B (16.7)**	**B (16.9)**
Greiner Rd and Proposed Site Access[(1)] (TWSC)	Northbound	n/a	n/a	A (9.9)	n/a	n/a	B (10.5)
	Westbound/LT			A (7.5)			A (7.7)

1. HCM Two-way stop control (TWSC) methodology assumes uncontrolled through and right turn movements have a theoretical delay of zero, so only mainline left turn movement and side street delays are shown in the table for these type intersections.

X (XX.X) = Level of Service (Delay per vehicle in seconds)

The analysis results were as expected. Because of the low number of trips generated by the site, levels of service for all intersections remained the same between the No-build and Build condition for both the AM and PM peak hours, and no impacts were identified. A more detailed description of the level of service at each of the studied intersection is below.

For the Greiner/Strickler Rd intersection, the overall intersection level of service was LOS B for both the AM and PM peak of the Existing, No-build and Build conditions. The only change in levels of service were on the southbound and westbound approaches, where the PM peak hour levels of service dropped from the Existing LOS A to LOS B in the 2030 No-build condition.

However, that drop happens regardless of whether the proposed development is built, and those levels of service are still well within an acceptable range.

For the Greiner/Strickler Rd intersection, It should be noted that during the afternoon school pick-up time there are vehicles parked along the Greiner Rd shoulder from the school entrance to the Strickler Rd intersection and around the corner along Stricker Rd, so this condition was reviewed to determine if it caused any traffic operational issues. It was found that this queue only existing for about a 20-minute period, between 3:20 and 3:40 PM, and our video of the condition at this time showed traffic at the intersection flowing acceptably and not impeded by the queue. Additionally, no crashes involving parked cars were noted in the crash study performed, so there doesn't appear to be a significant safety issue with these cars on the side of the road. Finally, it is worth noting that the majority of the proposed site's peak hour traffic would be occurring after 4:00 PM (end of business day), which is outside the timeframe of the queue. All these facts combined indicate that intersection traffic operations in the existing condition is not significantly impacted by this queue. Based on the analysis conducted, the proposed site traffic will not cause any significant impacts to school operations or safety.

At the Greiner/Kraus Rd intersection, the existing LOS C on the southbound approach drops to LOS D in both the No-build AM and PM peak hours, and the existing LOS D on the northbound approach drops to LOS E in the No-build PM peak hour, but again, the Build condition level of service is the same as the No-build condition, and the approach levels of service are all within a generally acceptable range.

For the signalized Strickler Rd and Main St intersection, the eastbound approach goes from an existing LOS A to LOS B in the No-build AM peak hour, but all other No-build and Build condition approach levels of service remain the same as Existing. All approaches operate at an acceptable LOS C or better for all conditions analyzed during both the AM and PM peak hours.

Additionally, the two site access road locations will operate at no worse than LOS B for all side street approaches for all periods and conditions. This is also well with an acceptable operating range.

Overall, the analysis shows traffic generated by the proposed development will have little to no impact on traffic operations within the study area.

5.3 Traffic Signal Warrant Analysis

Traffic Signal Warrant Analyses were performed for the Greiner Rd and Strickler Rd intersection for each of the analyzed conditions (Existing, No-build, Build). These analyses were conducted in accordance with the guidelines shown in the Manual on Uniform Traffic Control Devices (MUTCD) Chapter 4, which lists criteria for nine separate traffic signal warrants. Satisfaction of any or all the warrants does not in itself require the installation of a traffic control signal, but satisfaction of at least one of the warrants does provide justification for signalization. The traffic signal warrants listed in the MUTCD include:

- Warrant 1, Eight-Hour Vehicular Volume
- Warrant 2, Four-Hour Vehicular Volume
- Warrant 3, Peak Hour
- Warrant 4, Pedestrian Volume
- Warrant 5, School Crossing
- Warrant 6, Coordinated Signal System
- Warrant 7, Crash Experience
- Warrant 8, Roadway Network
- Warrant 9, Intersection Near a Grade Crossing

Of these warrants, #4, 5, 6, 8 & 9 require conditions not present at the intersection and are not applicable. Warrants 1, 2, 3 & 7 were reviewed to determine if a signal is justified at this location.

It should be noted that the warranting criteria states, "if a studied intersection is located where the critical speed of the major street traffic is greater than 40 mph, or is in a built-up area of an isolated community with population less than 10,000, the warranting criteria is reduced to 70% of the standard warranting thresholds." Given speed limit along Strickler Rd is 45 mph and the measured 85th percentile travel speed along both roadways was nearly 50 mph, it was determined the 70% criteria was appropriate for this location.

Warrant 1 – 8-hour vehicular volume

This warrant requires that minimum volume thresholds on both the mainline roadway and side streets are met for a minimum of 8 hours in a day. This criteria was met in zero hours of the day for the Existing and No-build conditions and only 1 hour of the day under Build conditions. ***This volume warrant is not met.***

Warrant 2 – 4-hour vehicular volume

This warrant has different warranting thresholds than the 8-hour warrant, and these thresholds must be satisfied for at least 4 hours during the day. The intersection volumes exceeded these thresholds only 2 hours of the day in the Existing condition and 3 hours of the day in the No-build and Build condition. ***This volume warrant is not met.***

Warrant 3 – Peak Hour

In some cases peak roadway traffic hours are so extreme that a signal is warranted even if heavy traffic is not present during other hours of the day. For this warrant, the peak hour thresholds needs to be met for just a single hour of the day for signal justification. However, in this case, the peak hour threshold was not met for any hour of the day under the reviewed conditions. ***This volume warrant is not met.***

Warrant 7 – Crash Experience

The final warrant reviewed involves safety, and requires that 5 angle or pedestrian crashes occur in a single year, or 6 within a 3-year period. If those thresholds are met, it also requires that 80% of the volume requirements for Warrant 1 be met as well. The analyzed intersection had only 5 angle crashes in a 3-year period, which does not meet the criteria, and the volumes only meet the criteria for 4 of 8 hours. In both cases, ***the required criteria were not satisfied.***

Based on the warrant analysis, a traffic signal is not currently warranted and will continue to not be warranted in the future Build condition. See warrant analysis worksheets in Appendix E.

6.0 Findings & Recommendations

The preceding analylsis evaluated the potential traffic impacts resulting from a new housing subdivision located along Greiner Rd and Strickler Rd in Clarence, New York. The development is proposed to include 62 single-family detached homes and full build out and occupation is expected by the end of 2030. Findings and recommendations derived from the traffic analysis performed include the following:

1. Existing traffic volumes were counted in December 2024. Based on NYSDOT seasonal adjustment factors, the counted volumes should be a reasonable representation of average annual traffic.
2. Historic traffic volume data along Greiner Rd and Strickler Rd suggests that a 1.5% per year traffic growth as a result of regional development would be reasonable. As such, existing traffic was grown by a factor of 1.093 to estimate 2030 No-build traffic conditions.
3. Data collected at the site indicated that the 85th percentle speed is between 47 to 50 mph at the proposed site access road locations. As such a 50-mph design speed was assumed for these roads within the study area.
4. The crash analysis revealed that 9 crashes occurred within a 3-year period adjacent to the site, with 6 of them being at the Greiner Rd and Strickler Rd intersection. 5 of the 6 at the intersection were right angle involving eastbound vehicles running through the stop sign. It is recommended that oversized "STOP" signs be placed on both sides of the roadway facing the eastbound approach to help reduce these type crashes.
5. Using data from the ITE Trip Generation Manual, the trip generation potential of the proposed site is estimated to be 48 trips (12 entering/36 exiting) in the AM peak hour and 63 trips (40 entering/23 exiting) in the PM peak hour.
6. No existing intersection has an increase of more than 54 vehicles per hour as a result of the development. Qualitatively, you can deduce that this traffic will not impact existing traffic operations, as less than 100 trips are present at each location.
7. Highway capacity analysis was performed and it confirmed that traffic at each intersection within the study area would not be significantly impacted. There will be no change in level of service between the No-build and Build condition and all approaches will operate at acceptable levels of service.
8. Access roadways should both include a single lane in each direction at the Greiner Rd and Strickler Rd intersections.
9. Traffic signal warrants for the Griner Rd and Strickler Rd intersection were reviewed for the Existing, No-build and Build conditions. No warrants were satisfied and a signal is not justified.

Based on the preceding analysis, traffic from the the proposed development will not significantly impact the traffic operations of the existing roadway network.

APPENDIX A

Site Plan

PROJECT LOCATION MAP
N.T.S.

N

0 120' 240'
SCALE IN FEET

SITE DATA:

EXISTING ZONING:	RESIDENTIAL SINGLE FAMILY (INCENTIVE LOT)
TOTAL SITE ACREAGE:	81.5± Ac.
NUMBER OF LOTS:	62
MINIMUM LOT WIDTH REQUIRED:	100 FT.
MINIMUM LOT WIDTH SHOWN:	110 FT.
MINIMUM LOT AREA REQUIRED:	15,000 SQ. FT.
MINIMUM LOT AREA SHOWN:	19,250 SQ. FT.
GREENSPACE ACREAGE:	36.6± Ac. (45%)

GPI Engineering Design Planning Construction Management
(716) 633-4844 GPINET.COM
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4950 Genesee Street, Suite 100
Buffalo, NY, 14225

PREPARED FOR
Designer Homes of WNY
PO Box 470
East Amherst, NY 14051

Greiner & Strickler Rd Subdivision

Clarence, NY

REVISIONS

NO.	REVISION	DATE
##	##	##
##	##	##
##	##	##
##	##	##

July 2024

DRAWN/DESIGN BY	CHECKED BY
	K.Z.

Sketch Plan

SCALE: 1" = 120'

2300033

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N:\2023\WNY-2300033.00 Strickler & Greiner Rd Subdivision\CAD\Design Plans\Sketches\2024-05-20_Sketch Plan.dwg Thursday, 11 July 2024 3:46PM

APPENDIX B

Traffic Counts/Data Collection

Greenman-Pedersen, Inc.
80 Wolf Rd, Suite 600
Albany, NY 12205
(518) 453-9431

Intersection: Strickler Road at Greiner Road
Location: Town of Clarence, New York
GPI Project No.: 2300033.00
Count Date: 12/10/2024

Total Traffic - Cars & Heavy Vehicles

Start Time	Strickler Road Southbound					Greiner Road Westbound					Strickler Road Northbound					Greiner Road Eastbound				
	U Turns	Left Turns	Straight Through	Right Turns	Peds/ Bikes	U Turns	Left Turns	Straight Through	Right Turns	Peds/ Bikes	U Turns	Left Turns	Straight Through	Right Turns	Peds/ Bikes	U Turns	Left Turns	Straight Through	Right Turns	Peds/ Bikes
7:00 AM	0	0	19	2	0	0	2	12	2	0	0	1	5	0	0	0	2	10	3	0
7:15 AM	0	1	18	7	0	0	2	36	2	0	0	7	7	1	0	0	1	13	7	0
7:30 AM	0	1	22	10	0	0	3	38	2	0	0	12	8	0	0	0	1	22	12	0
7:45 AM	0	0	20	25	0	0	2	63	3	0	0	30	10	1	0	0	3	31	16	0
8:00 AM	0	0	17	21	0	0	8	29	1	0	0	20	7	0	0	0	6	29	15	0
8:15 AM	0	2	33	16	0	0	6	42	0	0	0	27	9	1	0	0	2	14	9	0
8:30 AM	0	3	47	34	0	0	5	30	1	0	0	21	22	0	0	0	7	15	10	0
8:45 AM	0	0	30	18	0	0	4	26	2	0	0	25	29	1	0	0	7	26	19	0
9:00 AM	0	0	19	3	0	0	2	24	1	0	0	6	12	3	0	0	3	15	5	0
9:15 AM	0	0	17	5	0	0	2	23	2	0	0	6	11	0	0	0	1	11	6	0
9:30 AM	0	1	18	7	0	0	2	36	1	0	0	6	6	0	0	0	5	23	5	0
9:45 AM	0	0	17	7	0	0	2	25	1	0	0	5	4	0	0	0	2	6	8	0
10:00 AM	0	0	17	3	0	0	5	27	1	0	0	5	12	1	0	0	4	14	6	0
10:15 AM	0	3	8	4	0	0	2	18	1	0	0	8	14	0	0	0	4	26	2	0
10:30 AM	0	2	15	5	0	0	1	21	2	0	0	5	5	1	0	0	5	19	6	0
10:45 AM	0	0	4	6	0	0	3	16	1	0	0	12	9	2	0	0	4	14	4	0
11:00 AM	0	2	13	2	0	0	3	22	1	0	0	6	8	1	0	0	3	20	7	0
11:15 AM	0	2	9	2	0	0	2	21	1	0	0	6	10	2	0	0	3	27	11	0
11:30 AM	0	0	18	7	0	0	1	22	2	0	0	10	14	1	0	0	4	24	9	0
11:45 AM	0	2	14	1	0	0	1	23	1	0	0	9	13	1	0	0	1	17	11	0
12:00 PM	0	2	8	6	0	0	2	16	2	0	0	9	14	2	0	0	5	22	16	0
12:15 PM	0	1	11	2	0	0	2	25	0	0	0	6	14	4	0	0	6	27	7	0
12:30 PM	0	2	12	3	0	0	3	18	0	0	0	10	16	0	0	0	4	31	14	0
12:45 PM	0	1	12	2	0	0	1	12	1	0	0	4	9	2	0	0	4	26	9	0
1:00 PM	0	1	10	4	0	0	1	21	1	0	0	9	13	3	0	0	2	27	15	0
1:15 PM	0	1	9	5	0	0	2	25	2	0	0	10	11	1	0	0	9	26	6	0
1:30 PM	0	0	13	2	0	0	2	14	2	0	0	9	10	3	0	0	9	28	18	0
1:45 PM	0	0	17	3	0	0	2	22	0	0	0	4	15	0	0	0	6	36	9	0
2:00 PM	0	1	16	7	0	0	3	15	0	0	0	12	18	2	0	0	4	30	16	0
2:15 PM	0	0	12	10	0	0	4	20	1	0	0	4	17	1	0	0	4	28	12	0
2:30 PM	0	2	8	2	0	0	5	22	1	0	0	3	15	3	0	0	5	36	8	0
2:45 PM	0	3	16	5	0	0	2	19	0	0	0	7	16	2	0	0	6	38	9	0
3:00 PM	0	2	15	11	0	0	1	27	1	0	0	14	17	0	0	0	7	24	10	0
3:15 PM	0	1	16	6	0	0	3	24	3	0	0	15	16	2	0	1	10	37	13	0
3:30 PM	0	2	12	18	0	0	4	21	5	0	0	18	32	4	0	0	13	44	19	0
3:45 PM	0	3	18	11	0	0	4	20	5	0	0	18	29	5	0	0	11	46	27	0
4:00 PM	0	1	16	4	0	0	5	23	0	0	0	11	24	3	0	0	14	46	15	0
4:15 PM	0	1	13	10	0	0	2	18	1	0	0	12	29	2	0	0	8	43	13	0
4:30 PM	0	0	12	8	0	0	0	21	1	0	0	6	24	3	0	0	9	42	12	0
4:45 PM	0	1	14	2	0	0	1	27	2	0	0	10	40	2	0	0	2	34	14	0
5:00 PM	0	3	15	3	0	0	1	22	0	0	0	9	24	1	0	0	4	41	13	0
5:15 PM	0	3	7	11	0	0	2	20	5	0	0	12	22	1	0	0	7	43	8	0
5:30 PM	0	0	17	10	0	0	0	20	0	0	0	9	25	3	0	0	13	33	17	0
5:45 PM	0	1	17	3	0	0	3	24	2	0	0	10	21	2	0	0	7	34	8	0
6:00 PM	0	2	14	7	0	0	0	15	2	0	0	5	9	2	0	0	5	36	8	0
6:15 PM	0	3	15	3	0	0	1	29	5	0	0	4	7	2	0	0	2	23	10	0
6:30 PM	0	0	5	2	0	0	1	13	0	0	0	7	14	0	0	0	3	22	4	0
6:45 PM	0	2	4	2	0	0	0	9	1	0	0	3	8	1	0	0	3	21	4	0

Greenman-Pedersen, Inc.
80 Wolf Rd, Suite 600
Albany, NY 12205
(518) 453-9431

Intersection: Strickler Road at Greiner Road
Location: Town of Clarence, New York
GPI Project No.: 2300033.00
Count Date: 12/10/2024

Peak Hour Traffic Volumes

	Strickler Road Southbound					Greiner Road Westbound					Strickler Road Northbound					Greiner Road Eastbound				
	U Turns	Left Turns	Straight Through	Right Turns	Peds/ Bikes	U Turns	Left Turns	Straight Through	Right Turns	Peds/ Bikes	U Turns	Left Turns	Straight Through	Right Turns	Peds/ Bikes	U Turns	Left Turns	Straight Through	Right Turns	Peds/ Bikes
AM Peak Hour:			**8:00 AM**	**to**	**9:00 AM**															
8:00 AM	0	0	17	21	0	0	8	29	1	0	0	20	7	0	0	0	6	29	15	0
8:15 AM	0	2	33	16	0	0	6	42	0	0	0	27	9	1	0	0	2	14	9	0
8:30 AM	0	3	47	34	0	0	5	30	1	0	0	21	22	0	0	0	7	15	10	0
8:45 AM	0	0	30	18	0	0	4	26	2	0	0	25	29	1	0	0	7	26	19	0
Total Volume	0	5	127	89	0	0	23	127	4	0	0	93	67	2	0	0	22	84	53	0
696			221					154					162					159		
No. of Trucks	0	0	21	0	0	0	0	2	1	0	0	1	32	0	0	0	2	2	0	0
Truck %	0.0%	0.0%	16.5%	0.0%		0.0%	0.0%	1.6%	25.0%	0.0%	0.0%	1.1%	47.8%	0.0%	0.0%	0.0%	9.1%	2.4%	0.0%	0.0%
8.8%			9.5%					1.9%					20.4%					2.5%		
PHF	0.00	0.42	0.68	0.65		0.00	0.72	0.76	0.50	0.00	0.00	0.86	0.58	0.50	0.00	0.00	0.79	0.72	0.70	0.00
0.89			0.66					0.80					0.74					0.76		

	Strickler Road Southbound					Greiner Road Westbound					Strickler Road Northbound					Greiner Road Eastbound				
	U Turns	Left Turns	Straight Through	Right Turns	Peds/ Bikes	U Turns	Left Turns	Straight Through	Right Turns	Peds/ Bikes	U Turns	Left Turns	Straight Through	Right Turns	Peds/ Bikes	U Turns	Left Turns	Straight Through	Right Turns	Peds/ Bikes
PM Peak Hour:			**3:15 PM**	**to**	**4:15 PM**															
3:15 PM	0	1	16	6	0	0	3	24	3	0	0	15	16	2	0	1	10	37	13	0
3:30 PM	0	2	12	18	0	0	4	21	5	0	0	18	32	4	0	0	13	44	19	0
3:45 PM	0	3	18	11	0	0	4	20	5	0	0	18	29	5	0	0	11	46	27	0
4:00 PM	0	1	16	4	0	0	5	23	0	0	0	11	24	3	0	0	14	46	15	0
Total Volume	0	7	62	39	0	0	16	88	13	0	0	62	101	14	0	1	48	173	74	0
698			108					117					177					296		
No. of Trucks	0	2	11	6	0	0	0	1	2	0	0	1	8	0	0	0	6	0	0	0
Truck %	0.0%	28.6%	17.7%	15.4%		0.0%	0.0%	1.1%	15.4%	0.0%	0.0%	1.6%	7.9%	0.0%	0.0%	0.0%	12.5%	0.0%	0.0%	0.0%
5.3%			17.6%					2.6%					5.1%					2.0%		
PHF	0.00	0.58	0.86	0.54		0.00	0.80	0.92	0.65	0.00	0.00	0.86	0.79	0.70	0.00	0.25	0.86	0.94	0.69	0.00
0.89			0.84					0.98					0.82					0.88		

Greenman-Pedersen, Inc.
80 Wolf Rd, Suite 600
Albany, NY 12205
(518) 453-9431

Intersection: Kraus Road at Greiner Road
Location: Town of Clarence, New York

GPI Project No.: 2300033.00
Count Date: 12/10/2024

Total Traffic - Cars & Heavy Vehicles

Start Time	Kraus Road Southbound					Greiner Road Westbound					Kraus Road Northbound					Greiner Road Eastbound				
	U Turns	Left Turns	Straight Through	Right Turns	Peds/ Bikes	U Turns	Left Turns	Straight Through	Right Turns	Peds/ Bikes	U Turns	Left Turns	Straight Through	Right Turns	Peds/ Bikes	U Turns	Left Turns	Straight Through	Right Turns	Peds/ Bikes
7:00 AM	0	0	0	1	0	0	2	13	0	0	0	4	5	2	0	0	1	17	3	0
7:15 AM	0	1	3	2	0	0	4	36	1	0	0	1	2	3	0	0	0	22	4	0
7:30 AM	0	2	4	3	0	0	5	48	1	0	0	5	2	1	0	0	0	38	4	0
7:45 AM	0	6	4	1	0	0	13	108	10	0	0	10	1	10	0	0	0	83	3	0
8:00 AM	0	4	3	0	0	0	26	93	4	0	0	4	2	10	0	0	0	86	10	0
8:15 AM	0	0	5	3	0	0	14	66	1	0	0	3	2	11	0	0	1	50	5	0
8:30 AM	0	4	10	4	0	0	24	80	8	0	0	2	4	26	0	0	4	73	8	0
8:45 AM	0	1	9	3	0	0	18	103	3	0	0	9	5	13	0	0	3	73	7	0
9:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2:30 PM	0	1	3	3	0	0	0	28	0	0	0	2	4	2	0	0	6	53	12	0
2:45 PM	0	0	4	3	0	0	0	28	0	0	0	5	2	2	0	0	2	63	2	0
3:00 PM	0	3	7	4	0	0	5	49	0	0	0	4	2	4	0	0	4	51	7	0
3:15 PM	0	4	6	3	0	0	3	30	1	0	0	1	6	8	0	0	4	79	11	0
3:30 PM	0	0	5	2	0	0	11	91	17	0	0	7	9	25	0	0	2	97	9	0
3:45 PM	0	0	1	4	0	0	29	119	20	0	0	8	7	13	0	0	4	57	5	0
4:00 PM	0	0	3	5	0	0	8	59	2	0	0	2	7	4	0	0	4	67	15	0
4:15 PM	0	1	0	1	0	0	4	38	0	0	0	6	6	2	0	0	3	72	13	0
4:30 PM	0	0	4	1	0	0	3	46	2	0	0	8	7	2	0	0	2	56	6	0
4:45 PM	0	0	3	0	0	0	2	39	1	0	0	5	7	2	0	0	2	45	12	0
5:00 PM	0	1	1	4	0	0	3	38	1	0	0	8	6	1	0	0	7	61	4	0
5:15 PM	0	4	3	1	0	0	3	32	0	0	0	6	10	3	0	0	3	71	14	0
5:30 PM	0	4	1	1	0	0	12	61	8	0	0	4	5	6	0	0	3	73	5	0
5:45 PM	0	0	9	1	0	0	4	43	3	0	0	6	3	4	0	0	4	60	8	0
6:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Greenman-Pedersen, Inc.
80 Wolf Rd, Suite 600
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(518) 453-9431

Intersection: Kraus Road at Greiner Road
Location: Town of Clarence, New York

GPI Project No.: 2300033.00
Count Date: 12/10/2024

Peak Hour Traffic Volumes

	Kraus Road Southbound					Greiner Road Westbound					Kraus Road Northbound					Greiner Road Eastbound				
	U Turns	Left Turns	Straight Through	Right Turns	Peds/ Bikes	U Turns	Left Turns	Straight Through	Right Turns	Peds/ Bikes	U Turns	Left Turns	Straight Through	Right Turns	Peds/ Bikes	U Turns	Left Turns	Straight Through	Right Turns	Peds/ Bikes
AM Peak Hour:			**8:00 AM**	**to**	**9:00 AM**															
8:00 AM	0	4	3	0	0	0	26	93	4	0	0	4	2	10	0	0	0	86	10	0
8:15 AM	0	0	5	3	0	0	14	66	1	0	0	3	2	11	0	0	1	50	5	0
8:30 AM	0	4	10	4	0	0	24	80	8	0	0	2	4	26	0	0	4	73	8	0
8:45 AM	0	1	9	3	0	0	18	103	3	0	0	9	5	13	0	0	3	73	7	0
Total Volume	0	9	27	10	0	0	82	342	16	0	0	18	13	60	0	0	8	282	30	0
897			46					440					91					320		
No. of Trucks	0	0	2	0	0	0	0	3	0	0	0	0	0	0	0	0	0	4	2	0
Truck %	0.0%	0.0%	7.4%	0.0%		0.0%	0.0%	0.9%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.4%	6.7%	0.0%
1.2%			4.3%					0.7%					0.0%					1.9%		
PHF	0.00	0.56	0.68	0.63		0.00	0.79	0.83	0.50	0.00	0.00	0.50	0.65	0.58	0.00	0.00	0.50	0.82	0.75	0.00
0.91			0.64					0.89					0.71					0.83		

	Kraus Road Southbound					Greiner Road Westbound					Kraus Road Northbound					Greiner Road Eastbound				
	U Turns	Left Turns	Straight Through	Right Turns	Peds/ Bikes	U Turns	Left Turns	Straight Through	Right Turns	Peds/ Bikes	U Turns	Left Turns	Straight Through	Right Turns	Peds/ Bikes	U Turns	Left Turns	Straight Through	Right Turns	Peds/ Bikes
PM Peak Hour:			**3:15 PM**	**to**	**4:15 PM**															
3:15 PM	0	4	6	3	0	0	3	30	1	0	0	1	6	8	0	0	4	79	11	0
3:30 PM	0	0	5	2	0	0	11	91	17	0	0	7	9	25	0	0	2	97	9	0
3:45 PM	0	0	1	4	0	0	29	119	20	0	0	8	7	13	0	0	4	57	5	0
4:00 PM	0	0	3	5	0	0	8	59	2	0	0	2	7	4	0	0	4	67	15	0
Total Volume	0	4	15	14	0	0	51	299	40	0	0	18	29	50	0	0	14	300	40	0
874			33					390					97					354		
No. of Trucks	0	0	1	0	0	0	0	7	1	0	0	0	2	1	0	0	0	5	1	0
Truck %	0.0%	0.0%	6.7%	0.0%		0.0%	0.0%	2.3%	2.5%	0.0%	0.0%	0.0%	6.9%	2.0%	0.0%	0.0%	0.0%	1.7%	2.5%	0.0%
2.1%			3.0%					2.1%					3.1%					1.7%		
PHF	0.00	0.25	0.63	0.70		0.00	0.44	0.63	0.50	0.00	0.00	0.56	0.81	0.50	0.00	0.00	0.88	0.77	0.67	0.00
0.79			0.63					0.58					0.59					0.82		

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Total Traffic - Cars & Heavy Vehicles

Start Time	Strickler Road Southbound					0 Westbound					Strickler Road Northbound					Winding Lane Eastbound				
	U Turns	Left Turns	Straight Through	Right Turns	Peds/ Bikes	U Turns	Left Turns	Straight Through	Right Turns	Peds/ Bikes	U Turns	Left Turns	Straight Through	Right Turns	Peds/ Bikes	U Turns	Left Turns	Straight Through	Right Turns	Peds/ Bikes
7:00 AM	0	0	24	1	0	0	0	0	0	0	0	0	6	0	0	0	1	0	0	0
7:15 AM	0	0	26	1	0	0	0	0	0	0	0	0	13	0	0	0	2	0	0	0
7:30 AM	0	0	35	1	0	0	0	0	0	0	0	0	19	0	0	0	4	0	2	0
7:45 AM	0	0	37	2	0	0	0	0	0	0	0	0	32	0	0	0	5	0	0	0
8:00 AM	0	0	38	2	0	0	0	0	0	0	0	0	25	0	0	0	3	0	0	0
8:15 AM	0	0	44	3	0	0	0	0	0	0	0	1	36	0	0	0	1	0	0	0
8:30 AM	0	0	62	0	0	0	0	0	0	0	0	0	44	0	0	0	3	0	2	0
8:45 AM	0	0	52	2	0	0	0	0	0	0	0	0	50	0	0	0	1	0	0	0
9:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2:30 PM	0	0	18	3	0	0	0	0	0	0	0	0	20	0	0	0	2	0	0	0
2:45 PM	0	0	23	4	0	0	0	0	0	0	0	1	26	0	0	0	0	0	0	0
3:00 PM	0	0	30	0	0	0	0	0	0	0	0	0	30	0	0	0	1	0	2	0
3:15 PM	0	0	33	0	0	0	0	0	0	0	0	2	31	0	0	0	2	0	0	0
3:30 PM	0	0	34	0	0	0	0	0	0	0	0	2	59	0	0	0	1	0	1	0
3:45 PM	0	0	47	3	0	0	0	0	0	0	0	0	45	0	0	0	2	0	0	0
4:00 PM	0	0	33	5	0	0	0	0	0	0	0	0	47	0	0	0	1	0	2	0
4:15 PM	0	0	24	2	0	0	0	0	0	0	0	0	41	0	0	0	0	0	0	0
4:30 PM	0	0	23	4	0	0	0	0	0	0	0	0	30	0	0	0	1	0	0	0
4:45 PM	0	0	30	0	0	0	0	0	0	0	0	1	48	0	0	0	3	0	1	0
5:00 PM	0	0	27	3	0	0	0	0	0	0	0	0	36	0	0	0	0	0	0	0
5:15 PM	0	0	16	1	0	0	0	0	0	0	0	1	31	0	0	0	2	0	1	0
5:30 PM	0	0	29	3	0	0	0	0	0	0	0	0	35	0	0	0	1	0	0	0
5:45 PM	0	0	26	2	0	0	0	0	0	0	0	0	28	0	0	0	3	0	2	0
6:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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Peak Hour Traffic Volumes

	Strickler Road Southbound					0 Westbound					Strickler Road Northbound					Winding Lane Eastbound				
	U Turns	Left Turns	Straight Through	Right Turns	Peds/ Bikes	U Turns	Left Turns	Straight Through	Right Turns	Peds/ Bikes	U Turns	Left Turns	Straight Through	Right Turns	Peds/ Bikes	U Turns	Left Turns	Straight Through	Right Turns	Peds/ Bikes
AM Peak Hour:			**8:00 AM**	**to**	**9:00 AM**															
8:00 AM	0	0	38	2	0	0	0	0	0	0	0	0	25	0	0	0	3	0	0	0
8:15 AM	0	0	44	3	0	0	0	0	0	0	0	1	36	0	0	0	1	0	0	0
8:30 AM	0	0	62	0	0	0	0	0	0	0	0	0	44	0	0	0	3	0	2	0
8:45 AM	0	0	52	2	0	0	0	0	0	0	0	0	50	0	0	0	1	0	0	0
Total Volume	0	0	196	7	0	0	0	0	0	0	0	1	155	0	0	0	8	0	2	0
369			203					0					156					10		
No. of Trucks	0	0	21	0	0	0	0	0	0	0	0	1	34	0	0	0	0	0	0	0
Truck %	0.0%		10.7%	0.0%		0.0%			0.0%	0.0%	0.0%	100.0%	21.9%		0.0%	0.0%	0.0%		0.0%	0.0%
15.2%			10.3%					0.0%					22.4%					0.0%		
PHF	0.00		0.79	0.58		0.00			0.00	0.00	0.00	0.25	0.78		0.00	0.00	0.67		0.25	0.00
0.83			0.82					#DIV/0!					0.78					0.50		

	Strickler Road Southbound					0 Westbound					Strickler Road Northbound					Winding Lane Eastbound				
	U Turns	Left Turns	Straight Through	Right Turns	Peds/ Bikes	U Turns	Left Turns	Straight Through	Right Turns	Peds/ Bikes	U Turns	Left Turns	Straight Through	Right Turns	Peds/ Bikes	U Turns	Left Turns	Straight Through	Right Turns	Peds/ Bikes
PM Peak Hour:			**3:15 PM**	**to**	**4:15 PM**															
3:15 PM	0	0	33	0	0	0	0	0	0	0	0	2	31	0	0	0	2	0	0	0
3:30 PM	0	0	34	0	0	0	0	0	0	0	0	2	59	0	0	0	1	0	1	0
3:45 PM	0	0	47	3	0	0	0	0	0	0	0	0	45	0	0	0	2	0	0	0
4:00 PM	0	0	33	5	0	0	0	0	0	0	0	0	47	0	0	0	1	0	2	0
Total Volume	0	0	147	8	0	0	0	0	0	0	0	4	182	0	0	0	6	0	3	0
350			155					0					186					9		
No. of Trucks	0	0	10	1	0	0	0	0	0	0	0	0	9	0	0	0	1	0	0	0
Truck %	0.0%		6.8%	12.5%		0.0%				0.0%	0.0%	0.0%	4.9%		0.0%	0.0%	16.7%		0.0%	0.0%
6.0%			7.1%					0.0%					4.8%					11.1%		
PHF	0.00		0.78	0.40		0.00				0.00	0.00	0.50	0.77		0.00	0.00	0.75		0.38	0.00
0.90			0.78					#DIV/0!					0.76					0.75		

Greenman-Pedersen, Inc.
80 Wolf Rd, Suite 600
Albany, NY 12205
(518) 453-9431

Intersection: Main Street (NY-5) at Strickler Road
Location: Town of Clarence, New York
GPI Project No.: 2300033.00
Count Date: 12/10/2024

Total Traffic - Cars & Heavy Vehicles

Start Time	Strickler Road Southbound					Main Street (NY-5) Westbound					Shisler Road Northbound					Main Street (NY-5) Eastbound				
	U Turns	Left Turns	Straight Through	Right Turns	Peds/ Bikes	U Turns	Left Turns	Straight Through	Right Turns	Peds/ Bikes	U Turns	Left Turns	Straight Through	Right Turns	Peds/ Bikes	U Turns	Left Turns	Straight Through	Right Turns	Peds/ Bikes
7:00 AM	0	2	12	6	0	0	15	106	1	0	0	10	5	6	0	0	2	32	5	0
7:15 AM	0	2	14	5	0	0	26	103	3	0	0	13	7	4	0	0	4	43	5	0
7:30 AM	0	6	20	10	0	0	18	131	4	0	0	7	14	3	0	0	3	41	10	0
7:45 AM	0	8	19	10	0	0	30	124	8	0	0	17	10	7	0	0	10	57	6	0
8:00 AM	0	3	24	11	0	0	21	106	4	0	0	11	10	9	0	0	10	55	9	0
8:15 AM	0	2	20	14	0	0	9	113	7	0	0	6	21	9	0	0	10	39	7	0
8:30 AM	0	5	22	40	0	0	13	132	5	0	0	6	21	10	0	0	23	65	8	0
8:45 AM	0	12	24	21	0	0	16	105	3	0	0	18	15	10	0	0	34	65	13	0
9:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2:30 PM	0	4	8	11	0	0	10	84	1	0	0	18	13	21	0	0	9	113	14	0
2:45 PM	0	8	5	13	0	0	15	76	4	0	0	11	14	12	0	0	9	106	12	0
3:00 PM	0	9	19	10	0	0	11	99	6	0	0	14	17	25	1	0	7	102	18	0
3:15 PM	0	11	7	14	0	0	16	104	3	0	0	12	20	15	0	0	13	108	9	0
3:30 PM	0	8	20	12	0	0	16	111	5	0	0	22	28	28	0	0	24	139	11	0
3:45 PM	0	13	17	10	0	0	11	102	9	0	0	9	21	19	1	0	14	129	21	1
4:00 PM	0	7	17	12	0	0	10	81	9	0	0	16	25	17	0	0	10	127	16	0
4:15 PM	0	6	13	5	0	0	9	103	9	0	0	14	24	12	0	0	7	113	10	0
4:30 PM	0	8	11	4	0	0	9	85	5	0	0	10	16	16	0	0	9	128	14	0
4:45 PM	0	11	13	7	0	0	10	112	10	0	0	6	28	26	0	0	11	127	10	0
5:00 PM	0	6	14	5	0	0	18	95	4	0	0	13	20	19	0	0	14	123	11	0
5:15 PM	0	5	8	6	0	0	8	79	5	0	0	9	15	27	0	0	11	121	7	0
5:30 PM	0	5	11	10	0	0	8	79	8	0	0	6	16	10	0	0	15	127	8	0
5:45 PM	0	9	14	10	0	0	11	86	5	0	0	8	14	20	0	0	12	113	14	0
6:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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Intersection: Main Street (NY-5) at Strickler Road
Location: Town of Clarence, New York
GPI Project No.: 2300033.00
Count Date: 12/10/2024

Peak Hour Traffic Volumes

	Strickler Road Southbound					Main Street (NY-5) Westbound					Shisler Road Northbound					Main Street (NY-5) Eastbound				
	U Turns	Left Turns	Straight Through	Right Turns	Peds/ Bikes	U Turns	Left Turns	Straight Through	Right Turns	Peds/ Bikes	U Turns	Left Turns	Straight Through	Right Turns	Peds/ Bikes	U Turns	Left Turns	Straight Through	Right Turns	Peds/ Bikes
AM Peak Hour:			**8:00 AM**	**to**	**9:00 AM**															
8:00 AM	0	3	24	11	0	0	21	106	4	0	0	11	10	9	0	0	10	55	9	0
8:15 AM	0	2	20	14	0	0	9	113	7	0	0	6	21	9	0	0	10	39	7	0
8:30 AM	0	5	22	40	0	0	13	132	5	0	0	6	21	10	0	0	23	65	8	0
8:45 AM	0	12	24	21	0	0	16	105	3	0	0	18	15	10	0	0	34	65	13	0
Total Volume	0	22	90	86	0	0	59	456	19	0	0	41	67	38	0	0	77	224	37	0
1,216			198					534					146					338		
No. of Trucks	0	0	6	13	0	0	2	16	2	0	0	2	0	6	0	0	32	16	3	0
Truck %	0.0%	0.0%	6.7%	15.1%		0.0%	3.4%	3.5%	10.5%	0.0%	0.0%	4.9%	0.0%	15.8%	0.0%	0.0%	41.6%	7.1%	8.1%	0.0%
8.1%			9.6%					3.7%					5.5%					15.1%		
PHF	0.00	0.46	0.94	0.54		0.00	0.70	0.86	0.68	0.00	0.00	0.57	0.80	0.95	0.00	0.00	0.57	0.86	0.71	0.00
0.87			0.74					0.89					0.85					0.75		

	Strickler Road Southbound					Main Street (NY-5) Westbound					Shisler Road Northbound					Main Street (NY-5) Eastbound				
	U Turns	Left Turns	Straight Through	Right Turns	Peds/ Bikes	U Turns	Left Turns	Straight Through	Right Turns	Peds/ Bikes	U Turns	Left Turns	Straight Through	Right Turns	Peds/ Bikes	U Turns	Left Turns	Straight Through	Right Turns	Peds/ Bikes
PM Peak Hour:			**3:15 PM**	**to**	**4:15 PM**															
3:15 PM	0	11	7	14	0	0	16	104	3	0	0	12	20	15	0	0	13	108	9	0
3:30 PM	0	8	20	12	0	0	16	111	5	0	0	22	28	28	0	0	24	139	11	0
3:45 PM	0	13	17	10	0	0	11	102	9	0	0	9	21	19	1	0	14	129	21	1
4:00 PM	0	7	17	12	0	0	10	81	9	0	0	16	25	17	0	0	10	127	16	0
Total Volume	0	39	61	48	0	0	53	398	26	0	0	59	94	79	1	0	61	503	57	1
1,480			148					477					233					622		
No. of Trucks	0	2	3	2	0	0	0	9	2	0	0	0	3	0	1	0	4	6	3	1
Truck %	0.0%	5.1%	4.9%	4.2%		0.0%	0.0%	2.3%	7.7%	0.0%	0.0%	0.0%	3.2%	0.0%	100.0%	0.0%	6.6%	1.2%	5.3%	100.0%
2.3%			4.7%					2.3%					1.3%					2.1%		
PHF	0.00	0.75	0.76	0.86		0.00	0.83	0.90	0.72	0.00	0.00	0.67	0.84	0.71	0.25	0.00	0.64	0.90	0.68	0.25
0.87			0.93					0.90					0.75					0.89		

Strickler and Greiner - Speed Study

Northbound	
Date:	12/10/2024
Time:	1:30 PM
Trial	Speed*
1	51
2	45
3	43
4	44
5	43
6	54
7	42
8	46
9	44
10	44
11	42
12	47
13	52
14	46
15	40
16	33
17	48
18	50
19	42
20	51
21	38
22	43
23	49
24	37
25	46
26	44
27	47
28	39
29	48
30	44
Avg.	**44.7**

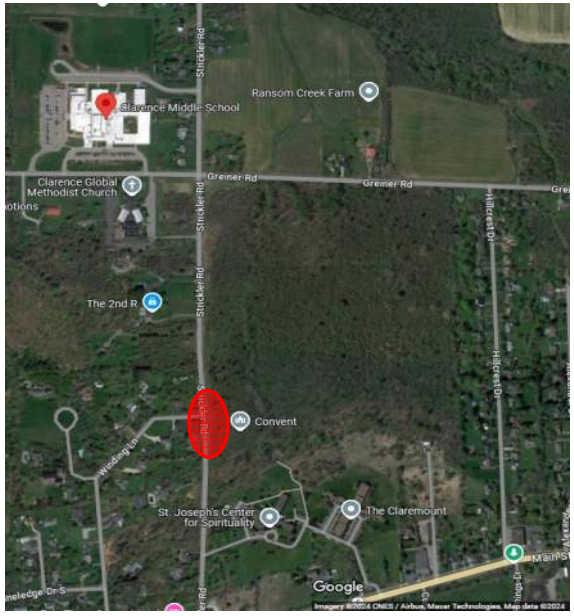
Southbound	
Date:	12/10/2024
Time:	1:30 PM
Trial	Speed*
1	41
2	42
3	47
4	58
5	44
6	42
7	44
8	47
9	48
10	41
11	35
12	41
13	36
14	33
15	39
16	46
17	47
18	48
19	50
20	43
21	36
22	38
23	37
24	35
25	44
26	41
27	33
28	43
29	35
30	43
Avg.	**41.9**

Strickler Road
Clarence, New York

Posted Speed Limit: 45 MPH

85th Percentile Speeds		
NB		**SB**
49.7		**47.0**

Location Map



* - Denotes speed measured at proposed access location with vehicles traveling under free flow conditions, in MPH

Strickler and Greiner - Speed Study

Eastbound	
Date:	12/11/2024
Time:	11:00 AM
Trial	Speed*
1	41
2	40
3	43
4	48
5	50
6	48
7	45
8	43
9	38
10	41
11	38
12	46
13	37
14	41
15	40
16	47
17	44
18	44
19	45
20	40
21	49
22	43
23	42
24	40
25	47
26	44
27	37
28	48
29	43
30	41
Avg.	**43.1**

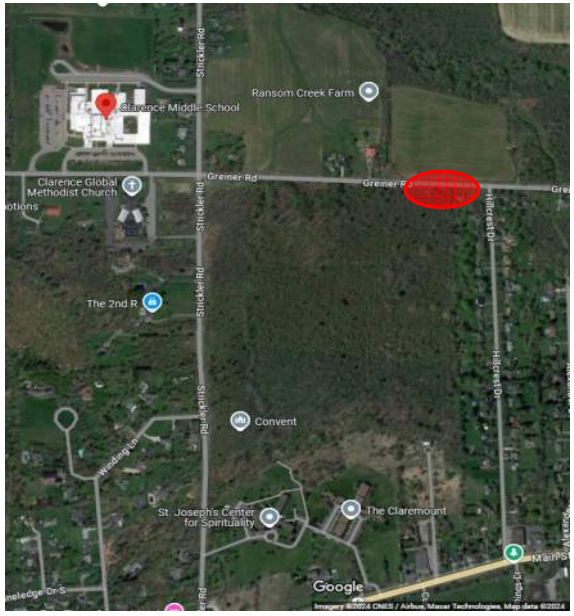
Westbound	
Date:	12/11/2024
Time:	11:00 AM
Trial	Speed*
1	45
2	38
3	53
4	39
5	46
6	43
7	39
8	36
9	39
10	42
11	50
12	45
13	49
14	43
15	38
16	48
17	39
18	39
19	51
20	44
21	33
22	44
23	38
24	52
25	49
26	39
27	50
28	35
29	41
30	48
Avg.	**43.2**

Greiner Road
Clarence, New York

Posted Speed Limit: 40 MPH

85th Percentile Speeds		
EB		**WB**
47.7		**49.7**

Location Map



* - Denotes speed measured at proposed access location with vehicles traveling under free flow conditions, in MPH

APPENDIX C

Crash History Data

COUNTY: ERIE P.I.N.:

TOWN OF CLARENCE, NY

ROUTE NO. OR STREET NAME: STRICKLER RD. AND GREINER RD.

AT INTERSECTION WITH/OR BETWEEN: WINDING LN. TO GREINER RD. AND STRICKLER RD. TO HILLCREST DR.

GPI
Engineering | Design | Planning | Construction Management

TIME PERIOD: FROM: 03/31/2021 TO: 03/31/2024

No. OF MONTHS: 36

ENVIRONMENTAL: Use Codes from MV 104 (shown at right) for these categories

Light Conditions:
1. Daylight
2. Dawn
3. Dusk
4. Dark Road Lighted
5. Dark Road Unlighted

Roadway Character:
1. Straight & Level
2. Straight & Grade
3. Straight & Hillcrest
4. Curve & Level
5. Curve & Grade
6. Curve & Hillcrest

Roadway Surface Condition:
1. Dry
2. Wet
3. Muddy
4. Snow/Ice
5. Slush
10. Other

Weather:
1. Clear
2. Cloudy
3. Rain
4. Snow
5. Sleet/Hail/Freezing Rain
6. Fog/Smog/Smoke
10. Other

[1]Use Codes from MV 104 Police Report

ACCIDENT No.	DATE	TIME	No. of VEHICLES	SEVERITY	LIGHT CONDITIONS	ROADWAY CHARACTER	ROADWAY SURFACE CONDITION	WEATHER	APPARENT CONTRIBUTING FACTORS	DIRECTION	TYPE[1]	DESCRIPTION	CASE NO.
1	08/17/21	19:54	2	PDO	1	1	1	1	FAILURE TO YEILD RIGHT OF WAY	SOUTH-EAST	1	RIGHT ANGLE	38978434
2	12/06/21	8:44	2	PDO	-	-	-	-	-	NORTH	1	REAR END	39186033
3	05/04/23	11:06	2	PI	1	1	2	3	FAILURE TO YEILD RIGHT OF WAY	SOUTH-EAST	1	RIGHT ANGLE	39815680
4	07/06/23	22:40	2	PDO	4	1	1	2	FAILURE TO YEILD RIGHT OF WAY	SOUTH-EAST	1	RIGHT ANGLE	39931893
5	09/21/23	7:40	2	PI	1	1	1	1	FAILURE TO YEILD RIGHT OF WAY	SOUTH-EAST	1	RIGHT ANGLE	40000584
6	09/25/23	9:34	2	PDO	1	1	1	2	FAILURE TO YEILD RIGHT OF WAY	SOUTH-EAST	1	RIGHT ANGLE	40002201
7	10/23/21	18:00	1	PDO	3	1	1	2	ANIMAL	EAST	7	ANIMAL	39076081
8	01/09/23	17:35	1	PDO	5	1	1	2	ANIMAL	EAST	7	ANIMAL	39672343
9	07/22/23	22:00	1	PDO	5	1	1	1	ANIMAL	EAST	7	ANIMAL	39916431
					-	-	-	-					
					-	-	-	-					

Crashes at Greiner Rd and Strickler Rd Intersection

Crashes along Greiner Rd between Strickler Rd and Hillcrest Dr

No Crashes occured along Stricklet Rd between Winding Ln and Greiner Rd during the study period.

Page of Pages

Local Codes

New York State Department of Motor Vehicles

POLICE ACCIDENT REPORT

MV-104A (6/04)

☐ **AMENDED REPORT** **DMV COPY**

19

1

Accident Date Month	Day	Year	Day of Week	Military Time	No. of Vehicles	No. Injured	No. Killed	Not Investigated at Scene ☐ / Accident Reconstructed ☐	Left Scene ☐	Police Photos ☐Yes ☐No

20

VEHICLE 1	☐ VEHICLE 2 ☐ BICYCLIST ☐ PEDESTRIAN ☐ OTHER PEDESTRIAN
2 VEHICLE 1 - Driver License ID Number / State of Lic.	VEHICLE 2 - Driver License ID Number / State of Lic.
Driver Name -exactly as printed on license	Driver Name - exactly as printed on license
Address (*Include Number & Street*) / Apt. No.	Address (*Include Number & Street*) / Apt. No.
City or Town / State / Zip Code	City or Town / State / Zip Code
3 Date of Birth Month Day Year / Sex / Unlicensed ☐ / No. of Occupants / Public Property Damaged ☐	Date of Birth Month Day Year / Sex / Unlicensed ☐ / No. of Occupants / Public Property Damaged ☐
Name–exactly as printed on registration / Sex / Date of Birth Month Day Year	Name–exactly as printed on registration / Sex / Date of Birth Month Day Year
4 Address (*Include Number & Street*) / Apt. No. / Haz. Mat Code / Released ☐	Address (*Include Number & Street*) / Apt. No. / Haz. Mat. Code / Released ☐
City or Town / State / Zip Code	City or Town / State / Zip Code

21

22

23

24

Plate Number	State of Reg.	Vehicle Year & Make	Vehicle Type	Ins. Code

Plate Number	State of Reg.	Vehicle Year & Make	Vehicle Type	Ins. Code

5

Ticket/Arrest Number(s)	Ticket/Arrest Number(s)
Violation Section(s)	Violation Section(s)

25

6

VEHICLE 1

Check if involved vehicle is:
☐ more than 95 inches wide;
☐ more than 34 feet long;
☐ operated with an overweight permit;
☐ operated with an overdimension permit.

VEHICLE 1 DAMAGE CODES

Box 1 - Point of Impact Box 2 - Most Damage	1	2
Enter up to three more Damage Codes	3	4	5

Vehicle Towed: By / To

VEHICLE 2

Check if involved vehicle is:
☐ more than 95 inches wide;
☐ more than 34 feet long;
☐ operated with an overweight permit;
☐ operated with an overdimension permit.

VEHICLE 2 DAMAGE CODES

Box 1 - Point of Impact Box 2 - Most Damage	1	2
Enter up to three more Damage Codes	3	4	5

Vehicle Towed: By / To

Circle the diagram below that describes the accident, or draw your own diagram in space #9. Number the vehicles.

Rear End 1.	Left Turn 3.	Right Angle	Right Turn 5.	Head On 7.
Sideswipe (same direction) 2.	Left Turn 0.	4.	Right Turn 6.	Sideswipe (opposite direction) 8.

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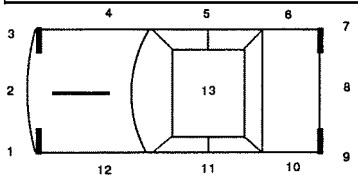
7

VEHICLE DAMAGE CODING:

1-13. SEE DIAGRAM ON RIGHT.

14. UNDERCARRIAGE
15. TRAILER
16. OVERTURNED
17. DEMOLISHED
18. NO DAMAGE
19. OTHER



ACCIDENT DIAGRAM

9.

27

28

Cost of repairs to any one vehicle will be more than $1000.
☐ Unknown/Unable to Determine ☐ Yes ☐ No

Reference Marker	Coordinates *(if available)*
	Latitude/Northing: _____
	Longitude/Easting: _____

Place Where Accident Occurred:

County _____ ☐ City ☐ Village ☐ Town of _____.

Road on which accident occurred _____
(Route Number or Street Name)

at 1) intersecting street _____
(Route Number or Street Name)

or 2) _____ Feet _____ Miles ☐N ☐S ☐E ☐W of _____
(Milepost, Nearest intersecting Route Number or Street Name)

29

Accident Description/Officer's Notes

30

USE COVER SHEET **N**

ALL INVOLVED

	8	9	10	11	12	13	14	15	16	17 BY	TO 18	Names of all involved	Date of Death Only
A													
B													
C													
D													
E													
F													

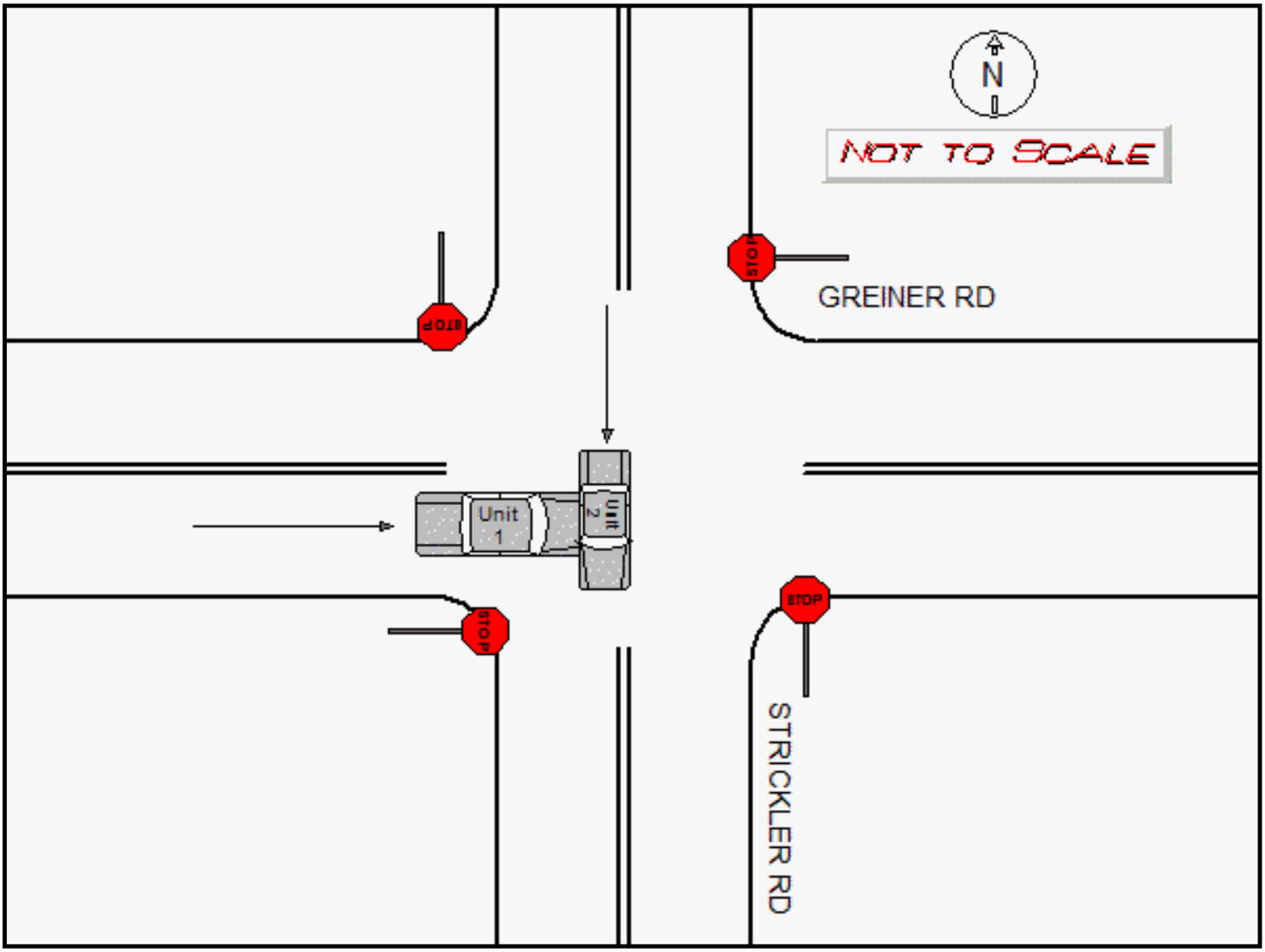
Officer's Rank and Signature / Print Name in Full	Badge/ID No.	NCIC No.	Precinct/Post Troop/Zone	Station/Beat/ Sector	Reviewing Officer	Date/Time Reviewed

New York State Department of Motor Vehicles

POLICE ACCIDENT REPORT

Accident Diagram

ACCIDENT DIAGRAM



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Local Codes

New York State Department of Motor Vehicles

POLICE ACCIDENT REPORT

MV-104A (6/04)

☐ **AMENDED REPORT** **DMV COPY**

19

1

Accident Date Month	Day	Year	Day of Week	Military Time	No. of Vehicles	No. Injured	No. Killed	Not Investigated at Scene ☐ / Accident Reconstructed ☐	Left Scene ☐	Police Photos ☐Yes ☐No

20

VEHICLE 1	☐ VEHICLE 2 ☐ BICYCLIST ☐ PEDESTRIAN ☐ OTHER PEDESTRIAN
2 VEHICLE 1 - Driver License ID Number / State of Lic.	VEHICLE 2 - Driver License ID Number / State of Lic.
Driver Name -exactly as printed on license	Driver Name - exactly as printed on license
Address (*Include Number & Street*) / Apt. No.	Address (*Include Number & Street*) / Apt. No.
City or Town / State / Zip Code	City or Town / State / Zip Code
3 Date of Birth Month Day Year / Sex / Unlicensed ☐ / No. of Occupants / Public Property Damaged ☐	Date of Birth Month Day Year / Sex / Unlicensed ☐ / No. of Occupants / Public Property Damaged ☐
Name–exactly as printed on registration / Sex / Date of Birth Month Day Year	Name–exactly as printed on registration / Sex / Date of Birth Month Day Year
4 Address (*Include Number & Street*) / Apt. No. / Haz. Mat Code / Released ☐	Address (*Include Number & Street*) / Apt. No. / Haz. Mat. Code / Released ☐
City or Town / State / Zip Code	City or Town / State / Zip Code

21

22

23

24

Plate Number	State of Reg.	Vehicle Year & Make	Vehicle Type	Ins. Code

Plate Number	State of Reg.	Vehicle Year & Make	Vehicle Type	Ins. Code

5

Ticket/Arrest Number(s)	Ticket/Arrest Number(s)
Violation Section(s)	Violation Section(s)

25

6

VEHICLE 1

Check if involved vehicle is:
☐ more than 95 inches wide;
☐ more than 34 feet long;
☐ operated with an overweight permit;
☐ operated with an overdimension permit.

VEHICLE 1 DAMAGE CODES

Box 1 - Point of Impact Box 2 - Most Damage	1	2
Enter up to three more Damage Codes	3	4	5

Vehicle Towed: By / To

VEHICLE 2

Check if involved vehicle is:
☐ more than 95 inches wide;
☐ more than 34 feet long;
☐ operated with an overweight permit;
☐ operated with an overdimension permit.

VEHICLE 2 DAMAGE CODES

Box 1 - Point of Impact Box 2 - Most Damage	1	2
Enter up to three more Damage Codes	3	4	5

Vehicle Towed: By / To

Circle the diagram below that describes the accident, or draw your own diagram in space #9. Number the vehicles.

Rear End 1.	Left Turn 3.	Right Angle	Right Turn 5.	Head On 7.
Sideswipe (same direction) 2.	Left Turn 0.	4.	Right Turn 6.	Sideswipe (opposite direction) 8.

26

7

VEHICLE DAMAGE CODING:

1-13. SEE DIAGRAM ON RIGHT.

14. UNDERCARRIAGE
15. TRAILER
16. OVERTURNED
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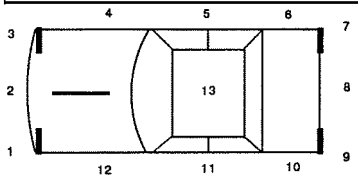

ACCIDENT DIAGRAM

9.

27

28

Cost of repairs to any one vehicle will be more than $1000.
☐ Unknown/Unable to Determine ☐ Yes ☐ No

Reference Marker	Coordinates *(if available)*
	Latitude/Northing: _____
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Place Where Accident Occurred:

County _____ ☐ City ☐ Village ☐ Town of _____.

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USE COVER SHEET **N**

ALL INVOLVED

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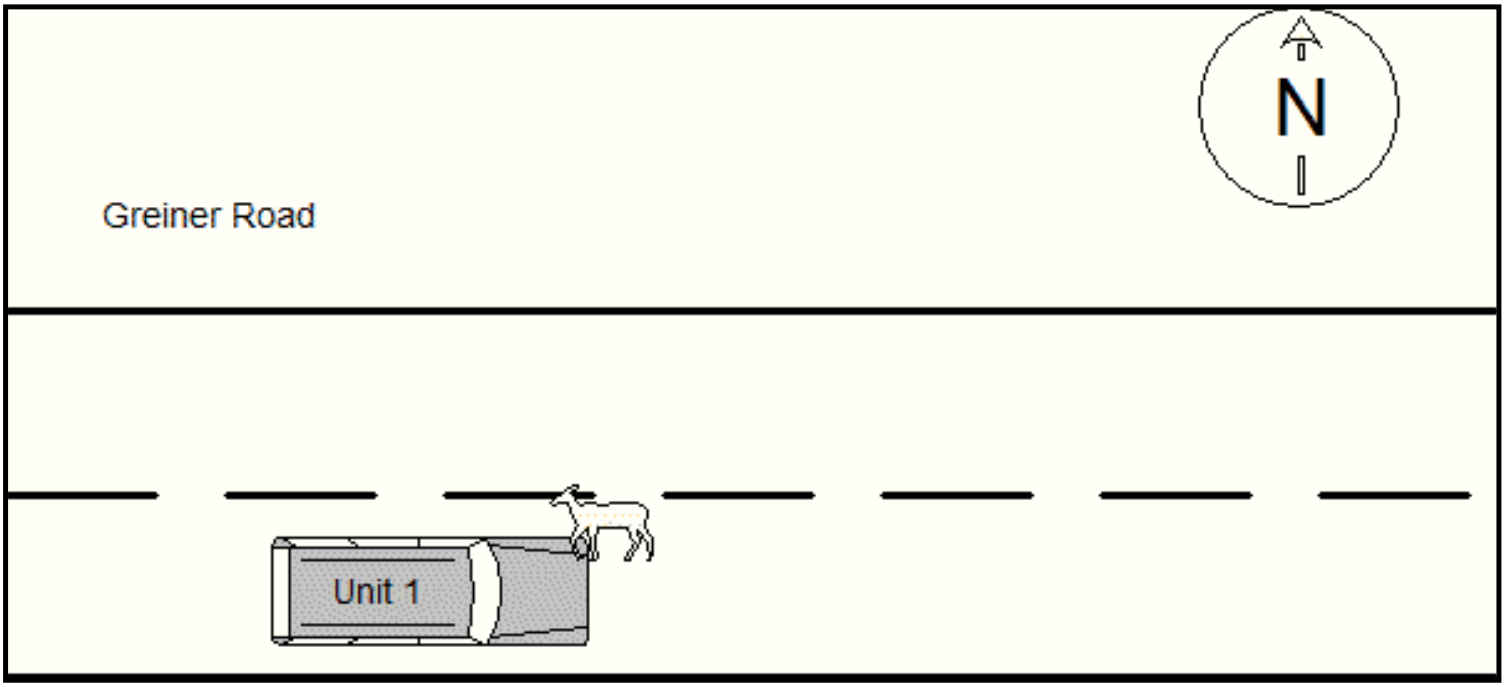
Officer's Rank and Signature / Print Name in Full	Badge/ID No.	NCIC No.	Precinct/Post Troop/Zone	Station/Beat/ Sector	Reviewing Officer	Date/Time Reviewed

New York State Department of Motor Vehicles

POLICE ACCIDENT REPORT

Accident Diagram

ACCIDENT DIAGRAM



MV-104 (5/11) PAGE 1 of 2

FOLD → ← HERE

Use only for accidents that happen in New York State

New York State Department of Motor Vehicles

REPORT OF MOTOR VEHICLE ACCIDENT

www.dmv.ny.gov

BEFORE COMPLETING THIS FORM, READ THE INSTRUCTIONS IN SECTION A ON PAGE 2

DO NOT FORGET ACCIDENT DATE

Page _____ of _____ ☐ *RUSH* - DRIVER OF VEHICLE 1 - LICENSE SUSPENDED FOR FAILURE TO REPORT

Accident Date Month	Day	Year	Day of Week	Time	AM/PM	Number of Vehicles	Number Injured	Number Killed	Did police investigate accident at scene?	If "Yes", Name of Police Agency or Precinct & Accident Number
12	6	2021	Mon	8:44	☒ AM ☐ PM	2	0	0	☒ Yes ☐ No	Erie Co. Sheriff

DRIVER

DRIVER OF VEHICLE 1				VEHICLE 2 ☐ PEDESTRIAN ☐ BICYCLIST ☐ OTHER PEDESTRIAN			
Driver License ID Number		State of License		Driver License ID Number		State of License	
249650011		NY		57401477		NY	
Driver Name–exactly as printed on license (Last, First, M.I.)				Name–exactly as printed on license (Last, First, M.I.)			
LAVOCAT, DEREK, T				ROPACH LORI J			
Address (Include Number & Street)		Apt. Number		Address (Include Number & Street)		Apt. Number	
8150 SALT ROAD				6815 STRICKLER RD			
City or Town	State	Zip Code		City or Town	State	Zip Code	
CLARENCE CTR	NY	14032		CLARENCE CTR	NY	14032	
Date of Birth Month / Day / Year	Sex	Number of People in Vehicle	Public Property Damaged	Date of Birth Month / Day / Year	Sex	Number of People in Vehicle	Public Property Damaged
04 / 05 / 2004	M	2	☒	02 / 13 / 1972	F	2	☐

REGISTRANT

Name–exactly as printed on registration	Date of Birth Month / Day / Year	Sex	Name–exactly as printed on registration	Date of Birth Month / Day / Year	Sex
TIMOTHY M LAVOCAT	09 / 01 / 1973	M	BRIAN D ROPACH		M
Address (Include Number & Street)	Apt. Number		Address (Include Number & Street)	Apt. Number	
8150 SALT RD			6815 STRICKLER RD		
City or Town	State	Zip Code	City or Town	State	Zip Code
CLARENCE CTR	NY	14032	CLARENCE CTR	NY	14032

Plate Number	State of Reg.	Vehicle Year & Make	Vehicle Type	Ins. Code	Plate Number	State of Reg.	Vehicle Year & Make	Vehicle Type	Ins. Code
KRV1432	NY	2014 CHEV	4DSD	295	HYL6155	NY	2019 GMC	SUBN	743

VEHICLE DAMAGE

Estimated Cost of Property Damage - Vehicle 1: ☐ $1,001-$1,500 ☒ $1,501-$2,500 ☐ Over $2,500

Estimated Cost of Property Damage - Vehicle 2: ☐ $1,001-$1,500 ☐ $1,501-$2,500 ☐ Over $2,500

Describe damage to vehicle 1: FRONT GRILL + HOOD DAMAGE + BUMPER

ACCIDENT DIAGRAM: Circle one of the 9 diagrams (numbered 0-8) if it describes the accident, or draw your own diagram below in space #9. Number the vehicles. Your vehicle is # 1

0. Left Turn | 1. Rear End | 2. Sideswipe (same direction)
3. Left Turn | 4. Right Angle | 5. Right Turn
6. Right Turn | 7. Head On | 8. Sideswipe (opposite direction)

9.

Describe damage to vehicle 2: REAR BUMPER + TAILGATE

ACCIDENT LOCATION

Place Where Accident Occurred in New York State:

County ERIE ☐ City ☐ Village ☒ Town of CLARENCE Permanent Landmark _____

Road on which accident occurred STRICKLER ROAD (Route Number or Street Name)

at ☒ 1) intersecting street GREINER ROAD (Route Number or Street Name)

or 2) _____ Feet _____ Miles ☐ N ☐ S ☐ E ☐ W of _____ (Milepost, Nearest intersecting Route Number or Street Name)

How did the accident happen?

VEHICLE 1 REAR ENDED VEHICLE 2

ALL INVOLVED

Names of All Persons Involved	8. Which Veh. Occupied	9. Position in/on Vehicle	10 Safety Equip.Used	12. Age	13. Sex	16. Injury A	B	C	Describe Injuries	If Deceased, Enter Date of Death
DEREK LAVOCAT	1	1	2,3	17	M				NONE	
LILLY SCARANTINE	1	2	2,3	16	F					
LORI ROPACH	2	1		49	F					
DAUGHTER	2	2			F					

INSURANCE

Identify Damaged Property Other Than Vehicle(s): NONE

VIN 3GCUKREC3EG193671

Name of Insurance Company That Issued Policy For Vehicle 1: ADIRONDACK INSURANCE EXCHANGE

Policy Number 2007675838

Name and Address of Policy Holder TIMOTHY M LAVOCAT 8150 SALT RD CLARENCE CTR NY 14032

Policy Period From 4/28/21 To 4/28/22

If Vehicle was Operated Under Permit (ICC, USDOT or NYSDOT), give No.

Name and Address of Permit Holder

If Self-Insured, give Certificate No. and State

Date 12/16/21

Print Name of Driver (or Representative*) of Vehicle 1: DEREK LAVOCAT

Signature of Driver (or Representative*) of Vehicle 1: Derek Lavocat

★ A representative may sign for the driver if the driver is unable to sign because of injury or death. If you are signing as the driver's representative, check the box that describes why the driver cannot sign. ☐ Injury ☐ Death

An accident report is not considered complete and filed unless it is signed, and if not signed may result in the suspension of your driver's license.

reset/clear

114276 CLAIMSLTR F3 P5/6 S25

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Local Codes

New York State Department of Motor Vehicles

POLICE ACCIDENT REPORT

MV-104A (6/04)

☐ **AMENDED REPORT** **DMV COPY**

19

1

Accident Date Month	Day	Year	Day of Week	Military Time	No. of Vehicles	No. Injured	No. Killed	Not Investigated at Scene ☐ / Accident Reconstructed ☐	Left Scene ☐	Police Photos ☐Yes ☐No

20

VEHICLE 1	☐ VEHICLE 2 ☐ BICYCLIST ☐ PEDESTRIAN ☐ OTHER PEDESTRIAN
2 VEHICLE 1 - Driver License ID Number / State of Lic.	VEHICLE 2 - Driver License ID Number / State of Lic.
Driver Name -exactly as printed on license	Driver Name - exactly as printed on license
Address (*Include Number & Street*) / Apt. No.	Address (*Include Number & Street*) / Apt. No.
City or Town / State / Zip Code	City or Town / State / Zip Code
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City or Town / State / Zip Code	City or Town / State / Zip Code

21

22

23

24

Plate Number	State of Reg.	Vehicle Year & Make	Vehicle Type	Ins. Code

Plate Number	State of Reg.	Vehicle Year & Make	Vehicle Type	Ins. Code

5

Ticket/Arrest Number(s)	Ticket/Arrest Number(s)
Violation Section(s)	Violation Section(s)

25

6

VEHICLE 1

Check if involved vehicle is:
☐ more than 95 inches wide;
☐ more than 34 feet long;
☐ operated with an overweight permit;
☐ operated with an overdimension permit.

VEHICLE 1 DAMAGE CODES

Box 1 - Point of Impact Box 2 - Most Damage	1	2
Enter up to three more Damage Codes	3	4	5

Vehicle Towed: By / To

VEHICLE 2

Check if involved vehicle is:
☐ more than 95 inches wide;
☐ more than 34 feet long;
☐ operated with an overweight permit;
☐ operated with an overdimension permit.

VEHICLE 2 DAMAGE CODES

Box 1 - Point of Impact Box 2 - Most Damage	1	2
Enter up to three more Damage Codes	3	4	5

Vehicle Towed: By / To

Circle the diagram below that describes the accident, or draw your own diagram in space #9. Number the vehicles.

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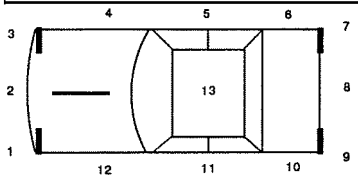

ACCIDENT DIAGRAM

9.

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Cost of repairs to any one vehicle will be more than $1000.
☐ Unknown/Unable to Determine ☐ Yes ☐ No

Reference Marker	Coordinates *(if available)*
	Latitude/Northing: _____
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Place Where Accident Occurred:

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Road on which accident occurred _____
(Route Number or Street Name)

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Accident Description/Officer's Notes

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USE COVER SHEET **N**

ALL INVOLVED

	8	9	10	11	12	13	14	15	16	17 BY	TO 18	Names of all involved	Date of Death Only
A													
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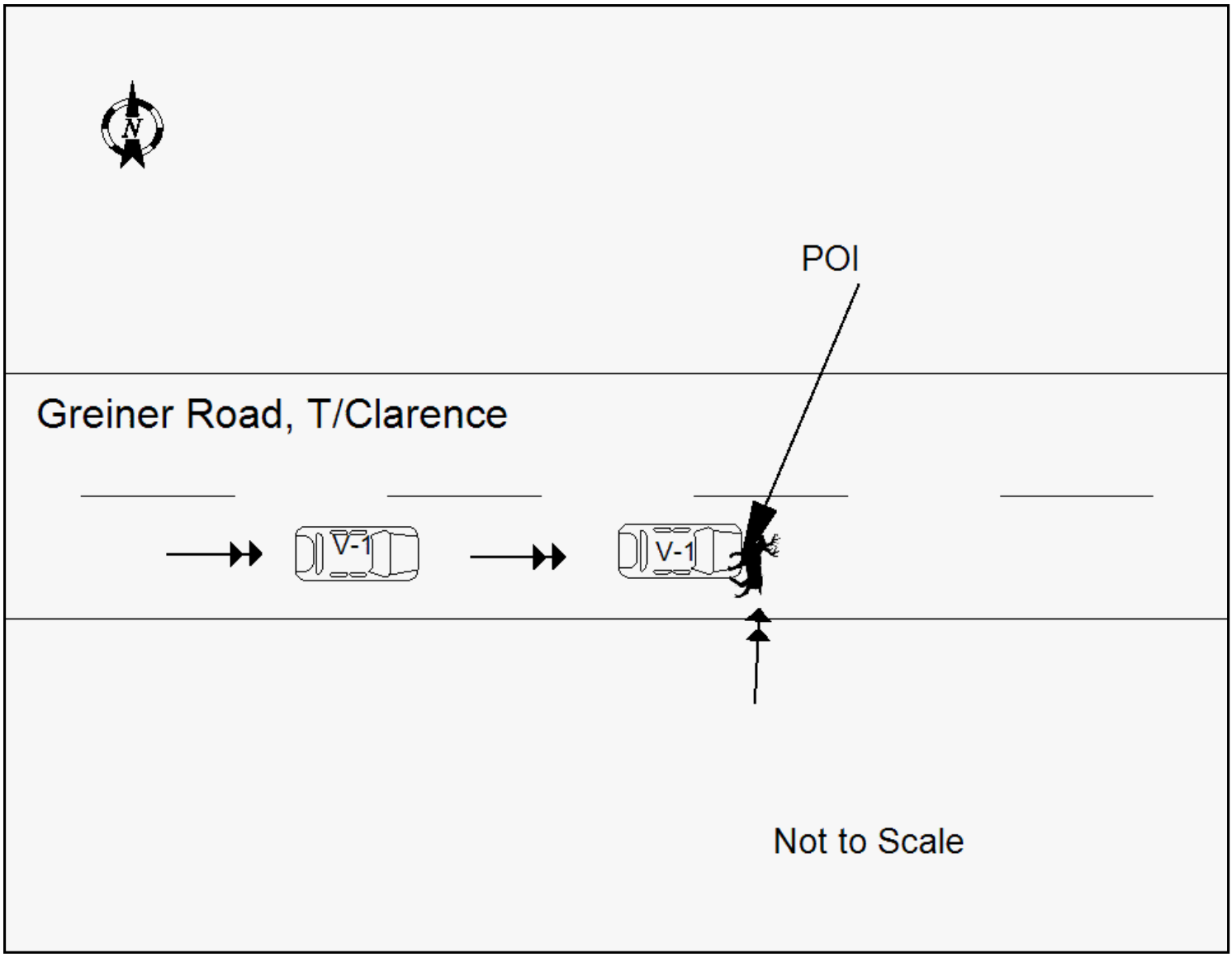
New York State Department of Motor Vehicles

POLICE ACCIDENT REPORT

Accident Diagram

ACCIDENT DIAGRAM



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MV-104A (6/04)

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19

1

Accident Date Month	Day	Year	Day of Week	Military Time	No. of Vehicles	No. Injured	No. Killed	Not Investigated at Scene ☐ / Accident Reconstructed ☐	Left Scene ☐	Police Photos ☐Yes ☐No

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City or Town / State / Zip Code	City or Town / State / Zip Code

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23

24

Plate Number	State of Reg.	Vehicle Year & Make	Vehicle Type	Ins. Code

Plate Number	State of Reg.	Vehicle Year & Make	Vehicle Type	Ins. Code

5

Ticket/Arrest Number(s)	Ticket/Arrest Number(s)
Violation Section(s)	Violation Section(s)

25

6

VEHICLE 1

Check if involved vehicle is:
☐ more than 95 inches wide;
☐ more than 34 feet long;
☐ operated with an overweight permit;
☐ operated with an overdimension permit.

VEHICLE 1 DAMAGE CODES

Box 1 - Point of Impact Box 2 - Most Damage	1	2
Enter up to three more Damage Codes	3	4	5

Vehicle Towed: By / To

VEHICLE 2

Check if involved vehicle is:
☐ more than 95 inches wide;
☐ more than 34 feet long;
☐ operated with an overweight permit;
☐ operated with an overdimension permit.

VEHICLE 2 DAMAGE CODES

Box 1 - Point of Impact Box 2 - Most Damage	1	2
Enter up to three more Damage Codes	3	4	5

Vehicle Towed: By / To

Circle the diagram below that describes the accident, or draw your own diagram in space #9. Number the vehicles.

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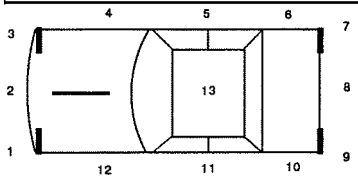

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ALL INVOLVED

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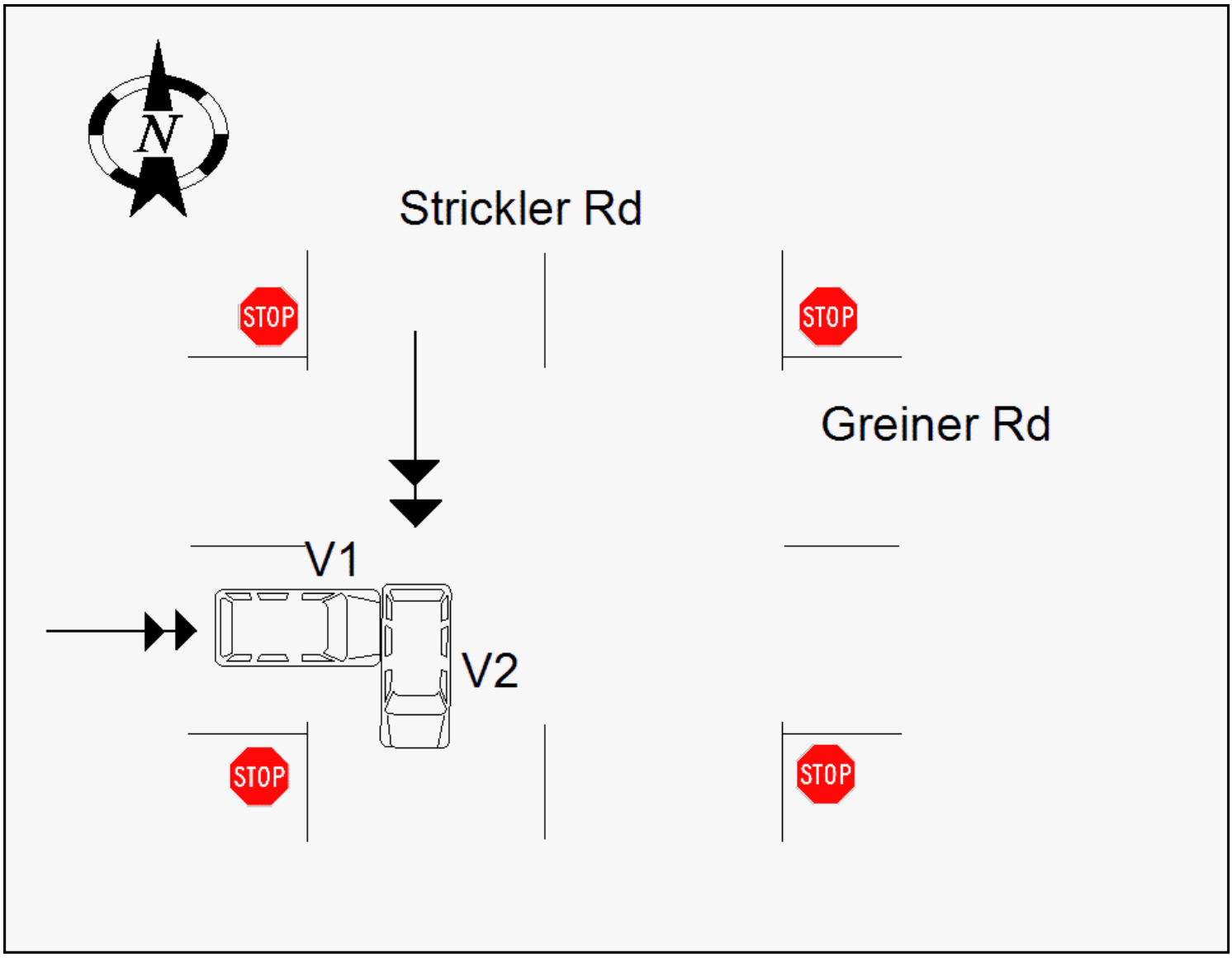

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Plate Number	State of Reg.	Vehicle Year & Make	Vehicle Type	Ins. Code

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VEHICLE 2

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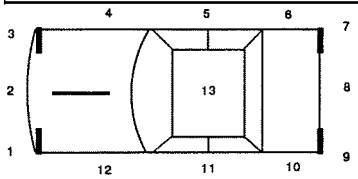

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(Route Number or Street Name)

or 2) _____ Feet _____ Miles ☐N ☐S ☐E ☐W of _____
(Milepost, Nearest intersecting Route Number or Street Name)

29

Accident Description/Officer's Notes

30

USE COVER SHEET **N**

ALL INVOLVED

	8	9	10	11	12	13	14	15	16	17 BY	TO 18	Names of all involved	Date of Death Only
A													
B													
C													
D													
E													
F													

Officer's Rank and Signature / Print Name in Full	Badge/ID No.	NCIC No.	Precinct/Post Troop/Zone	Station/Beat/ Sector	Reviewing Officer	Date/Time Reviewed

New York State Department of Motor Vehicles

POLICE ACCIDENT REPORT

Accident Diagram

ACCIDENT DIAGRAM

Greiner Road
Town of Clarence

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Local Codes

New York State Department of Motor Vehicles

POLICE ACCIDENT REPORT

MV-104A (6/04)

☐ **AMENDED REPORT** **DMV COPY**

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1

Accident Date Month	Day	Year	Day of Week	Military Time	No. of Vehicles	No. Injured	No. Killed	Not Investigated at Scene ☐ / Accident Reconstructed ☐	Left Scene ☐	Police Photos ☐Yes ☐No

20

VEHICLE 1	☐ VEHICLE 2 ☐ BICYCLIST ☐ PEDESTRIAN ☐ OTHER PEDESTRIAN
2 VEHICLE 1 - Driver License ID Number / State of Lic.	VEHICLE 2 - Driver License ID Number / State of Lic.
Driver Name -exactly as printed on license	Driver Name - exactly as printed on license
Address (*Include Number & Street*) / Apt. No.	Address (*Include Number & Street*) / Apt. No.
City or Town / State / Zip Code	City or Town / State / Zip Code
3 Date of Birth Month Day Year / Sex / Unlicensed ☐ / No. of Occupants / Public Property Damaged ☐	Date of Birth Month Day Year / Sex / Unlicensed ☐ / No. of Occupants / Public Property Damaged ☐
Name–exactly as printed on registration / Sex / Date of Birth Month Day Year	Name–exactly as printed on registration / Sex / Date of Birth Month Day Year
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City or Town / State / Zip Code	City or Town / State / Zip Code

21

22

23

24

Plate Number	State of Reg.	Vehicle Year & Make	Vehicle Type	Ins. Code

Plate Number	State of Reg.	Vehicle Year & Make	Vehicle Type	Ins. Code

5

Ticket/Arrest Number(s)	Ticket/Arrest Number(s)
Violation Section(s)	Violation Section(s)

25

6

VEHICLE 1

Check if involved vehicle is:
☐ more than 95 inches wide;
☐ more than 34 feet long;
☐ operated with an overweight permit;
☐ operated with an overdimension permit.

VEHICLE 1 DAMAGE CODES

Box 1 - Point of Impact Box 2 - Most Damage	1	2
Enter up to three more Damage Codes	3	4	5

Vehicle Towed: By / To

VEHICLE 2

Check if involved vehicle is:
☐ more than 95 inches wide;
☐ more than 34 feet long;
☐ operated with an overweight permit;
☐ operated with an overdimension permit.

VEHICLE 2 DAMAGE CODES

Box 1 - Point of Impact Box 2 - Most Damage	1	2
Enter up to three more Damage Codes	3	4	5

Vehicle Towed: By / To

Circle the diagram below that describes the accident, or draw your own diagram in space #9. Number the vehicles.

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Sideswipe (same direction) 2.	Left Turn 0.	4.	Right Turn 6.	Sideswipe (opposite direction) 8.

26

7

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1-13. SEE DIAGRAM ON RIGHT.

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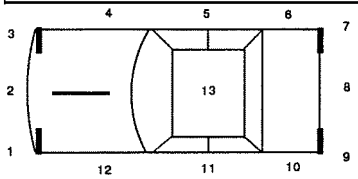

ACCIDENT DIAGRAM

9.

27

28

Cost of repairs to any one vehicle will be more than $1000.
☐ Unknown/Unable to Determine ☐ Yes ☐ No

Reference Marker	Coordinates *(if available)*
	Latitude/Northing: _____
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New York State Department of Motor Vehicles

POLICE ACCIDENT REPORT

Accident Diagram

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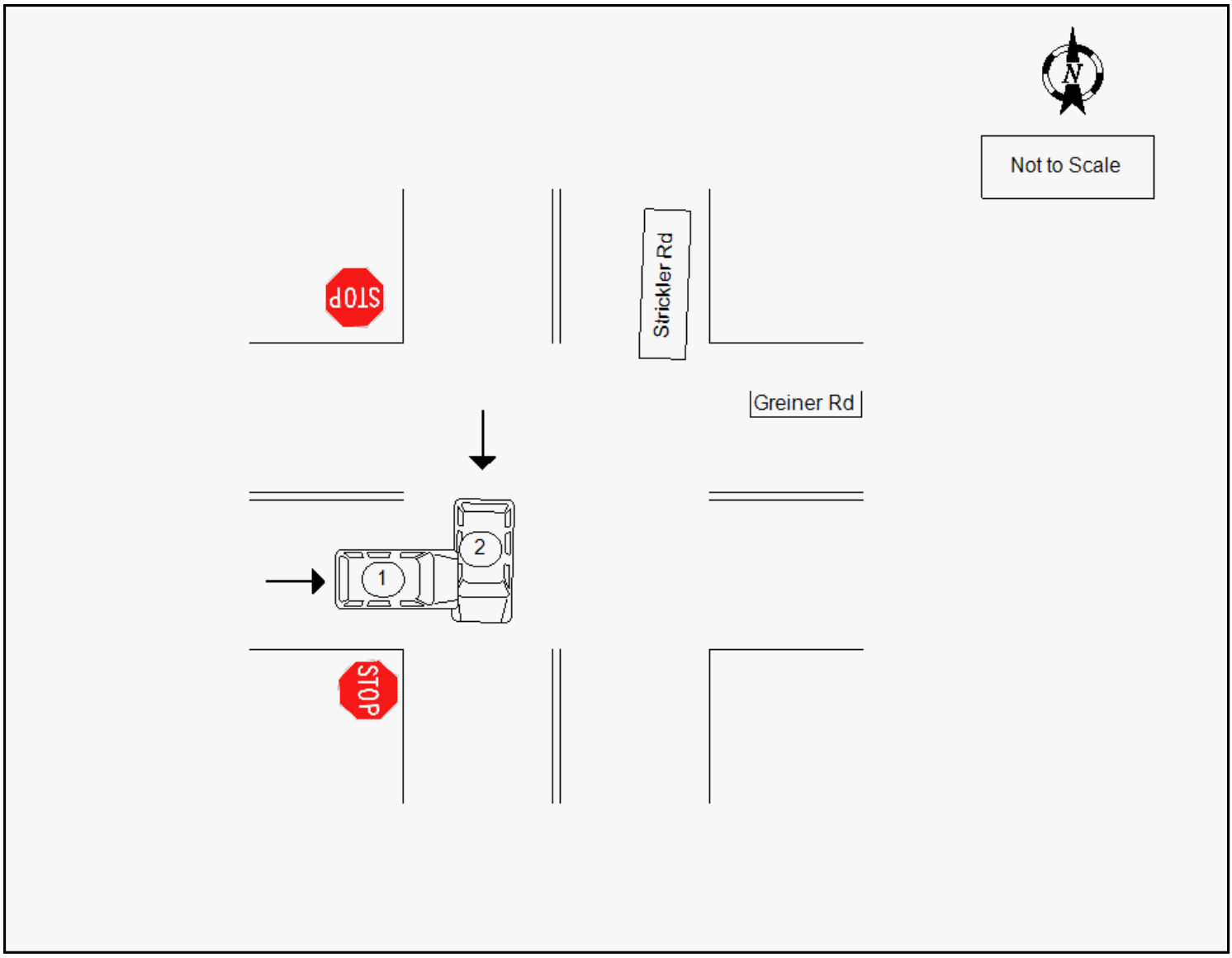

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MV-104A (6/04)

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Enter up to three more Damage Codes	3	4	5

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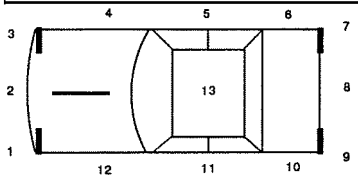

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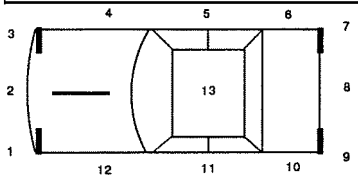

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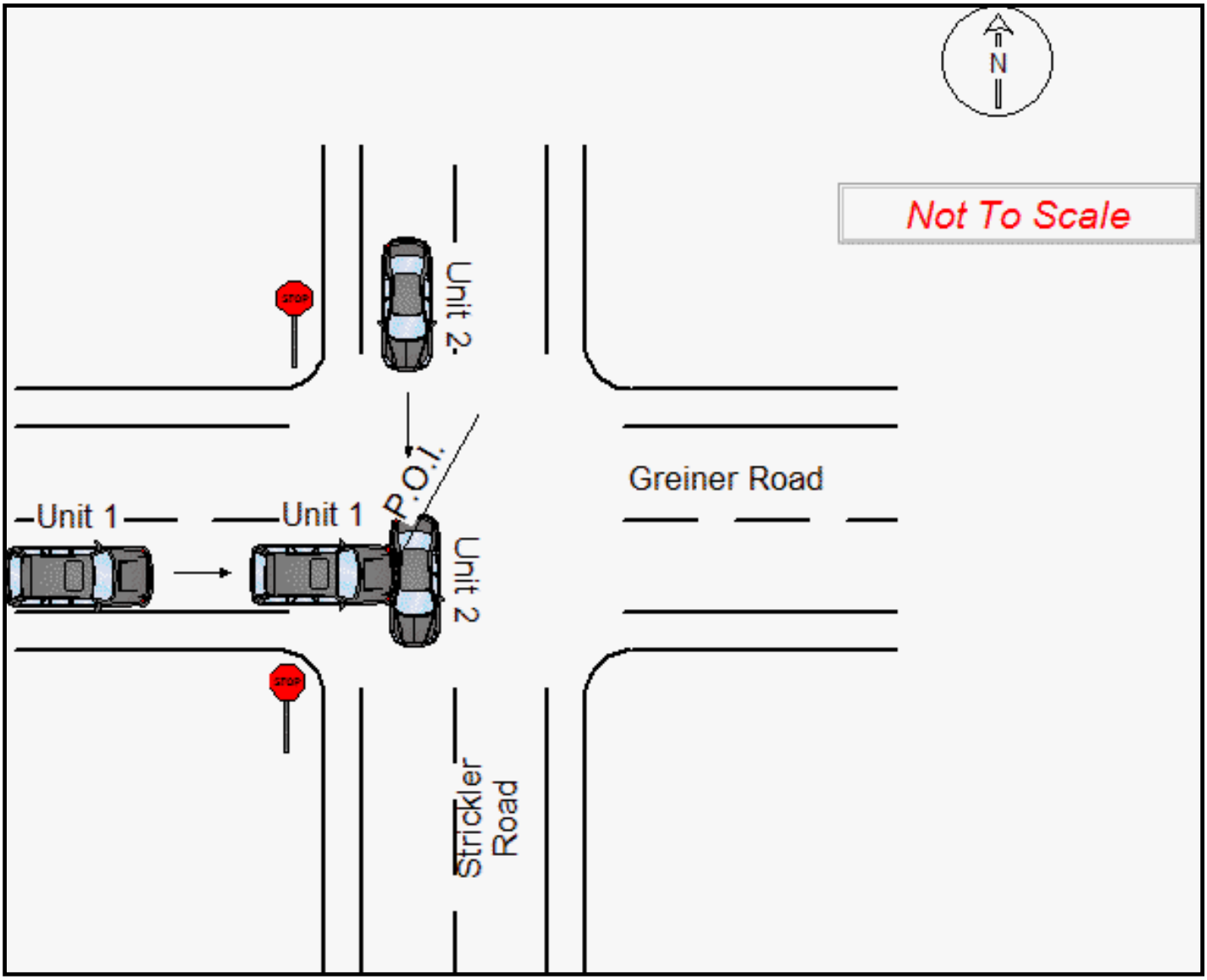


APPENDIX D

Capacity Analysis Output Sheets

Intersection	
Intersection Delay, s/veh	10.5
Intersection LOS	B

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	22	84	53	23	127	4	97	69	2	5	127	89
Future Vol, veh/h	22	84	53	23	127	4	97	69	2	5	127	89
Peak Hour Factor	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89
Heavy Vehicles, %	3	3	3	2	2	2	2	40	2	10	10	10
Mvmt Flow	25	94	60	26	143	4	109	78	2	6	143	100
Number of Lanes	0	1	0	0	1	0	0	1	0	0	1	0

Approach	EB	WB	NB	SB
Opposing Approach	WB	EB	SB	NB
Opposing Lanes	1	1	1	1
Conflicting Approach Left	SB	NB	EB	WB
Conflicting Lanes Left	1	1	1	1
Conflicting Approach Right	NB	SB	WB	EB
Conflicting Lanes Right	1	1	1	1
HCM Control Delay	10.1	10.3	10.5	10.9
HCM LOS	B	B	B	B

Lane	NBLn1	EBLn1	WBLn1	SBLn1
Vol Left, %	58%	14%	15%	2%
Vol Thru, %	41%	53%	82%	57%
Vol Right, %	1%	33%	3%	40%
Sign Control	Stop	Stop	Stop	Stop
Traffic Vol by Lane	168	159	154	221
LT Vol	97	22	23	5
Through Vol	69	84	127	127
RT Vol	2	53	4	89
Lane Flow Rate	189	179	173	248
Geometry Grp	1	1	1	1
Degree of Util (X)	0.282	0.26	0.26	0.351
Departure Headway (Hd)	5.379	5.23	5.402	5.091
Convergence, Y/N	Yes	Yes	Yes	Yes
Cap	668	686	664	708
Service Time	3.411	3.262	3.434	3.122
HCM Lane V/C Ratio	0.283	0.261	0.261	0.35
HCM Control Delay	10.5	10.1	10.3	10.9
HCM Lane LOS	B	B	B	B
HCM 95th-tile Q	1.2	1	1	1.6

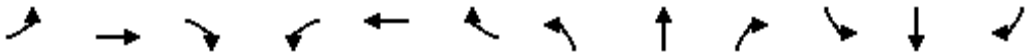
Intersection	
Int Delay, s/veh	0.3

Movement	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Traffic Vol, veh/h	8	2	1	160	196	7
Future Vol, veh/h	8	2	1	160	196	7
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	-	-	-	-	-
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	83	83	83	83	83	83
Heavy Vehicles, %	1	1	5	5	7	7
Mvmt Flow	10	2	1	193	236	8

Major/Minor	Minor2		Major1		Major2	
Conflicting Flow All	435	240	244	0	-	0
Stage 1	240	-	-	-	-	-
Stage 2	195	-	-	-	-	-
Critical Hdwy	6.41	6.21	4.15	-	-	-
Critical Hdwy Stg 1	5.41	-	-	-	-	-
Critical Hdwy Stg 2	5.41	-	-	-	-	-
Follow-up Hdwy	3.509	3.309	2.245	-	-	-
Pot Cap-1 Maneuver	580	801	1305	-	-	-
Stage 1	802	-	-	-	-	-
Stage 2	840	-	-	-	-	-
Platoon blocked, %				-	-	-
Mov Cap-1 Maneuver	579	801	1305	-	-	-
Mov Cap-2 Maneuver	579	-	-	-	-	-
Stage 1	801	-	-	-	-	-
Stage 2	840	-	-	-	-	-

Approach	EB	NB	SB
HCM Control Delay, s	11	0	0
HCM LOS	B		

Minor Lane/Major Mvmt	NBL	NBT	EBLn1	SBT	SBR
Capacity (veh/h)	1305	-	613	-	-
HCM Lane V/C Ratio	0.001	-	0.02	-	-
HCM Control Delay (s)	7.8	0	11	-	-
HCM Lane LOS	A	A	B	-	-
HCM 95th %tile Q(veh)	0	-	0.1	-	-



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	76	224	37	59	456	19	41	66	38	22	90	86
Future Volume (veh/h)	76	224	37	59	456	19	41	66	38	22	90	86
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1678	1678	1678	1841	1841	1841	1811	1811	1811	1752	1752	1752
Adj Flow Rate, veh/h	87	257	43	68	524	22	47	76	44	25	103	99
Peak Hour Factor	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87
Percent Heavy Veh, %	15	15	15	4	4	4	6	6	6	10	10	10
Cap, veh/h	427	719	120	625	889	37	134	194	94	78	173	150
Arrive On Green	0.06	0.51	0.51	0.05	0.51	0.51	0.22	0.22	0.22	0.22	0.22	0.22
Sat Flow, veh/h	1598	1401	234	1753	1754	74	308	896	431	94	799	690
Grp Volume(v), veh/h	87	0	300	68	0	546	167	0	0	227	0	0
Grp Sat Flow(s),veh/h/ln	1598	0	1636	1753	0	1827	1635	0	0	1583	0	0
Q Serve(g_s), s	1.7	0.0	7.6	1.2	0.0	14.5	0.0	0.0	0.0	2.2	0.0	0.0
Cycle Q Clear(g_c), s	1.7	0.0	7.6	1.2	0.0	14.5	5.8	0.0	0.0	8.9	0.0	0.0
Prop In Lane	1.00		0.14	1.00		0.04	0.28		0.26	0.11		0.44
Lane Grp Cap(c), veh/h	427	0	839	625	0	926	422	0	0	402	0	0
V/C Ratio(X)	0.20	0.00	0.36	0.11	0.00	0.59	0.40	0.00	0.00	0.57	0.00	0.00
Avail Cap(c_a), veh/h	472	0	1161	685	0	1297	530	0	0	514	0	0
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	0.00	1.00	0.00	0.00
Uniform Delay (d), s/veh	8.6	0.0	10.0	7.4	0.0	12.0	23.4	0.0	0.0	24.6	0.0	0.0
Incr Delay (d2), s/veh	0.2	0.0	0.3	0.1	0.0	0.6	0.6	0.0	0.0	1.3	0.0	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.5	0.0	2.2	0.4	0.0	4.7	2.3	0.0	0.0	3.2	0.0	0.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	8.8	0.0	10.3	7.4	0.0	12.6	24.0	0.0	0.0	25.9	0.0	0.0
LnGrp LOS	A	A	B	A	A	B	C	A	A	C	A	A
Approach Vol, veh/h		387			614			167			227	
Approach Delay, s/veh		10.0			12.0			24.0			25.9	
Approach LOS		A			B			C			C	

Timer - Assigned Phs	1	2		4	5	6		8				
Phs Duration (G+Y+Rc), s	7.6	41.4		20.0	8.1	41.0		20.0				
Change Period (Y+Rc), s	4.0	6.0		5.0	4.0	6.0		5.0				
Max Green Setting (Gmax), s	6.0	49.0		20.0	6.0	49.0		20.0				
Max Q Clear Time (g_c+I1), s	3.2	9.6		10.9	3.7	16.5		7.8				
Green Ext Time (p_c), s	0.0	1.7		0.8	0.0	3.5		0.7				

Intersection Summary			
HCM 6th Ctrl Delay		15.1	
HCM 6th LOS		B	

Intersection	
Int Delay, s/veh	3.6

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		⇕			⇕			⇕			⇕	
Traffic Vol, veh/h	8	282	30	82	342	16	18	13	60	9	27	10
Future Vol, veh/h	8	282	30	82	342	16	18	13	60	9	27	10
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	-	-	-	-	-	-	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	91	91	91	91	91	91	91	91	91	91	91	91
Heavy Vehicles, %	2	2	2	2	2	2	1	1	1	4	4	4
Mvmt Flow	9	310	33	90	376	18	20	14	66	10	30	11

Major/Minor	Major1			Major2			Minor1			Minor2		
Conflicting Flow All	394	0	0	343	0	0	931	919	327	950	926	385
Stage 1	-	-	-	-	-	-	345	345	-	565	565	-
Stage 2	-	-	-	-	-	-	586	574	-	385	361	-
Critical Hdwy	4.12	-	-	4.12	-	-	7.11	6.51	6.21	7.14	6.54	6.24
Critical Hdwy Stg 1	-	-	-	-	-	-	6.11	5.51	-	6.14	5.54	-
Critical Hdwy Stg 2	-	-	-	-	-	-	6.11	5.51	-	6.14	5.54	-
Follow-up Hdwy	2.218	-	-	2.218	-	-	3.509	4.009	3.309	3.536	4.036	3.336
Pot Cap-1 Maneuver	1165	-	-	1216	-	-	248	272	717	238	267	658
Stage 1	-	-	-	-	-	-	673	638	-	506	505	-
Stage 2	-	-	-	-	-	-	498	505	-	634	622	-
Platoon blocked, %		-	-		-	-						
Mov Cap-1 Maneuver	1165	-	-	1216	-	-	203	244	717	190	239	658
Mov Cap-2 Maneuver	-	-	-	-	-	-	203	244	-	190	239	-
Stage 1	-	-	-	-	-	-	666	632	-	501	457	-
Stage 2	-	-	-	-	-	-	414	457	-	557	616	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	0.2	1.5	16.9	22
HCM LOS			C	C

Minor Lane/Major Mvmt	NBLn1	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1
Capacity (veh/h)	403	1165	-	-	1216	-	-	262
HCM Lane V/C Ratio	0.248	0.008	-	-	0.074	-	-	0.193
HCM Control Delay (s)	16.9	8.1	0	-	8.2	0	-	22
HCM Lane LOS	C	A	A	-	A	A	-	C
HCM 95th %tile Q(veh)	1	0	-	-	0.2	-	-	0.7

Intersection	
Intersection Delay, s/veh	11.1
Intersection LOS	B

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	49	173	75	16	88	13	67	110	15	7	63	39
Future Vol, veh/h	49	173	75	16	88	13	67	110	15	7	63	39
Peak Hour Factor	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89
Heavy Vehicles, %	2	2	2	3	3	3	5	5	5	15	15	15
Mvmt Flow	55	194	84	18	99	15	75	124	17	8	71	44
Number of Lanes	0	1	0	0	1	0	0	1	0	0	1	0

Approach	EB	WB	NB	SB
Opposing Approach	WB	EB	SB	NB
Opposing Lanes	1	1	1	1
Conflicting Approach Left	SB	NB	EB	WB
Conflicting Lanes Left	1	1	1	1
Conflicting Approach Right	NB	SB	WB	EB
Conflicting Lanes Right	1	1	1	1
HCM Control Delay	12.2	9.7	11.1	9.9
HCM LOS	B	A	B	A

Lane	NBLn1	EBLn1	WBLn1	SBLn1
Vol Left, %	35%	16%	14%	6%
Vol Thru, %	57%	58%	75%	58%
Vol Right, %	8%	25%	11%	36%
Sign Control	Stop	Stop	Stop	Stop
Traffic Vol by Lane	192	297	117	109
LT Vol	67	49	16	7
Through Vol	110	173	88	63
RT Vol	15	75	13	39
Lane Flow Rate	216	334	131	122
Geometry Grp	1	1	1	1
Degree of Util (X)	0.325	0.463	0.196	0.188
Departure Headway (Hd)	5.43	4.996	5.358	5.536
Convergence, Y/N	Yes	Yes	Yes	Yes
Cap	662	724	669	648
Service Time	3.465	2.996	3.391	3.575
HCM Lane V/C Ratio	0.326	0.461	0.196	0.188
HCM Control Delay	11.1	12.2	9.7	9.9
HCM Lane LOS	B	B	A	A
HCM 95th-tile Q	1.4	2.5	0.7	0.7

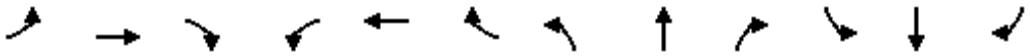
Intersection	
Int Delay, s/veh	0.4

Movement	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Traffic Vol, veh/h	6	3	4	186	146	8
Future Vol, veh/h	6	3	4	186	146	8
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	-	-	-	-	-
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	90	90	90	90	90	90
Heavy Vehicles, %	10	10	5	5	7	7
Mvmt Flow	7	3	4	207	162	9

Major/Minor	Minor2		Major1		Major2	
Conflicting Flow All	382	167	171	0	-	0
Stage 1	167	-	-	-	-	-
Stage 2	215	-	-	-	-	-
Critical Hdwy	6.5	6.3	4.15	-	-	-
Critical Hdwy Stg 1	5.5	-	-	-	-	-
Critical Hdwy Stg 2	5.5	-	-	-	-	-
Follow-up Hdwy	3.59	3.39	2.245	-	-	-
Pot Cap-1 Maneuver	605	857	1388	-	-	-
Stage 1	843	-	-	-	-	-
Stage 2	802	-	-	-	-	-
Platoon blocked, %				-	-	-
Mov Cap-1 Maneuver	603	857	1388	-	-	-
Mov Cap-2 Maneuver	603	-	-	-	-	-
Stage 1	840	-	-	-	-	-
Stage 2	802	-	-	-	-	-

Approach	EB	NB	SB
HCM Control Delay, s	10.5	0.2	0
HCM LOS	B		

Minor Lane/Major Mvmt	NBL	NBT	EBLn1	SBT	SBR
Capacity (veh/h)	1388	-	669	-	-
HCM Lane V/C Ratio	0.003	-	0.015	-	-
HCM Control Delay (s)	7.6	0	10.5	-	-
HCM Lane LOS	A	A	B	-	-
HCM 95th %tile Q(veh)	0	-	0	-	-



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	64	503	57	53	398	26	59	100	79	39	62	48
Future Volume (veh/h)	64	503	57	53	398	26	59	100	79	39	62	48
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1826	1826	1826
Adj Flow Rate, veh/h	74	578	66	61	457	30	68	115	91	45	71	55
Peak Hour Factor	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	5	5	5
Cap, veh/h	506	847	97	391	883	58	134	175	121	127	180	114
Arrive On Green	0.06	0.51	0.51	0.05	0.51	0.51	0.22	0.22	0.22	0.22	0.22	0.22
Sat Flow, veh/h	1781	1648	188	1781	1736	114	314	802	555	282	824	524
Grp Volume(v), veh/h	74	0	644	61	0	487	274	0	0	171	0	0
Grp Sat Flow(s),veh/h/ln	1781	0	1836	1781	0	1850	1672	0	0	1629	0	0
Q Serve(g_s), s	1.3	0.0	18.1	1.1	0.0	12.1	4.3	0.0	0.0	0.0	0.0	0.0
Cycle Q Clear(g_c), s	1.3	0.0	18.1	1.1	0.0	12.1	10.3	0.0	0.0	6.0	0.0	0.0
Prop In Lane	1.00		0.10	1.00		0.06	0.25		0.33	0.26		0.32
Lane Grp Cap(c), veh/h	506	0	944	391	0	941	430	0	0	421	0	0
V/C Ratio(X)	0.15	0.00	0.68	0.16	0.00	0.52	0.64	0.00	0.00	0.41	0.00	0.00
Avail Cap(c_a), veh/h	563	0	1308	458	0	1318	545	0	0	531	0	0
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	0.00	1.00	0.00	0.00
Uniform Delay (d), s/veh	8.0	0.0	12.5	9.4	0.0	11.3	24.9	0.0	0.0	23.3	0.0	0.0
Incr Delay (d2), s/veh	0.1	0.0	0.9	0.2	0.0	0.4	1.6	0.0	0.0	0.6	0.0	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.4	0.0	5.9	0.3	0.0	4.0	4.0	0.0	0.0	2.2	0.0	0.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	8.1	0.0	13.4	9.6	0.0	11.7	26.5	0.0	0.0	24.0	0.0	0.0
LnGrp LOS	A	A	B	A	A	B	C	A	A	C	A	A
Approach Vol, veh/h		718			548			274			171	
Approach Delay, s/veh		12.9			11.5			26.5			24.0	
Approach LOS		B			B			C			C	

Timer - Assigned Phs	1	2		4	5	6		8				
Phs Duration (G+Y+Rc), s	7.4	41.3		20.0	7.8	41.0		20.0				
Change Period (Y+Rc), s	4.0	6.0		5.0	4.0	6.0		5.0				
Max Green Setting (Gmax), s	6.0	49.0		20.0	6.0	49.0		20.0				
Max Q Clear Time (g_c+I1), s	3.1	20.1		8.0	3.3	14.1		12.3				
Green Ext Time (p_c), s	0.0	4.3		0.6	0.0	3.0		0.9				

Intersection Summary			
HCM 6th Ctrl Delay		15.7	
HCM 6th LOS		B	

Intersection	
Int Delay, s/veh	4.2

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		⇕			⇕			⇕			⇕	
Traffic Vol, veh/h	14	300	40	51	390	40	18	29	50	4	15	14
Future Vol, veh/h	14	300	40	51	390	40	18	29	50	4	15	14
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	-	-	-	-	-	-	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	79	79	79	79	79	79	79	79	79	79	79	79
Heavy Vehicles, %	2	2	2	2	2	2	3	3	3	3	3	3
Mvmt Flow	18	380	51	65	494	51	23	37	63	5	19	18

Major/Minor	Major1			Major2			Minor1			Minor2		
Conflicting Flow All	545	0	0	431	0	0	1110	1117	406	1142	1117	520
Stage 1	-	-	-	-	-	-	442	442	-	650	650	-
Stage 2	-	-	-	-	-	-	668	675	-	492	467	-
Critical Hdwy	4.12	-	-	4.12	-	-	7.13	6.53	6.23	7.13	6.53	6.23
Critical Hdwy Stg 1	-	-	-	-	-	-	6.13	5.53	-	6.13	5.53	-
Critical Hdwy Stg 2	-	-	-	-	-	-	6.13	5.53	-	6.13	5.53	-
Follow-up Hdwy	2.218	-	-	2.218	-	-	3.527	4.027	3.327	3.527	4.027	3.327
Pot Cap-1 Maneuver	1024	-	-	1129	-	-	186	206	643	177	206	554
Stage 1	-	-	-	-	-	-	592	575	-	456	464	-
Stage 2	-	-	-	-	-	-	446	452	-	557	560	-
Platoon blocked, %		-	-		-	-						
Mov Cap-1 Maneuver	1024	-	-	1129	-	-	153	185	643	125	185	554
Mov Cap-2 Maneuver	-	-	-	-	-	-	153	185	-	125	185	-
Stage 1	-	-	-	-	-	-	578	562	-	446	425	-
Stage 2	-	-	-	-	-	-	378	414	-	459	547	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	0.3	0.9	28.2	23.2
HCM LOS			D	C

Minor Lane/Major Mvmt	NBLn1	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1
Capacity (veh/h)	275	1024	-	-	1129	-	-	239
HCM Lane V/C Ratio	0.446	0.017	-	-	0.057	-	-	0.175
HCM Control Delay (s)	28.2	8.6	0	-	8.4	0	-	23.2
HCM Lane LOS	D	A	A	-	A	A	-	C
HCM 95th %tile Q(veh)	2.2	0.1	-	-	0.2	-	-	0.6

Intersection	
Intersection Delay, s/veh	11.2
Intersection LOS	B

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	24	92	58	25	139	4	107	75	2	5	139	97
Future Vol, veh/h	24	92	58	25	139	4	107	75	2	5	139	97
Peak Hour Factor	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89
Heavy Vehicles, %	3	3	3	2	2	2	2	40	2	10	10	10
Mvmt Flow	27	103	65	28	156	4	120	84	2	6	156	109
Number of Lanes	0	1	0	0	1	0	0	1	0	0	1	0

Approach	EB	WB	NB	SB
Opposing Approach	WB	EB	SB	NB
Opposing Lanes	1	1	1	1
Conflicting Approach Left	SB	NB	EB	WB
Conflicting Lanes Left	1	1	1	1
Conflicting Approach Right	NB	SB	WB	EB
Conflicting Lanes Right	1	1	1	1
HCM Control Delay	10.7	11	11.2	11.7
HCM LOS	B	B	B	B

Lane	NBLn1	EBLn1	WBLn1	SBLn1
Vol Left, %	58%	14%	15%	2%
Vol Thru, %	41%	53%	83%	58%
Vol Right, %	1%	33%	2%	40%
Sign Control	Stop	Stop	Stop	Stop
Traffic Vol by Lane	184	174	168	241
LT Vol	107	24	25	5
Through Vol	75	92	139	139
RT Vol	2	58	4	97
Lane Flow Rate	207	196	189	271
Geometry Grp	1	1	1	1
Degree of Util (X)	0.319	0.294	0.293	0.395
Departure Headway (Hd)	5.555	5.415	5.59	5.255
Convergence, Y/N	Yes	Yes	Yes	Yes
Cap	645	663	642	685
Service Time	3.6	3.46	3.635	3.296
HCM Lane V/C Ratio	0.321	0.296	0.294	0.396
HCM Control Delay	11.2	10.7	11	11.7
HCM Lane LOS	B	B	B	B
HCM 95th-tile Q	1.4	1.2	1.2	1.9

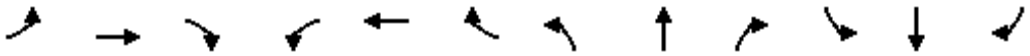
Intersection	
Int Delay, s/veh	0.3

Movement	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Traffic Vol, veh/h	9	2	1	175	214	8
Future Vol, veh/h	9	2	1	175	214	8
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	-	-	-	-	-
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	83	83	83	83	83	83
Heavy Vehicles, %	1	1	5	5	7	7
Mvmt Flow	11	2	1	211	258	10

Major/Minor	Minor2		Major1		Major2	
Conflicting Flow All	476	263	268	0	-	0
Stage 1	263	-	-	-	-	-
Stage 2	213	-	-	-	-	-
Critical Hdwy	6.41	6.21	4.15	-	-	-
Critical Hdwy Stg 1	5.41	-	-	-	-	-
Critical Hdwy Stg 2	5.41	-	-	-	-	-
Follow-up Hdwy	3.509	3.309	2.245	-	-	-
Pot Cap-1 Maneuver	549	778	1278	-	-	-
Stage 1	783	-	-	-	-	-
Stage 2	825	-	-	-	-	-
Platoon blocked, %				-	-	-
Mov Cap-1 Maneuver	548	778	1278	-	-	-
Mov Cap-2 Maneuver	548	-	-	-	-	-
Stage 1	782	-	-	-	-	-
Stage 2	825	-	-	-	-	-

Approach	EB	NB	SB
HCM Control Delay, s	11.4	0	0
HCM LOS	B		

Minor Lane/Major Mvmt	NBL	NBT	EBLn1	SBT	SBR
Capacity (veh/h)	1278	-	579	-	-
HCM Lane V/C Ratio	0.001	-	0.023	-	-
HCM Control Delay (s)	7.8	0	11.4	-	-
HCM Lane LOS	A	A	B	-	-
HCM 95th %tile Q(veh)	0	-	0.1	-	-



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	83	245	40	64	498	21	45	72	42	24	98	94
Future Volume (veh/h)	83	245	40	64	498	21	45	72	42	24	98	94
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1678	1678	1678	1841	1841	1841	1811	1811	1811	1752	1752	1752
Adj Flow Rate, veh/h	95	282	46	74	572	24	52	83	48	28	113	108
Peak Hour Factor	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87
Percent Heavy Veh, %	15	15	15	4	4	4	6	6	6	10	10	10
Cap, veh/h	398	720	117	603	887	37	134	187	90	80	173	149
Arrive On Green	0.06	0.51	0.51	0.05	0.51	0.51	0.22	0.22	0.22	0.22	0.22	0.22
Sat Flow, veh/h	1598	1407	229	1753	1754	74	310	864	417	100	796	687
Grp Volume(v), veh/h	95	0	328	74	0	596	183	0	0	249	0	0
Grp Sat Flow(s),veh/h/ln	1598	0	1636	1753	0	1827	1591	0	0	1583	0	0
Q Serve(g_s), s	1.9	0.0	8.5	1.3	0.0	16.5	0.0	0.0	0.0	3.3	0.0	0.0
Cycle Q Clear(g_c), s	1.9	0.0	8.5	1.3	0.0	16.5	6.6	0.0	0.0	10.0	0.0	0.0
Prop In Lane	1.00		0.14	1.00		0.04	0.28		0.26	0.11		0.43
Lane Grp Cap(c), veh/h	398	0	837	603	0	924	412	0	0	401	0	0
V/C Ratio(X)	0.24	0.00	0.39	0.12	0.00	0.64	0.44	0.00	0.00	0.62	0.00	0.00
Avail Cap(c_a), veh/h	439	0	1159	659	0	1294	519	0	0	513	0	0
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	0.00	1.00	0.00	0.00
Uniform Delay (d), s/veh	9.2	0.0	10.3	7.5	0.0	12.5	23.8	0.0	0.0	25.1	0.0	0.0
Incr Delay (d2), s/veh	0.3	0.0	0.3	0.1	0.0	0.8	0.8	0.0	0.0	1.6	0.0	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.5	0.0	2.5	0.4	0.0	5.4	2.5	0.0	0.0	3.6	0.0	0.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	9.5	0.0	10.6	7.6	0.0	13.3	24.5	0.0	0.0	26.7	0.0	0.0
LnGrp LOS	A	A	B	A	A	B	C	A	A	C	A	A
Approach Vol, veh/h		423			670			183			249	
Approach Delay, s/veh		10.4			12.7			24.5			26.7	
Approach LOS		B			B			C			C	

Timer - Assigned Phs	1	2		4	5	6		8				
Phs Duration (G+Y+Rc), s	7.8	41.4		20.0	8.2	41.0		20.0				
Change Period (Y+Rc), s	4.0	6.0		5.0	4.0	6.0		5.0				
Max Green Setting (Gmax), s	6.0	49.0		20.0	6.0	49.0		20.0				
Max Q Clear Time (g_c+I1), s	3.3	10.5		12.0	3.9	18.5		8.6				
Green Ext Time (p_c), s	0.0	1.9		0.8	0.0	3.9		0.7				

Intersection Summary			
HCM 6th Ctrl Delay		15.7	
HCM 6th LOS		B	

Intersection	
Int Delay, s/veh	4.2

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		⇕			⇕			⇕			⇕	
Traffic Vol, veh/h	9	308	33	90	374	17	20	14	66	10	30	11
Future Vol, veh/h	9	308	33	90	374	17	20	14	66	10	30	11
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	-	-	-	-	-	-	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	91	91	91	91	91	91	91	91	91	91	91	91
Heavy Vehicles, %	2	2	2	2	2	2	1	1	1	4	4	4
Mvmt Flow	10	338	36	99	411	19	22	15	73	11	33	12

Major/Minor	Major1			Major2			Minor1			Minor2		
Conflicting Flow All	430	0	0	374	0	0	1017	1004	356	1039	1013	421
Stage 1	-	-	-	-	-	-	376	376	-	619	619	-
Stage 2	-	-	-	-	-	-	641	628	-	420	394	-
Critical Hdwy	4.12	-	-	4.12	-	-	7.11	6.51	6.21	7.14	6.54	6.24
Critical Hdwy Stg 1	-	-	-	-	-	-	6.11	5.51	-	6.14	5.54	-
Critical Hdwy Stg 2	-	-	-	-	-	-	6.11	5.51	-	6.14	5.54	-
Follow-up Hdwy	2.218	-	-	2.218	-	-	3.509	4.009	3.309	3.536	4.036	3.336
Pot Cap-1 Maneuver	1129	-	-	1184	-	-	217	243	690	207	237	628
Stage 1	-	-	-	-	-	-	647	618	-	473	477	-
Stage 2	-	-	-	-	-	-	465	477	-	607	602	-
Platoon blocked, %		-	-		-	-						
Mov Cap-1 Maneuver	1129	-	-	1184	-	-	170	214	690	159	209	628
Mov Cap-2 Maneuver	-	-	-	-	-	-	170	214	-	159	209	-
Stage 1	-	-	-	-	-	-	640	611	-	468	425	-
Stage 2	-	-	-	-	-	-	374	425	-	524	595	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	0.2	1.6	19.4	25.9
HCM LOS			C	D

Minor Lane/Major Mvmt	NBLn1	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1
Capacity (veh/h)	359	1129	-	-	1184	-	-	228
HCM Lane V/C Ratio	0.306	0.009	-	-	0.084	-	-	0.246
HCM Control Delay (s)	19.4	8.2	0	-	8.3	0	-	25.9
HCM Lane LOS	C	A	A	-	A	A	-	D
HCM 95th %tile Q(veh)	1.3	0	-	-	0.3	-	-	0.9

Intersection	
Intersection Delay, s/veh	12.1
Intersection LOS	B

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	54	189	82	17	96	14	73	120	16	8	69	43
Future Vol, veh/h	54	189	82	17	96	14	73	120	16	8	69	43
Peak Hour Factor	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89
Heavy Vehicles, %	2	2	2	3	3	3	5	5	5	15	15	15
Mvmt Flow	61	212	92	19	108	16	82	135	18	9	78	48
Number of Lanes	0	1	0	0	1	0	0	1	0	0	1	0

Approach	EB	WB	NB	SB
Opposing Approach	WB	EB	SB	NB
Opposing Lanes	1	1	1	1
Conflicting Approach Left	SB	NB	EB	WB
Conflicting Lanes Left	1	1	1	1
Conflicting Approach Right	NB	SB	WB	EB
Conflicting Lanes Right	1	1	1	1
HCM Control Delay	13.6	10.2	11.9	10.4
HCM LOS	B	B	B	B

Lane	NBLn1	EBLn1	WBLn1	SBLn1
Vol Left, %	35%	17%	13%	7%
Vol Thru, %	57%	58%	76%	57%
Vol Right, %	8%	25%	11%	36%
Sign Control	Stop	Stop	Stop	Stop
Traffic Vol by Lane	209	325	127	120
LT Vol	73	54	17	8
Through Vol	120	189	96	69
RT Vol	16	82	14	43
Lane Flow Rate	235	365	143	135
Geometry Grp	1	1	1	1
Degree of Util (X)	0.366	0.519	0.22	0.215
Departure Headway (Hd)	5.61	5.117	5.551	5.738
Convergence, Y/N	Yes	Yes	Yes	Yes
Cap	641	705	645	624
Service Time	3.652	3.155	3.599	3.787
HCM Lane V/C Ratio	0.367	0.518	0.222	0.216
HCM Control Delay	11.9	13.6	10.2	10.4
HCM Lane LOS	B	B	B	B
HCM 95th-tile Q	1.7	3	0.8	0.8

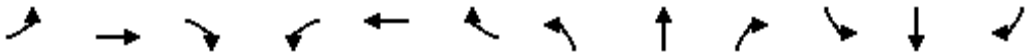
Intersection	
Int Delay, s/veh	0.3

Movement	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Traffic Vol, veh/h	7	3	4	202	159	9
Future Vol, veh/h	7	3	4	202	159	9
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	-	-	-	-	-
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	90	90	90	90	90	90
Heavy Vehicles, %	10	10	5	5	7	7
Mvmt Flow	8	3	4	224	177	10

Major/Minor	Minor2		Major1		Major2	
Conflicting Flow All	414	182	187	0	-	0
Stage 1	182	-	-	-	-	-
Stage 2	232	-	-	-	-	-
Critical Hdwy	6.5	6.3	4.15	-	-	-
Critical Hdwy Stg 1	5.5	-	-	-	-	-
Critical Hdwy Stg 2	5.5	-	-	-	-	-
Follow-up Hdwy	3.59	3.39	2.245	-	-	-
Pot Cap-1 Maneuver	580	840	1369	-	-	-
Stage 1	830	-	-	-	-	-
Stage 2	788	-	-	-	-	-
Platoon blocked, %				-	-	-
Mov Cap-1 Maneuver	578	840	1369	-	-	-
Mov Cap-2 Maneuver	578	-	-	-	-	-
Stage 1	828	-	-	-	-	-
Stage 2	788	-	-	-	-	-

Approach	EB	NB	SB
HCM Control Delay, s	10.7	0.1	0
HCM LOS	B		

Minor Lane/Major Mvmt	NBL	NBT	EBLn1	SBT	SBR
Capacity (veh/h)	1369	-	638	-	-
HCM Lane V/C Ratio	0.003	-	0.017	-	-
HCM Control Delay (s)	7.6	0	10.7	-	-
HCM Lane LOS	A	A	B	-	-
HCM 95th %tile Q(veh)	0	-	0.1	-	-



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	69	550	62	58	435	28	64	109	86	42	68	52
Future Volume (veh/h)	69	550	62	58	435	28	64	109	86	42	68	52
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1826	1826	1826
Adj Flow Rate, veh/h	79	632	71	67	500	32	74	125	99	48	78	60
Peak Hour Factor	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	5	5	5
Cap, veh/h	475	846	95	354	883	57	136	174	122	125	176	112
Arrive On Green	0.06	0.51	0.51	0.05	0.51	0.51	0.22	0.22	0.22	0.22	0.22	0.22
Sat Flow, veh/h	1781	1651	186	1781	1739	111	326	798	559	274	807	515
Grp Volume(v), veh/h	79	0	703	67	0	532	298	0	0	186	0	0
Grp Sat Flow(s),veh/h/ln	1781	0	1837	1781	0	1850	1684	0	0	1597	0	0
Q Serve(g_s), s	1.4	0.0	20.8	1.2	0.0	13.7	4.6	0.0	0.0	0.0	0.0	0.0
Cycle Q Clear(g_c), s	1.4	0.0	20.8	1.2	0.0	13.7	11.3	0.0	0.0	6.7	0.0	0.0
Prop In Lane	1.00		0.10	1.00		0.06	0.25		0.33	0.26		0.32
Lane Grp Cap(c), veh/h	475	0	941	354	0	940	432	0	0	413	0	0
V/C Ratio(X)	0.17	0.00	0.75	0.19	0.00	0.57	0.69	0.00	0.00	0.45	0.00	0.00
Avail Cap(c_a), veh/h	529	0	1306	416	0	1316	547	0	0	522	0	0
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	0.00	1.00	0.00	0.00
Uniform Delay (d), s/veh	8.3	0.0	13.3	10.3	0.0	11.7	25.4	0.0	0.0	23.7	0.0	0.0
Incr Delay (d2), s/veh	0.2	0.0	1.5	0.3	0.0	0.5	2.6	0.0	0.0	0.8	0.0	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.4	0.0	7.0	0.4	0.0	4.5	4.6	0.0	0.0	2.5	0.0	0.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	8.5	0.0	14.8	10.5	0.0	12.2	28.0	0.0	0.0	24.4	0.0	0.0
LnGrp LOS	A	A	B	B	A	B	C	A	A	C	A	A
Approach Vol, veh/h		782			599			298			186	
Approach Delay, s/veh		14.2			12.1			28.0			24.4	
Approach LOS		B			B			C			C	

Timer - Assigned Phs	1	2		4	5	6		8				
Phs Duration (G+Y+Rc), s	7.6	41.3		20.0	7.9	41.0		20.0				
Change Period (Y+Rc), s	4.0	6.0		5.0	4.0	6.0		5.0				
Max Green Setting (Gmax), s	6.0	49.0		20.0	6.0	49.0		20.0				
Max Q Clear Time (g_c+I1), s	3.2	22.8		8.7	3.4	15.7		13.3				
Green Ext Time (p_c), s	0.0	4.8		0.7	0.0	3.4		0.9				

Intersection Summary			
HCM 6th Ctrl Delay		16.7	
HCM 6th LOS		B	

Intersection	
Int Delay, s/veh	5.4

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		⇕			⇕			⇕			⇕	
Traffic Vol, veh/h	15	328	44	56	426	44	20	32	55	4	16	15
Future Vol, veh/h	15	328	44	56	426	44	20	32	55	4	16	15
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	-	-	-	-	-	-	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	79	79	79	79	79	79	79	79	79	79	79	79
Heavy Vehicles, %	2	2	2	2	2	2	3	3	3	3	3	3
Mvmt Flow	19	415	56	71	539	56	25	41	70	5	20	19

Major/Minor	Major1			Major2			Minor1			Minor2		
Conflicting Flow All	595	0	0	471	0	0	1210	1218	443	1246	1218	567
Stage 1	-	-	-	-	-	-	481	481	-	709	709	-
Stage 2	-	-	-	-	-	-	729	737	-	537	509	-
Critical Hdwy	4.12	-	-	4.12	-	-	7.13	6.53	6.23	7.13	6.53	6.23
Critical Hdwy Stg 1	-	-	-	-	-	-	6.13	5.53	-	6.13	5.53	-
Critical Hdwy Stg 2	-	-	-	-	-	-	6.13	5.53	-	6.13	5.53	-
Follow-up Hdwy	2.218	-	-	2.218	-	-	3.527	4.027	3.327	3.527	4.027	3.327
Pot Cap-1 Maneuver	981	-	-	1091	-	-	159	180	613	150	180	521
Stage 1	-	-	-	-	-	-	564	552	-	423	436	-
Stage 2	-	-	-	-	-	-	413	423	-	526	536	-
Platoon blocked, %		-	-		-	-						
Mov Cap-1 Maneuver	981	-	-	1091	-	-	126	158	613	97	158	521
Mov Cap-2 Maneuver	-	-	-	-	-	-	126	158	-	97	158	-
Stage 1	-	-	-	-	-	-	549	538	-	412	393	-
Stage 2	-	-	-	-	-	-	340	382	-	420	522	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	0.3	0.9	38.7	27.5
HCM LOS			E	D

Minor Lane/Major Mvmt	NBLn1	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1
Capacity (veh/h)	237	981	-	-	1091	-	-	204
HCM Lane V/C Ratio	0.571	0.019	-	-	0.065	-	-	0.217
HCM Control Delay (s)	38.7	8.7	0	-	8.5	0	-	27.5
HCM Lane LOS	E	A	A	-	A	A	-	D
HCM 95th %tile Q(veh)	3.2	0.1	-	-	0.2	-	-	0.8

Intersection	
Intersection Delay, s/veh	11.4
Intersection LOS	B

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	24	93	61	27	143	4	114	75	3	5	139	97
Future Vol, veh/h	24	93	61	27	143	4	114	75	3	5	139	97
Peak Hour Factor	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89
Heavy Vehicles, %	3	3	3	2	2	2	2	40	2	10	10	10
Mvmt Flow	27	104	69	30	161	4	128	84	3	6	156	109
Number of Lanes	0	1	0	0	1	0	0	1	0	0	1	0

Approach	EB	WB	NB	SB
Opposing Approach	WB	EB	SB	NB
Opposing Lanes	1	1	1	1
Conflicting Approach Left	SB	NB	EB	WB
Conflicting Lanes Left	1	1	1	1
Conflicting Approach Right	NB	SB	WB	EB
Conflicting Lanes Right	1	1	1	1
HCM Control Delay	10.9	11.2	11.5	11.9
HCM LOS	B	B	B	B

Lane	NBLn1	EBLn1	WBLn1	SBLn1
Vol Left, %	59%	13%	16%	2%
Vol Thru, %	39%	52%	82%	58%
Vol Right, %	2%	34%	2%	40%
Sign Control	Stop	Stop	Stop	Stop
Traffic Vol by Lane	192	178	174	241
LT Vol	114	24	27	5
Through Vol	75	93	143	139
RT Vol	3	61	4	97
Lane Flow Rate	216	200	196	271
Geometry Grp	1	1	1	1
Degree of Util (X)	0.336	0.303	0.306	0.4
Departure Headway (Hd)	5.6	5.46	5.638	5.313
Convergence, Y/N	Yes	Yes	Yes	Yes
Cap	641	656	635	677
Service Time	3.65	3.513	3.691	3.36
HCM Lane V/C Ratio	0.337	0.305	0.309	0.4
HCM Control Delay	11.5	10.9	11.2	11.9
HCM Lane LOS	B	B	B	B
HCM 95th-tile Q	1.5	1.3	1.3	1.9

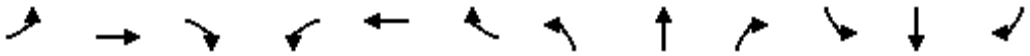
Intersection	
Int Delay, s/veh	1.1

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↕			↕			↕			↕	
Traffic Vol, veh/h	9	0	2	22	0	7	1	176	7	3	216	8
Future Vol, veh/h	9	0	2	22	0	7	1	176	7	3	216	8
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	-	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	83	92	83	92	92	92	83	83	92	92	83	83
Heavy Vehicles, %	1	2	1	2	2	2	5	5	2	2	7	7
Mvmt Flow	11	0	2	24	0	8	1	212	8	3	260	10

Major/Minor	Minor2			Minor1			Major1			Major2		
Conflicting Flow All	493	493	265	490	494	216	270	0	0	220	0	0
Stage 1	271	271	-	218	218	-	-	-	-	-	-	-
Stage 2	222	222	-	272	276	-	-	-	-	-	-	-
Critical Hdwy	7.11	6.52	6.21	7.12	6.52	6.22	4.15	-	-	4.12	-	-
Critical Hdwy Stg 1	6.11	5.52	-	6.12	5.52	-	-	-	-	-	-	-
Critical Hdwy Stg 2	6.11	5.52	-	6.12	5.52	-	-	-	-	-	-	-
Follow-up Hdwy	3.509	4.018	3.309	3.518	4.018	3.318	2.245	-	-	2.218	-	-
Pot Cap-1 Maneuver	488	477	776	489	476	824	1276	-	-	1349	-	-
Stage 1	737	685	-	784	723	-	-	-	-	-	-	-
Stage 2	783	720	-	734	682	-	-	-	-	-	-	-
Platoon blocked, %								-	-		-	-
Mov Cap-1 Maneuver	482	475	776	486	474	824	1276	-	-	1349	-	-
Mov Cap-2 Maneuver	482	475	-	486	474	-	-	-	-	-	-	-
Stage 1	736	683	-	783	722	-	-	-	-	-	-	-
Stage 2	775	719	-	730	680	-	-	-	-	-	-	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	12.1	12.1	0	0.1
HCM LOS	B	B		

Minor Lane/Major Mvmt	NBL	NBT	NBR	EBLn1	WBLn1	SBL	SBT	SBR
Capacity (veh/h)	1276	-	-	518	539	1349	-	-
HCM Lane V/C Ratio	0.001	-	-	0.026	0.058	0.002	-	-
HCM Control Delay (s)	7.8	0	-	12.1	12.1	7.7	0	-
HCM Lane LOS	A	A	-	B	B	A	A	-
HCM 95th %tile Q(veh)	0	-	-	0.1	0.2	0	-	-



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	89	245	40	64	498	23	45	72	42	30	98	112
Future Volume (veh/h)	89	245	40	64	498	23	45	72	42	30	98	112
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1678	1678	1678	1841	1841	1841	1811	1811	1811	1752	1752	1752
Adj Flow Rate, veh/h	102	282	46	74	572	26	52	83	48	34	113	129
Peak Hour Factor	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87
Percent Heavy Veh, %	15	15	15	4	4	4	6	6	6	10	10	10
Cap, veh/h	397	721	118	604	882	40	131	182	88	84	156	160
Arrive On Green	0.06	0.51	0.51	0.05	0.51	0.51	0.22	0.22	0.22	0.22	0.22	0.22
Sat Flow, veh/h	1598	1407	229	1753	1747	79	296	842	405	118	723	738
Grp Volume(v), veh/h	102	0	328	74	0	598	183	0	0	276	0	0
Grp Sat Flow(s),veh/h/ln	1598	0	1636	1753	0	1826	1543	0	0	1579	0	0
Q Serve(g_s), s	2.0	0.0	8.5	1.3	0.0	16.7	0.0	0.0	0.0	4.5	0.0	0.0
Cycle Q Clear(g_c), s	2.0	0.0	8.5	1.3	0.0	16.7	6.9	0.0	0.0	11.4	0.0	0.0
Prop In Lane	1.00		0.14	1.00		0.04	0.28		0.26	0.12		0.47
Lane Grp Cap(c), veh/h	397	0	838	604	0	922	401	0	0	400	0	0
V/C Ratio(X)	0.26	0.00	0.39	0.12	0.00	0.65	0.46	0.00	0.00	0.69	0.00	0.00
Avail Cap(c_a), veh/h	437	0	1157	660	0	1291	507	0	0	511	0	0
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	0.00	1.00	0.00	0.00
Uniform Delay (d), s/veh	9.3	0.0	10.3	7.5	0.0	12.6	23.8	0.0	0.0	25.7	0.0	0.0
Incr Delay (d2), s/veh	0.3	0.0	0.3	0.1	0.0	0.8	0.8	0.0	0.0	2.7	0.0	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.6	0.0	2.5	0.4	0.0	5.5	2.5	0.0	0.0	4.1	0.0	0.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	9.6	0.0	10.6	7.6	0.0	13.4	24.7	0.0	0.0	28.4	0.0	0.0
LnGrp LOS	A	A	B	A	A	B	C	A	A	C	A	A
Approach Vol, veh/h		430			672			183			276	
Approach Delay, s/veh		10.4			12.8			24.7			28.4	
Approach LOS		B			B			C			C	

Timer - Assigned Phs	1	2		4	5	6		8				
Phs Duration (G+Y+Rc), s	7.8	41.5		20.0	8.3	41.0		20.0				
Change Period (Y+Rc), s	4.0	6.0		5.0	4.0	6.0		5.0				
Max Green Setting (Gmax), s	6.0	49.0		20.0	6.0	49.0		20.0				
Max Q Clear Time (g_c+I1), s	3.3	10.5		13.4	4.0	18.7		8.9				
Green Ext Time (p_c), s	0.0	1.9		0.8	0.0	3.9		0.7				

Intersection Summary			
HCM 6th Ctrl Delay		16.3	
HCM 6th LOS		B	

Intersection	
Int Delay, s/veh	4.3

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		⇕			⇕			⇕			⇕	
Traffic Vol, veh/h	9	311	33	92	383	17	20	14	67	10	30	11
Future Vol, veh/h	9	311	33	92	383	17	20	14	67	10	30	11
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	-	-	-	-	-	-	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	91	91	91	91	91	91	91	91	91	91	91	91
Heavy Vehicles, %	2	2	2	2	2	2	1	1	1	4	4	4
Mvmt Flow	10	342	36	101	421	19	22	15	74	11	33	12

Major/Minor	Major1			Major2			Minor1			Minor2		
Conflicting Flow All	440	0	0	378	0	0	1035	1022	360	1058	1031	431
Stage 1	-	-	-	-	-	-	380	380	-	633	633	-
Stage 2	-	-	-	-	-	-	655	642	-	425	398	-
Critical Hdwy	4.12	-	-	4.12	-	-	7.11	6.51	6.21	7.14	6.54	6.24
Critical Hdwy Stg 1	-	-	-	-	-	-	6.11	5.51	-	6.14	5.54	-
Critical Hdwy Stg 2	-	-	-	-	-	-	6.11	5.51	-	6.14	5.54	-
Follow-up Hdwy	2.218	-	-	2.218	-	-	3.509	4.009	3.309	3.536	4.036	3.336
Pot Cap-1 Maneuver	1120	-	-	1180	-	-	211	237	687	201	231	620
Stage 1	-	-	-	-	-	-	644	616	-	464	470	-
Stage 2	-	-	-	-	-	-	457	470	-	603	599	-
Platoon blocked, %		-	-		-	-						
Mov Cap-1 Maneuver	1120	-	-	1180	-	-	164	208	687	153	202	620
Mov Cap-2 Maneuver	-	-	-	-	-	-	164	208	-	153	202	-
Stage 1	-	-	-	-	-	-	637	609	-	459	416	-
Stage 2	-	-	-	-	-	-	366	416	-	519	592	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	0.2	1.6	19.9	26.9
HCM LOS			C	D

Minor Lane/Major Mvmt	NBLn1	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1
Capacity (veh/h)	352	1120	-	-	1180	-	-	220
HCM Lane V/C Ratio	0.315	0.009	-	-	0.086	-	-	0.255
HCM Control Delay (s)	19.9	8.2	0	-	8.3	0	-	26.9
HCM Lane LOS	C	A	A	-	A	A	-	D
HCM 95th %tile Q(veh)	1.3	0	-	-	0.3	-	-	1

Intersection	
Int Delay, s/veh	0.3

Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Traffic Vol, veh/h	99	2	1	168	6	2
Future Vol, veh/h	99	2	1	168	6	2
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	0	-
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	89	89	89	89	89	89
Heavy Vehicles, %	3	3	3	3	2	2
Mvmt Flow	111	2	1	189	7	2

Major/Minor	Major1		Major2		Minor1	
Conflicting Flow All	0	0	113	0	303	112
Stage 1	-	-	-	-	112	-
Stage 2	-	-	-	-	191	-
Critical Hdwy	-	-	4.13	-	6.42	6.22
Critical Hdwy Stg 1	-	-	-	-	5.42	-
Critical Hdwy Stg 2	-	-	-	-	5.42	-
Follow-up Hdwy	-	-	2.227	-	3.518	3.318
Pot Cap-1 Maneuver	-	-	1470	-	689	941
Stage 1	-	-	-	-	913	-
Stage 2	-	-	-	-	841	-
Platoon blocked, %	-	-		-		
Mov Cap-1 Maneuver	-	-	1470	-	688	941
Mov Cap-2 Maneuver	-	-	-	-	688	-
Stage 1	-	-	-	-	913	-
Stage 2	-	-	-	-	840	-

Approach	EB	WB	NB
HCM Control Delay, s	0	0	9.9
HCM LOS			A

Minor Lane/Major Mvmt	NBLn1	EBT	EBR	WBL	WBT
Capacity (veh/h)	738	-	-	1470	-
HCM Lane V/C Ratio	0.012	-	-	0.001	-
HCM Control Delay (s)	9.9	-	-	7.5	0
HCM Lane LOS	A	-	-	A	A
HCM 95th %tile Q(veh)	0	-	-	0	-

Intersection	
Intersection Delay, s/veh	12.4
Intersection LOS	B

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	54	193	90	18	98	14	78	120	18	8	69	43
Future Vol, veh/h	54	193	90	18	98	14	78	120	18	8	69	43
Peak Hour Factor	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89
Heavy Vehicles, %	2	2	2	3	3	3	5	5	5	15	15	15
Mvmt Flow	61	217	101	20	110	16	88	135	20	9	78	48
Number of Lanes	0	1	0	0	1	0	0	1	0	0	1	0

Approach	EB	WB	NB	SB
Opposing Approach	WB	EB	SB	NB
Opposing Lanes	1	1	1	1
Conflicting Approach Left	SB	NB	EB	WB
Conflicting Lanes Left	1	1	1	1
Conflicting Approach Right	NB	SB	WB	EB
Conflicting Lanes Right	1	1	1	1
HCM Control Delay	14.1	10.3	12.2	10.5
HCM LOS	B	B	B	B

Lane	NBLn1	EBLn1	WBLn1	SBLn1
Vol Left, %	36%	16%	14%	7%
Vol Thru, %	56%	57%	75%	57%
Vol Right, %	8%	27%	11%	36%
Sign Control	Stop	Stop	Stop	Stop
Traffic Vol by Lane	216	337	130	120
LT Vol	78	54	18	8
Through Vol	120	193	98	69
RT Vol	18	90	14	43
Lane Flow Rate	243	379	146	135
Geometry Grp	1	1	1	1
Degree of Util (X)	0.382	0.541	0.228	0.218
Departure Headway (Hd)	5.665	5.148	5.614	5.813
Convergence, Y/N	Yes	Yes	Yes	Yes
Cap	633	701	637	616
Service Time	3.711	3.191	3.668	3.868
HCM Lane V/C Ratio	0.384	0.541	0.229	0.219
HCM Control Delay	12.2	14.1	10.3	10.5
HCM Lane LOS	B	B	B	B
HCM 95th-tile Q	1.8	3.3	0.9	0.8

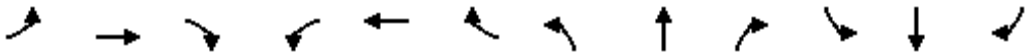
Intersection	
Int Delay, s/veh	1

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↕			↕			↕			↕	
Traffic Vol, veh/h	7	0	3	14	0	5	4	204	24	8	160	9
Future Vol, veh/h	7	0	3	14	0	5	4	204	24	8	160	9
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	-	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	90	90	90	90	90	90	90	90	90	90	90	90
Heavy Vehicles, %	10	2	10	2	2	2	5	5	2	2	7	7
Mvmt Flow	8	0	3	16	0	6	4	227	27	9	178	10

Major/Minor	Minor2			Minor1			Major1			Major2		
Conflicting Flow All	453	463	183	452	455	241	188	0	0	254	0	0
Stage 1	201	201	-	249	249	-	-	-	-	-	-	-
Stage 2	252	262	-	203	206	-	-	-	-	-	-	-
Critical Hdwy	7.2	6.52	6.3	7.12	6.52	6.22	4.15	-	-	4.12	-	-
Critical Hdwy Stg 1	6.2	5.52	-	6.12	5.52	-	-	-	-	-	-	-
Critical Hdwy Stg 2	6.2	5.52	-	6.12	5.52	-	-	-	-	-	-	-
Follow-up Hdwy	3.59	4.018	3.39	3.518	4.018	3.318	2.245	-	-	2.218	-	-
Pot Cap-1 Maneuver	504	496	839	518	501	798	1368	-	-	1311	-	-
Stage 1	783	735	-	755	701	-	-	-	-	-	-	-
Stage 2	735	691	-	799	731	-	-	-	-	-	-	-
Platoon blocked, %								-	-		-	-
Mov Cap-1 Maneuver	496	491	839	512	495	798	1368	-	-	1311	-	-
Mov Cap-2 Maneuver	496	491	-	512	495	-	-	-	-	-	-	-
Stage 1	781	729	-	753	699	-	-	-	-	-	-	-
Stage 2	728	689	-	789	725	-	-	-	-	-	-	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	11.5	11.6	0.1	0.4
HCM LOS	B	B		

Minor Lane/Major Mvmt	NBL	NBT	NBR	EBLn1	WBLn1	SBL	SBT	SBR
Capacity (veh/h)	1368	-	-	565	565	1311	-	-
HCM Lane V/C Ratio	0.003	-	-	0.02	0.037	0.007	-	-
HCM Control Delay (s)	7.6	0	-	11.5	11.6	7.8	0	-
HCM Lane LOS	A	A	-	B	B	A	A	-
HCM 95th %tile Q(veh)	0	-	-	0.1	0.1	0	-	-



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	89	550	62	58	435	34	64	109	86	45	68	64
Future Volume (veh/h)	89	550	62	58	435	34	64	109	86	45	68	64
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1826	1826	1826
Adj Flow Rate, veh/h	102	632	71	67	500	39	74	125	99	52	78	74
Peak Hour Factor	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	5	5	5
Cap, veh/h	475	850	96	356	865	67	135	172	120	125	158	124
Arrive On Green	0.06	0.51	0.51	0.05	0.51	0.51	0.22	0.22	0.22	0.22	0.22	0.22
Sat Flow, veh/h	1781	1651	186	1781	1713	134	324	793	556	275	729	572
Grp Volume(v), veh/h	102	0	703	67	0	539	298	0	0	204	0	0
Grp Sat Flow(s),veh/h/ln	1781	0	1837	1781	0	1846	1674	0	0	1577	0	0
Q Serve(g_s), s	1.8	0.0	20.8	1.2	0.0	14.1	3.8	0.0	0.0	0.0	0.0	0.0
Cycle Q Clear(g_c), s	1.8	0.0	20.8	1.2	0.0	14.1	11.5	0.0	0.0	7.7	0.0	0.0
Prop In Lane	1.00		0.10	1.00		0.07	0.25		0.33	0.25		0.36
Lane Grp Cap(c), veh/h	475	0	946	356	0	933	427	0	0	407	0	0
V/C Ratio(X)	0.21	0.00	0.74	0.19	0.00	0.58	0.70	0.00	0.00	0.50	0.00	0.00
Avail Cap(c_a), veh/h	519	0	1299	417	0	1306	541	0	0	514	0	0
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	0.00	1.00	0.00	0.00
Uniform Delay (d), s/veh	8.5	0.0	13.2	10.3	0.0	12.0	25.6	0.0	0.0	24.2	0.0	0.0
Incr Delay (d2), s/veh	0.2	0.0	1.5	0.3	0.0	0.6	2.8	0.0	0.0	1.0	0.0	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.5	0.0	7.0	0.4	0.0	4.7	4.6	0.0	0.0	2.8	0.0	0.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	8.7	0.0	14.7	10.5	0.0	12.6	28.5	0.0	0.0	25.2	0.0	0.0
LnGrp LOS	A	A	B	B	A	B	C	A	A	C	A	A
Approach Vol, veh/h		805			606			298			204	
Approach Delay, s/veh		14.0			12.3			28.5			25.2	
Approach LOS		B			B			C			C	

Timer - Assigned Phs	1	2		4	5	6		8				
Phs Duration (G+Y+Rc), s	7.6	41.7		20.0	8.3	41.0		20.0				
Change Period (Y+Rc), s	4.0	6.0		5.0	4.0	6.0		5.0				
Max Green Setting (Gmax), s	6.0	49.0		20.0	6.0	49.0		20.0				
Max Q Clear Time (g_c+I1), s	3.2	22.8		9.7	3.8	16.1		13.5				
Green Ext Time (p_c), s	0.0	4.8		0.7	0.0	3.4		0.9				

Intersection Summary			
HCM 6th Ctrl Delay		16.9	
HCM 6th LOS		B	

Intersection	
Int Delay, s/veh	5.7

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↕			↕			↕			↕	
Traffic Vol, veh/h	15	338	44	57	432	43	20	32	57	4	16	15
Future Vol, veh/h	15	338	44	57	432	43	20	32	57	4	16	15
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	-	-	-	-	-	-	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	79	79	79	79	79	79	79	79	79	79	79	79
Heavy Vehicles, %	2	2	2	2	2	2	3	3	3	3	3	3
Mvmt Flow	19	428	56	72	547	54	25	41	72	5	20	19

Major/Minor	Major1			Major2			Minor1			Minor2		
Conflicting Flow All	601	0	0	484	0	0	1232	1239	456	1269	1240	574
Stage 1	-	-	-	-	-	-	494	494	-	718	718	-
Stage 2	-	-	-	-	-	-	738	745	-	551	522	-
Critical Hdwy	4.12	-	-	4.12	-	-	7.13	6.53	6.23	7.13	6.53	6.23
Critical Hdwy Stg 1	-	-	-	-	-	-	6.13	5.53	-	6.13	5.53	-
Critical Hdwy Stg 2	-	-	-	-	-	-	6.13	5.53	-	6.13	5.53	-
Follow-up Hdwy	2.218	-	-	2.218	-	-	3.527	4.027	3.327	3.527	4.027	3.327
Pot Cap-1 Maneuver	976	-	-	1079	-	-	153	175	602	144	174	516
Stage 1	-	-	-	-	-	-	555	545	-	419	432	-
Stage 2	-	-	-	-	-	-	408	420	-	517	529	-
Platoon blocked, %		-	-		-	-						
Mov Cap-1 Maneuver	976	-	-	1079	-	-	120	153	602	92	152	516
Mov Cap-2 Maneuver	-	-	-	-	-	-	120	153	-	92	152	-
Stage 1	-	-	-	-	-	-	540	530	-	408	388	-
Stage 2	-	-	-	-	-	-	335	378	-	409	515	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	0.3	0.9	41	28.5
HCM LOS			E	D

Minor Lane/Major Mvmt	NBLn1	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1
Capacity (veh/h)	232	976	-	-	1079	-	-	197
HCM Lane V/C Ratio	0.595	0.019	-	-	0.067	-	-	0.225
HCM Control Delay (s)	41	8.8	0	-	8.6	0	-	28.5
HCM Lane LOS	E	A	A	-	A	A	-	D
HCM 95th %tile Q(veh)	3.4	0.1	-	-	0.2	-	-	0.8

Intersection	
Int Delay, s/veh	0.2

Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Traffic Vol, veh/h	213	6	2	127	3	1
Future Vol, veh/h	213	6	2	127	3	1
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	0	-
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	232	7	2	138	3	1

Major/Minor	Major1		Major2		Minor1	
Conflicting Flow All	0	0	239	0	378	236
Stage 1	-	-	-	-	236	-
Stage 2	-	-	-	-	142	-
Critical Hdwy	-	-	4.12	-	6.42	6.22
Critical Hdwy Stg 1	-	-	-	-	5.42	-
Critical Hdwy Stg 2	-	-	-	-	5.42	-
Follow-up Hdwy	-	-	2.218	-	3.518	3.318
Pot Cap-1 Maneuver	-	-	1328	-	624	803
Stage 1	-	-	-	-	803	-
Stage 2	-	-	-	-	885	-
Platoon blocked, %	-	-		-		
Mov Cap-1 Maneuver	-	-	1328	-	623	803
Mov Cap-2 Maneuver	-	-	-	-	623	-
Stage 1	-	-	-	-	803	-
Stage 2	-	-	-	-	883	-

Approach	EB	WB	NB
HCM Control Delay, s	0	0.1	10.5
HCM LOS			B

Minor Lane/Major Mvmt	NBLn1	EBT	EBR	WBL	WBT
Capacity (veh/h)	660	-	-	1328	-
HCM Lane V/C Ratio	0.007	-	-	0.002	-
HCM Control Delay (s)	10.5	-	-	7.7	0
HCM Lane LOS	B	-	-	A	A
HCM 95th %tile Q(veh)	0	-	-	0	-

APPENDIX E

Traffic Signal Warrant Worksheets

TRAFFIC SIGNAL WARRANT SUMMARY

Project: WNY-2300033.00 Strickler-Greiner Traffic Study
Condition: Existing
Location: Clarence, NY
Date: December 10, 2024

Major Street: Greiner Rd
Lanes: 2
Critical Approach Speed: 45 mph
Minor Street: Strickler Rd
Lanes: 2

Volume Level Criteria

1. Is the critical speed of major street traffic greater than 40 mph? Yes
2. Is the intersection in a built-up area of an isolated community with population less than 10,000? No

If either Question 1 or Question 2 is answered "Yes", then use the 70% volume level. Criteria used: 70%

WARRANT 1 - EIGHT HOUR VEHICULAR VOLUME **Warrant 1 Satisfied: NO**

Warrant 1 is satisfied if EITHER Condition A OR Condition B is 100% satisfied.
Warrant 1 is also satisfied if BOTH Condition A AND Condition B are satisfied to the 80% volume level.

			Condition 1A - Minimum Vehicular Volume (X indicates that criteria is met for specified condition)				Condition 1B - Interuption of Continuous Traffic (X indicates that criteria is met for specified condition)				Total Satisfied Hours (8 required)		
											0	0	0
Minimum Volume Criteria:			420	140	336	112	630	70	504	56	Condition	Condition	80% for
Start Time	Major St. Volume[1]	Minor St. Volume[2]	Major St. 100%	Minor St. 100%	Major St. 80%	Minor St. 80%	Major St. 100%	Minor St. 100%	Major St. 80%	Minor St. 80%	1A Satisfied	1B Satisfied	Both Satisfied
12:00 AM			-	-	-	-	-	-	-	-	-	-	-
1:00 AM			-	-	-	-	-	-	-	-	-	-	-
2:00 AM			-	-	-	-	-	-	-	-	-	-	-
3:00 AM			-	-	-	-	-	-	-	-	-	-	-
4:00 AM			-	-	-	-	-	-	-	-	-	-	-
5:00 AM			-	-	-	-	-	-	-	-	-	-	-
6:00 AM			-	-	-	-	-	-	-	-	-	-	-
7:00 AM	288	125	-	-	-	X	-	X	-	X	-	-	-
8:00 AM	313	221	-	X	-	X	-	X	-	X	-	-	-
9:00 AM	211	94	-	-	-	-	-	X	-	X	-	-	-
10:00 AM	206	74	-	-	-	-	-	X	-	X	-	-	-
11:00 AM	237	81	-	-	-	-	-	X	-	X	-	-	-
12:00 PM	253	90	-	-	-	-	-	X	-	X	-	-	-
1:00 PM	285	88	-	-	-	-	-	X	-	X	-	-	-
2:00 PM	288	100	-	-	-	-	-	X	-	X	-	-	-
3:00 PM	380	170	-	X	X	X	-	X	-	X	-	-	-
4:00 PM	353	166	-	X	X	X	-	X	-	X	-	-	-
5:00 PM	327	139	-	-	-	X	-	X	-	X	-	-	-
6:00 PM	217	62	-	-	-	-	-	-	-	X	-	-	-
7:00 PM			-	-	-	-	-	-	-	-	-	-	-
8:00 PM			-	-	-	-	-	-	-	-	-	-	-
9:00 PM			-	-	-	-	-	-	-	-	-	-	-
10:00 PM			-	-	-	-	-	-	-	-	-	-	-
11:00 PM			-	-	-	-	-	-	-	-	-	-	-

[1] Major Street Volume is the total combined volume of both mainline approaches.

[2] Minor Street volumes is the highest single side street approach volume.

WARRANT 2 - FOUR HOUR VEHICULAR VOLUME **Warrant 2 Satisfied: No**

Warrant is satisfied if four (4) or more hours satisfy the volume requirements depicted on the four hour warranting graph **(see page 2)**. No. of Points Above Criteria Curve: 2

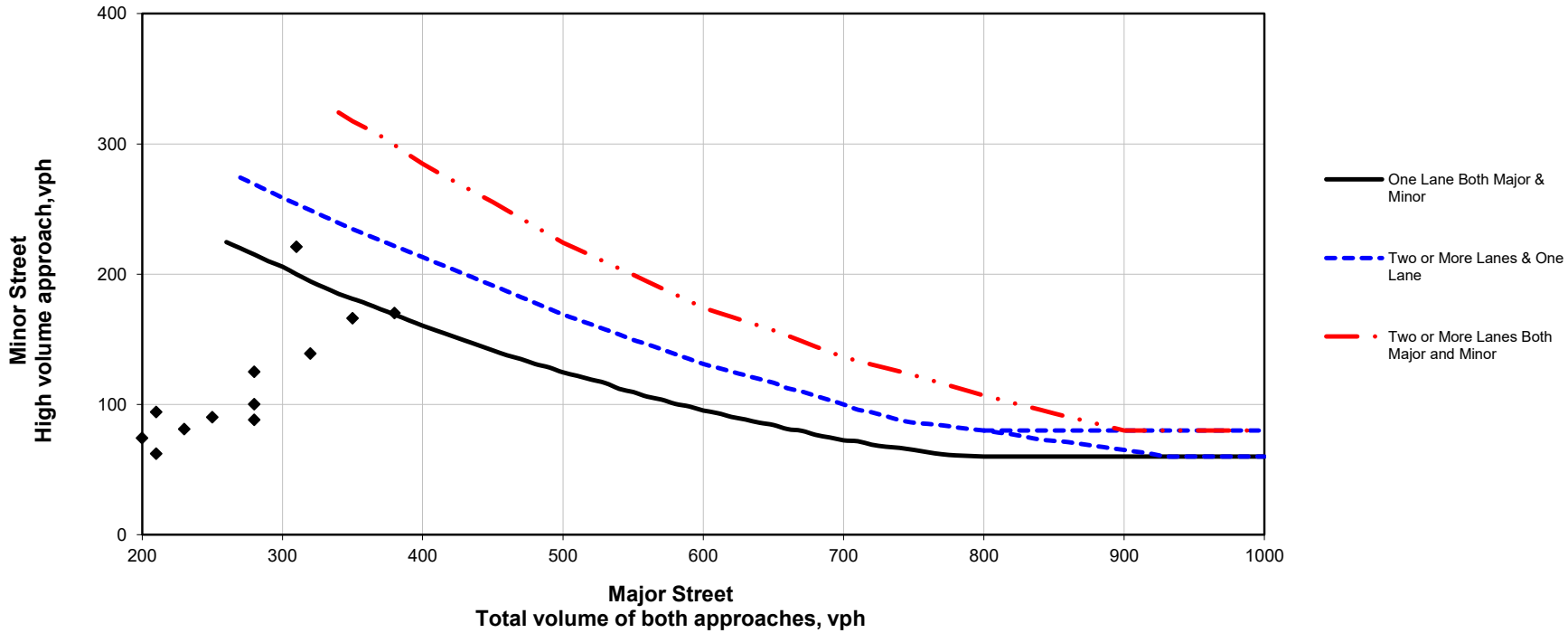
WARRANT 3 - PEAK HOUR VEHICULAR VOLUME **Warrant 3 Satisfied: No**

Warrant is satisfied if any hour satisfy the volume requirements depicted on the peak hour warranting graph **(see page 3)**, and ALL three of the following requirement are met. No. of Points Above Criteria Curve: 0

1. Total stopped time delay on Minor Street equals or exceeds 4 VHD (single lane) or 5 VHD (two lanes): N/A VHD Max. No
2. Volume on Minor Street equals or exceeds 100 vehicles (single lane) or 150 vehicles (two lanes): No
3. Total intersection volume serviced during the hour equals or exceeds 650 veh. (3-leg) or 800 veh. (4-leg or more): No

Figure 4C-2. Warrant 2, Four-Hour Vehicular Volume (70% Factor)

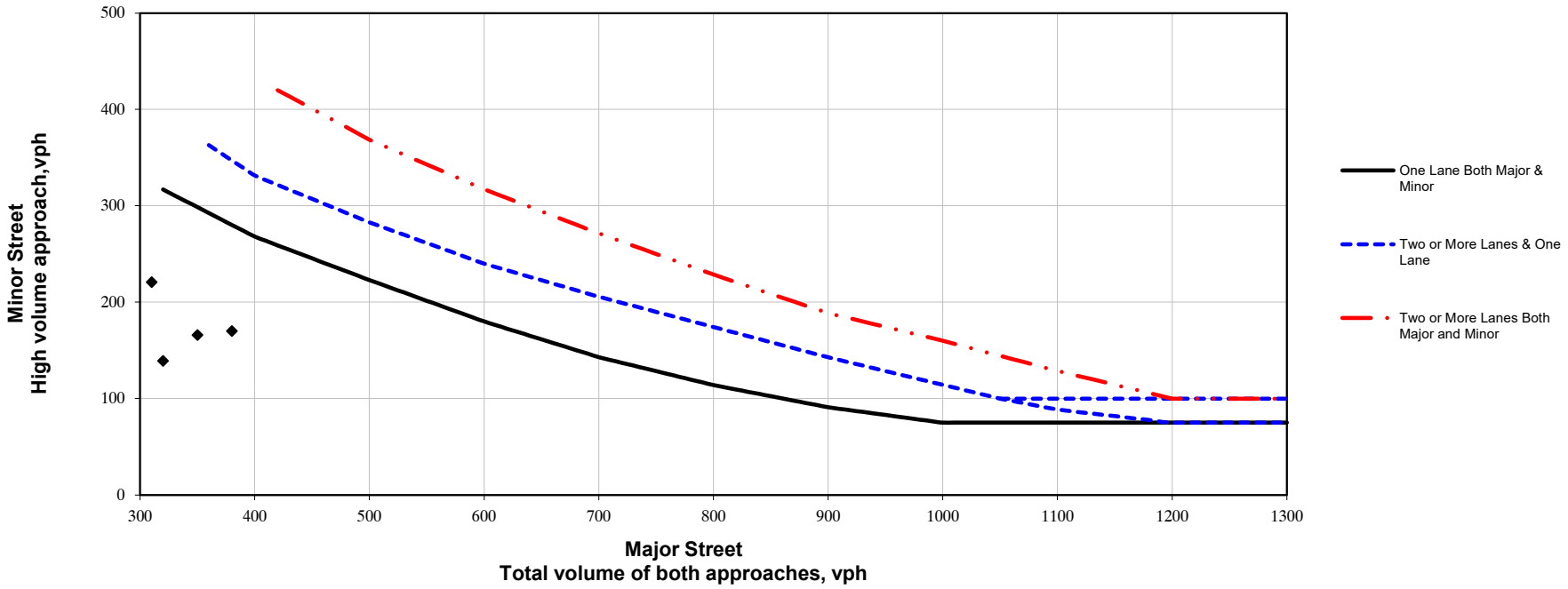
(COMMUNITY LESS THAN 10,000 POPULATION OR ABOVE 70 km/h (40 mph) ON MAJOR STREET)



Note: Points on graph represent hourly volumes. Points above the respective curve satisfy warrant, points below do not satisfy warrant.

Figure 4C-4. Warrant 3, Peak Hour (70% Factor)

(COMMUNITY LESS THAN 10,000 POPULATION OR ABOVE 70 km/h (40 mph) ON MAJOR STREET)



Note: Points on graph represent hourly volumes. Points above the respective curve satisfy warrant, points below do not satisfy warrant.

TRAFFIC SIGNAL WARRANT SUMMARY

Project: WNY-2300033.00 Strickler-Greiner Traffic Study
Condition: 2030 No-Build
Location: Clarence, NY
Date: December 10, 2024

Major Street: Greiner Rd
Lanes: 2
Critical Approach Speed: 45 mph
Minor Street: Strickler Rd
Lanes: 2

Volume Level Criteria

1. Is the critical speed of major street traffic greater than 40 mph? Yes
2. Is the intersection in a built-up area of an isolated community with population less than 10,000? No

If either Question 1 or Question 2 is answered "Yes", then use the 70% volume level. Criteria used: 70%

WARRANT 1 - EIGHT HOUR VEHICULAR VOLUME **Warrant 1 Satisfied: NO**

Warrant 1 is satisfied if EITHER Condition A OR Condition B is 100% satisfied.
Warrant 1 is also satisfied if BOTH Condition A AND Condition B are satisfied to the 80% volume level.

			Condition 1A - Minimum Vehicular Volume (X indicates that criteria is met for specified condition)				Condition 1B - Interuption of Continuous Traffic (X indicates that criteria is met for specified condition)				Total Satisfied Hours (8 required)		
											0	0	0
Minimum Volume Criteria:			420	140	336	112	630	70	504	56	Condition	Condition	80% for
Start Time	Major St. Volume[1]	Minor St. Volume[2]	Major St. 100%	Minor St. 100%	Major St. 80%	Minor St. 80%	Major St. 100%	Minor St. 100%	Major St. 80%	Minor St. 80%	1A Satisfied	1B Satisfied	Both Satisfied
12:00 AM			-	-	-	-	-	-	-	-	-	-	-
1:00 AM			-	-	-	-	-	-	-	-	-	-	-
2:00 AM			-	-	-	-	-	-	-	-	-	-	-
3:00 AM			-	-	-	-	-	-	-	-	-	-	-
4:00 AM			-	-	-	-	-	-	-	-	-	-	-
5:00 AM			-	-	-	-	-	-	-	-	-	-	-
6:00 AM			-	-	-	-	-	-	-	-	-	-	-
7:00 AM	315	137	-	-	-	X	-	X	-	X	-	-	-
8:00 AM	343	242	-	X	X	X	-	X	-	X	-	-	-
9:00 AM	231	103	-	-	-	-	-	X	-	X	-	-	-
10:00 AM	226	81	-	-	-	-	-	X	-	X	-	-	-
11:00 AM	260	89	-	-	-	-	-	X	-	X	-	-	-
12:00 PM	277	99	-	-	-	-	-	X	-	X	-	-	-
1:00 PM	312	97	-	-	-	-	-	X	-	X	-	-	-
2:00 PM	315	110	-	-	-	-	-	X	-	X	-	-	-
3:00 PM	416	186	-	X	X	X	-	X	-	X	-	-	-
4:00 PM	386	182	-	X	X	X	-	X	-	X	-	-	-
5:00 PM	358	152	-	X	X	X	-	X	-	X	-	-	-
6:00 PM	238	68	-	-	-	-	-	-	-	X	-	-	-
7:00 PM			-	-	-	-	-	-	-	-	-	-	-
8:00 PM			-	-	-	-	-	-	-	-	-	-	-
9:00 PM			-	-	-	-	-	-	-	-	-	-	-
10:00 PM			-	-	-	-	-	-	-	-	-	-	-
11:00 PM			-	-	-	-	-	-	-	-	-	-	-

[1] Major Street Volume is the total combined volume of both mainline approaches.

[2] Minor Street volumes is the highest single side street approach volume.

WARRANT 2 - FOUR HOUR VEHICULAR VOLUME **Warrant 2 Satisfied: No**

Warrant is satisfied if four (4) or more hours satisfy the volume requirements depicted on the four hour warranting graph **(see page 2)**. No. of Points Above Criteria Curve: 3

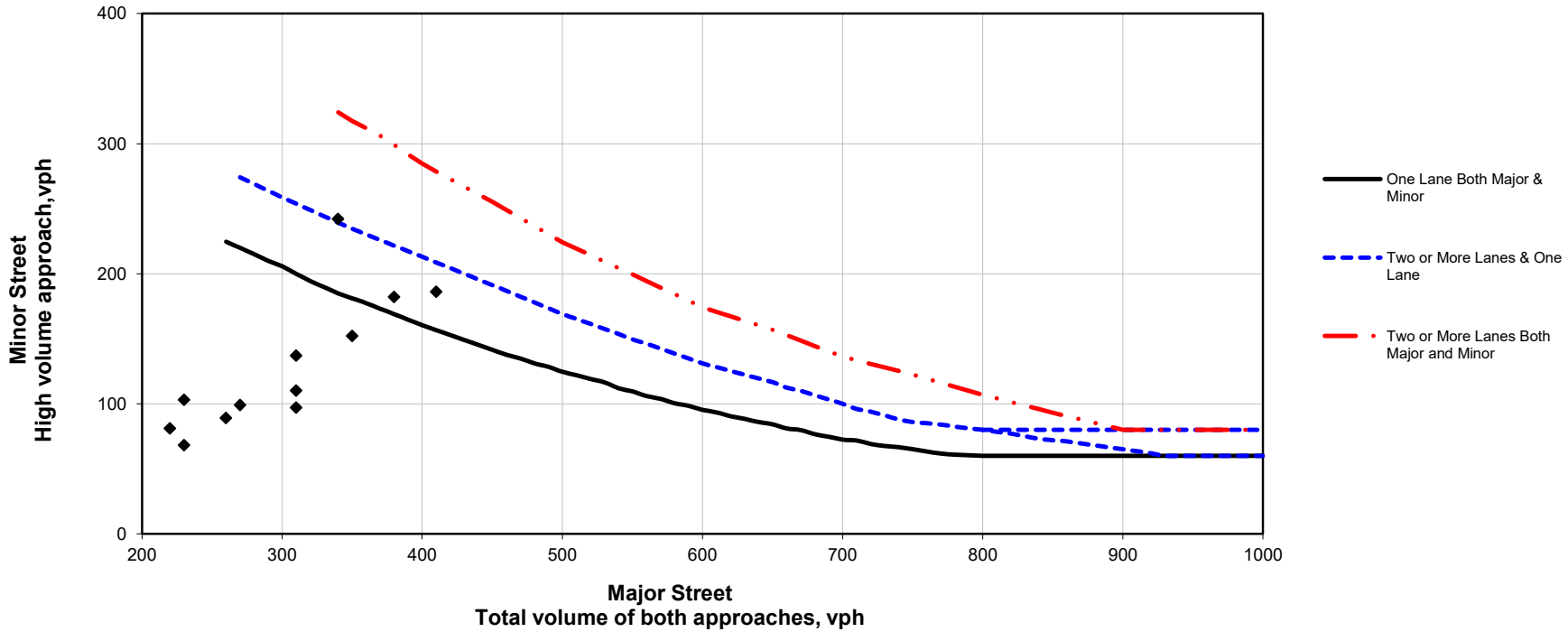
WARRANT 3 - PEAK HOUR VEHICULAR VOLUME **Warrant 3 Satisfied: No**

Warrant is satisfied if any hour satisfy the volume requirements depicted on the peak hour warranting graph **(see page 3)**, and ALL three of the following requirement are met. No. of Points Above Criteria Curve: 0

1. Total stopped time delay on Minor Street equals or exceeds 4 VHD (single lane) or 5 VHD (two lanes): N/A VHD Max. No
2. Volume on Minor Street equals or exceeds 100 vehicles (single lane) or 150 vehicles (two lanes): No
3. Total intersection volume serviced during the hour equals or exceeds 650 veh. (3-leg) or 800 veh. (4-leg or more): No

Figure 4C-2. Warrant 2, Four-Hour Vehicular Volume (70% Factor)

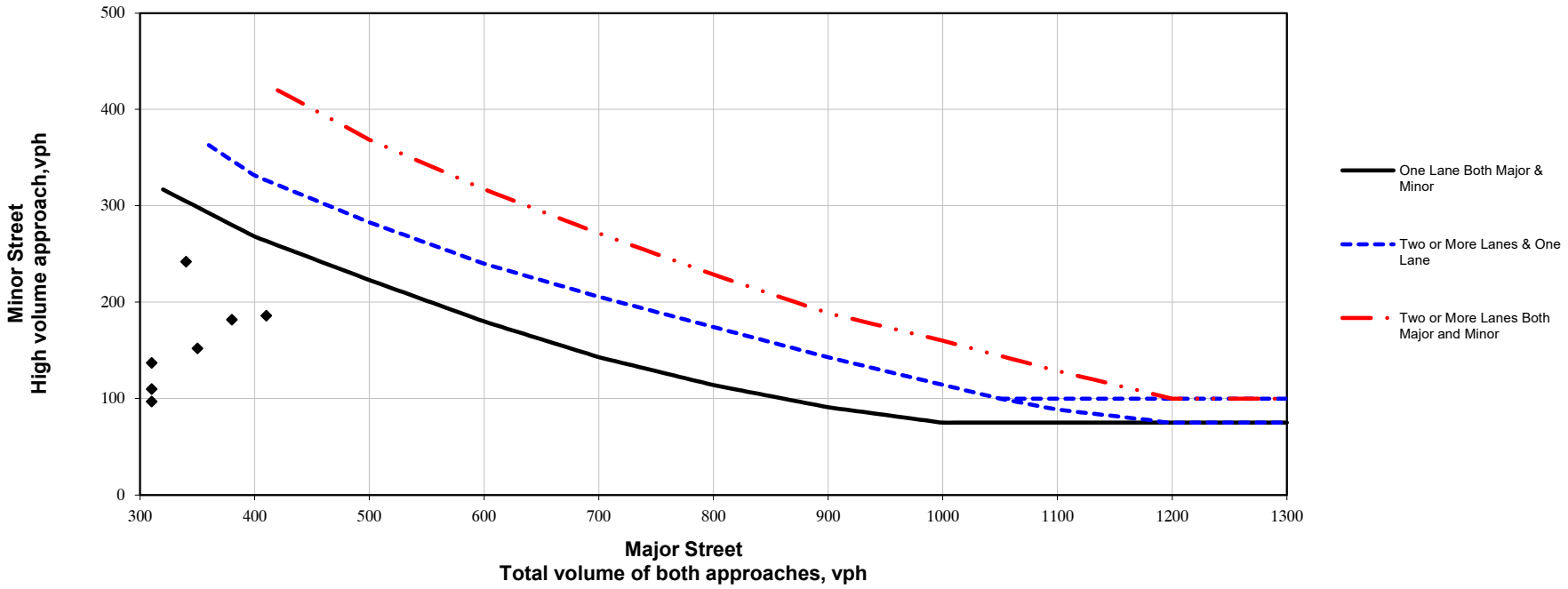
(COMMUNITY LESS THAN 10,000 POPULATION OR ABOVE 70 km/h (40 mph) ON MAJOR STREET)



Note: Points on graph represent hourly volumes. Points above the respective curve satisfy warrant, points below do not satisfy warrant.

Figure 4C-4. Warrant 3, Peak Hour (70% Factor)

(COMMUNITY LESS THAN 10,000 POPULATION OR ABOVE 70 km/h (40 mph) ON MAJOR STREET)



Note: Points on graph represent hourly volumes. Points above the respective curve satisfy warrant, points below do not satisfy warrant.

TRAFFIC SIGNAL WARRANT SUMMARY

Project: WNY-2300033.00 Strickler-Greiner Traffic Study
Condition: 2030 Build
Location: Clarence, NY
Date: December 10, 2024

Major Street: Greiner Rd
Lanes: 2
Critical Approach Speed: 45 mph
Minor Street: Strickler Rd
Lanes: 2

Volume Level Criteria

1. Is the critical speed of major street traffic greater than 40 mph? Yes
2. Is the intersection in a built-up area of an isolated community with population less than 10,000? No

If either Question 1 or Question 2 is answered "Yes", then use the 70% volume level. Criteria used: 70%

WARRANT 1 - EIGHT HOUR VEHICULAR VOLUME **Warrant 1 Satisfied: No**

Warrant 1 is satisfied if EITHER Condition A OR Condition B is 100% satisfied.
Warrant 1 is also satisfied if BOTH Condition A AND Condition B are satisfied to the 80% volume level.

			Condition 1A - Minimum Vehicular Volume (X indicates that criteria is met for specified condition)				Condition 1B - Interuption of Continuous Traffic (X indicates that criteria is met for specified condition)				Total Satisfied Hours (8 required)		
											1	0	0
Minimum Volume Criteria:			420	140	336	112	630	70	504	56	Condition	Condition	80% for
Start Time	Major St. Volume[1]	Minor St. Volume[2]	Major St. 100%	Minor St. 100%	Major St. 80%	Minor St. 80%	Major St. 100%	Minor St. 100%	Major St. 80%	Minor St. 80%	1A Satisfied	1B Satisfied	Both Satisfied
12:00 AM			-	-	-	-	-	-	-	-	-	-	-
1:00 AM			-	-	-	-	-	-	-	-	-	-	-
2:00 AM			-	-	-	-	-	-	-	-	-	-	-
3:00 AM			-	-	-	-	-	-	-	-	-	-	-
4:00 AM			-	-	-	-	-	-	-	-	-	-	-
5:00 AM			-	-	-	-	-	-	-	-	-	-	-
6:00 AM			-	-	-	-	-	-	-	-	-	-	-
7:00 AM	323	144	-	X	-	X	-	X	-	X	-	-	-
8:00 AM	351	248	-	X	X	X	-	X	-	X	-	-	-
9:00 AM	237	107	-	-	-	-	-	X	-	X	-	-	-
10:00 AM	233	85	-	-	-	-	-	X	-	X	-	-	-
11:00 AM	268	93	-	-	-	-	-	X	-	X	-	-	-
12:00 PM	285	104	-	-	-	-	-	X	-	X	-	-	-
1:00 PM	321	102	-	-	-	-	-	X	-	X	-	-	-
2:00 PM	325	115	-	-	-	X	-	X	-	X	-	-	-
3:00 PM	428	191	X	X	X	X	-	X	-	X	1	-	-
4:00 PM	400	189	-	X	X	X	-	X	-	X	-	-	-
5:00 PM	371	158	-	X	X	X	-	X	-	X	-	-	-
6:00 PM	249	73	-	-	-	-	-	X	-	X	-	-	-
7:00 PM			-	-	-	-	-	-	-	-	-	-	-
8:00 PM			-	-	-	-	-	-	-	-	-	-	-
9:00 PM			-	-	-	-	-	-	-	-	-	-	-
10:00 PM			-	-	-	-	-	-	-	-	-	-	-
11:00 PM			-	-	-	-	-	-	-	-	-	-	-

[1] Major Street Volume is the total combined volume of both mainline approaches.

[2] Minor Street volumes is the highest single side street approach volume.

WARRANT 2 - FOUR HOUR VEHICULAR VOLUME **Warrant 2 Satisfied: No**

Warrant is satisfied if four (4) or more hours satisfy the volume requirements depicted on the four hour warranting graph **(see page 2)**. No. of Points Above Criteria Curve: 3

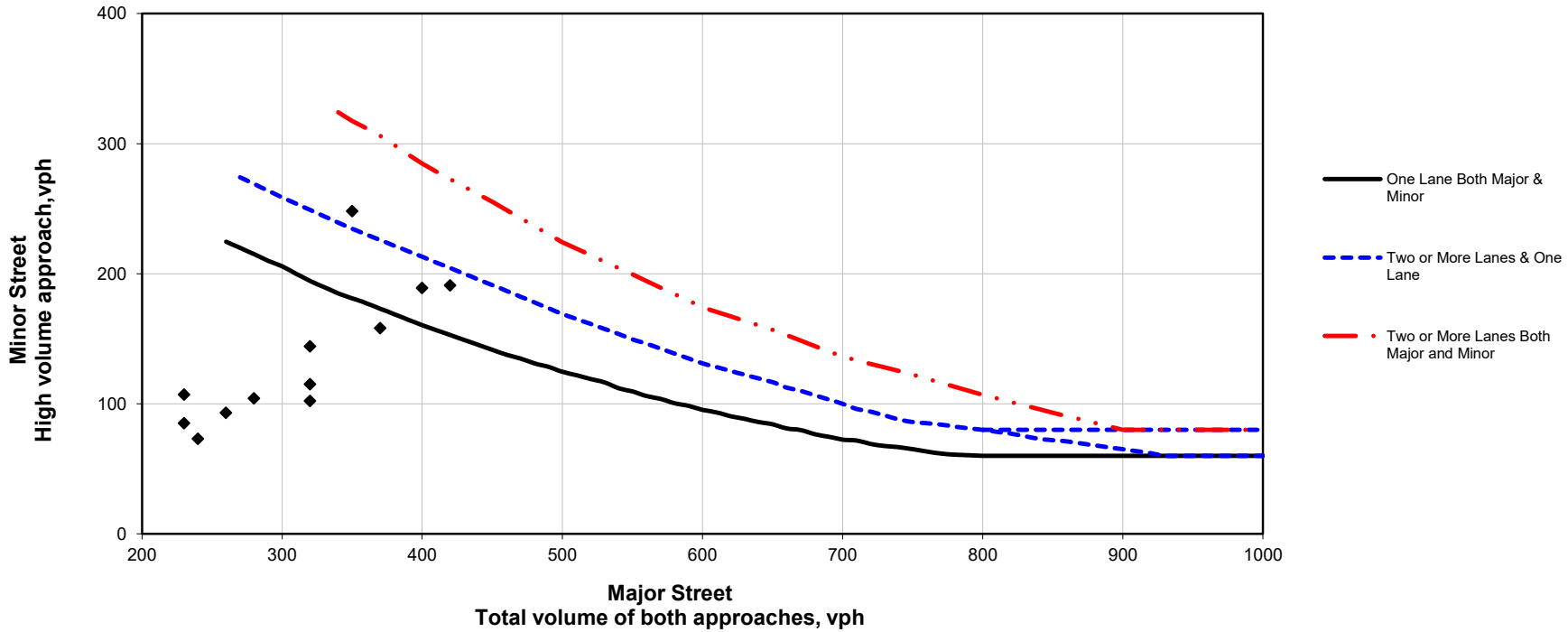
WARRANT 3 - PEAK HOUR VEHICULAR VOLUME **Warrant 3 Satisfied: No**

Warrant is satisfied if any hour satisfy the volume requirements depicted on the peak hour warranting graph **(see page 3)**, and ALL three of the following requirement are met. No. of Points Above Criteria Curve: 0

1. Total stopped time delay on Minor Street equals or exceeds 4 VHD (single lane) or 5 VHD (two lanes): N/A VHD Max. No
2. Volume on Minor Street equals or exceeds 100 vehicles (single lane) or 150 vehicles (two lanes): No
3. Total intersection volume serviced during the hour equals or exceeds 650 veh. (3-leg) or 800 veh. (4-leg or more): No

Figure 4C-2. Warrant 2, Four-Hour Vehicular Volume (70% Factor)

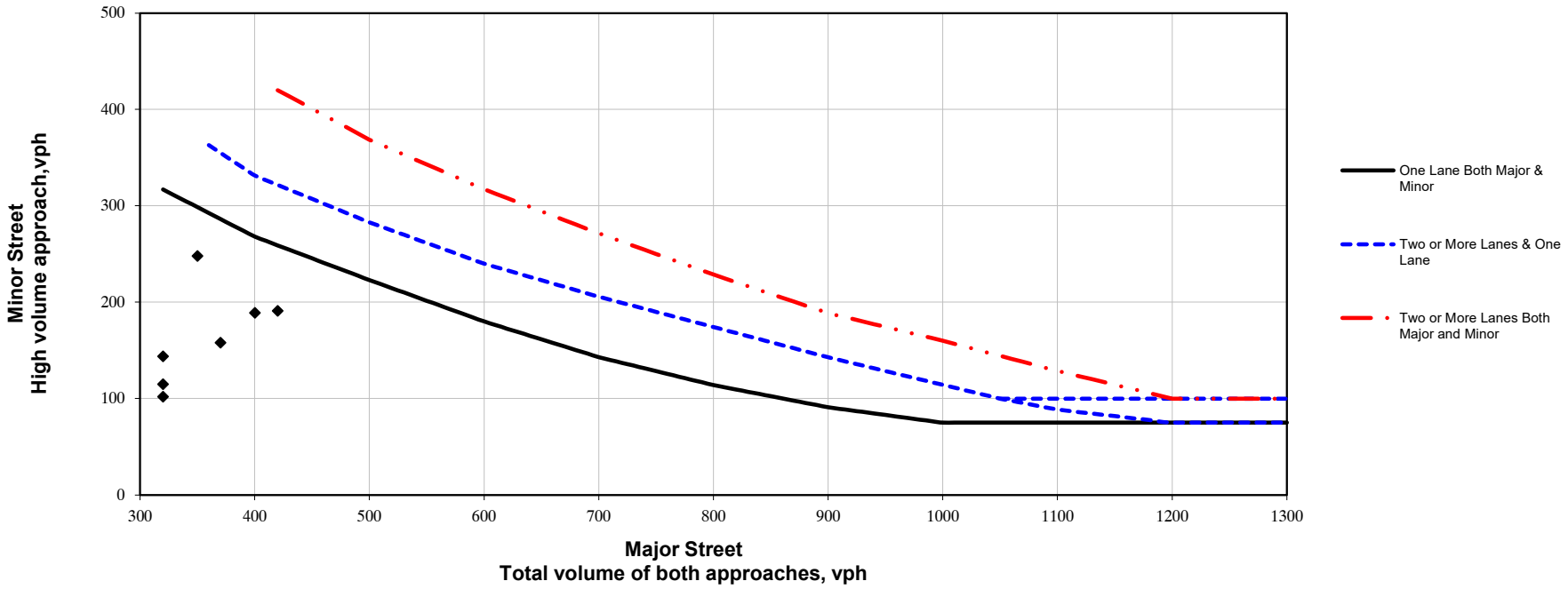
(COMMUNITY LESS THAN 10,000 POPULATION OR ABOVE 70 km/h (40 mph) ON MAJOR STREET)



Note: Points on graph represent hourly volumes. Points above the respective curve satisfy warrant, points below do not satisfy warrant.

Figure 4C-4. Warrant 3, Peak Hour (70% Factor)

(COMMUNITY LESS THAN 10,000 POPULATION OR ABOVE 70 km/h (40 mph) ON MAJOR STREET)



Note: Points on graph represent hourly volumes. Points above the respective curve satisfy warrant, points below do not satisfy warrant.

GPI

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DAVEY Resource Group

WETLAND DELINEATION REPORT

GREINER AND STRICKLER ROAD PARCELS
TOWN OF CLARENCE

PREPARED FOR
DESIGNER HOMES, LLC.

CLIENT:
DESIGNER HOMES, LLC.
9495 BENT GRASS RUN
CLARENCE, NEW YORK 14032

PROJECT NAME:
GREINER AND STRICKLER ROAD PARCELS

PROJECT LOCATION:
SBL 72.01-4-6, 7, 8, & 9
SOUTH OF AND ADJACENT TO GREINER ROAD
EAST OF AND ADJACENT TO STRICKLER ROAD
TOWN OF CLARENCE
ERIE COUNTY, NEW YORK

ACTION:
SECTION 404 WETLAND DELINEATION REPORT

PREPARED BY:
DAVEY RESOURCE GROUP, INC.
750 ENSMINGER, SUITE 100
TONAWANDA, NEW YORK 14150
OFFICE (716) 565-3000

DATE:
10 / 09 / 2023

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EXECUTIVE SUMMARY

Davey Resource Group, Inc. (DRG) has been retained by *Designer Homes, LLC* to evaluate and define wetlands subject to jurisdiction under Section 404 of the Clean Water Act and Article 24 of the New York State Environmental Conservation Law on lands located south of and adjacent to Greiner Road, and east of and adjacent to Strickler Road in the Town of Clarence, New York. Approximately 81.10± acres of land were delineated as the scope of this project.

DRG conducted the delineation of State and Federal wetlands during August and September 2023. As a result of the onsite field investigation two (2) wetlands were identified within the site. The wetland delineation results were based on the presence of hydric soils, hydrophytic vegetation, and wetland hydrology found within the project boundaries. The wetlands were flagged at the time of the fieldwork and the locations of the wetlands were recorded using a Trimble R1 GNSS Receiver with sub-meter accuracy. The site wetlands are depicted on the attached Wetland Map in Appendix D.

The subject parcel consists of a mixed successional woodland and scrub shrub community, with areas of dense scrub shrub vegetation further to the south. An intermittent tributary to Ransom Creek flows along the western boundary, until traveling offsite via a culvert under Greiner Road. A second tributary to Ransom Creek flows east from the western boundary in the northern area of the site, until it merges with the main channel of the tributary. Wetlands were found in the northern region of the site.

This report is intended for the use of the property owner(s), their agents and assigns as a planning aid in the development of this parcel. Results of the Wetland Delineation are subject to review by both the New York State Department of Environmental Conservation under Article 24 of the NYS Environmental Conservation Law, and the U.S. Army Corps of Engineers under Section 404 of the Clean Water Act, along with the Town of Clarence. This Wetland Delineation Report is a representation of DRG's assessment of Federal and State wetlands. The review of this document by the U.S. Army Corps of Engineers and State Department of Conservation could produce alterations in the delineated boundary as determined by DRG. The wetlands, as delineated by DRG, were completed to the best of our ability and in compliance with the guidelines presented in the Corps of Engineers Wetlands Delineation Manual Technical Report Y-87-1 (U.S. Waterways Experiment Station, 1987) and the *Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Northcentral and Northeast Region*, dated January 2012; accepted as the current methodology in delineation practice.

1.0 INTRODUCTION

Davey Resource Group, Inc. (DRG) has been retained by *Spauling Green, LLC* to evaluate and define wetlands subject to jurisdiction under Section 404 of the Clean Water on an 81.10± acre area in the Town of Clarence, Erie County, New York. This report presents the results of the on-site field investigation which was conducted to determine if the United States Army Corps of Engineers (USACE) and New York State Department of Environmental Conservation (NYSDEC) permit relative to Section 404 of the Clean Water Act and Article 24 of the New York State Environmental Conservation Law would be required for the development of the parcels. Based on the results of the investigation, DRG determined that two (2) wetlands are located within the site. The determination was based on the presence of hydric soils, hydrophytic vegetation, and wetland hydrology.

The subject parcel consists of a mixed successional woodland and scrub shrub community, with areas of dense scrub shrub vegetation further to the south. An intermittent tributary to Ransom Creek flows along the western boundary, until traveling offsite via a culvert under Greiner Road. A second tributary to Ransom Creek flows east from the western boundary in the northern area of the site, until it merges with the main channel of the tributary. Wetlands were found in low lying areas of the site, with poor drainage. The results of the Wetland Delineation were surveyed and are contained in Appendix D of this report.

1.1 CURRENT REGULATION

The Code of Federal Regulations defines a wetland as an area having hydric soils, wetland hydrology and supporting vegetation dominated by hydrophytes. All three of these criteria must be present for an area to qualify as a wetland. Hydrophytic vegetation has been defined as species which due to morphological, physiological, and/or reproductive adaptation(s), have the ability to grow, effectively compete, reproduce, and/or persist in anaerobic soil conditions. These species have been given an indicator status defining their probability of occurring in a wetland. These indicators statuses are defined as Obligate Wetland (OBL), Facultative Wetland (FACW) and Facultative (FAC). Non-hydrophytic species are assigned an indicator status of Facultative Upland (FACU) or Obligate Upland (UPL).

DRG performs wetland delineations in accordance with the 1987 *Corps of Engineers Wetland Delineation Manual* and the *Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Northcentral and Northeast Region*, dated January 2012. The development of this supplement follows the recommendations of the National Research Council to increase the regional sensitivity of wetland delineation methods.

With the issuance of the Federal Register, the U.S. Army Corps of Engineers reissued it Nationwide Permit program (NWP). The reason for the amendment was to reduce the impacts to wetland as well as reduce the regulatory effort expended in governing the activities associated with minimal environmental impacts. These amendments went into effect on March 23, 2022 when the Corps of Engineers reissued the existing NWPs.

The permit most often utilized by the public is the Nationwide Permit (NWP) for the discharge of dredge or fill material into non-tidal jurisdictional wetlands. This permit allows for the placement of dredged or fill material in non-tidal jurisdictional wetlands and open waters (e.g. rivers, streams, lakes, and ponds) as long as that discharge does not result in the loss (negative impact) of greater than 1/2 acres. An application must be submitted to the USACE for approval prior to any disturbance of jurisdictional area.

2.0 AGENCY RESOURCE INFORMATION

Prior to initiation of the on-site investigation, available environmental information was gathered and reviewed. The results of the review are summarized as follows.

2.1 USGS QUADRANGLE MAP (FIGURE 1)

The U.S. Geological Service has produced geological maps for every county of the United States. These maps are useful in wetland delineation for the purpose of identifying areas of concern within a parcel. In addition to civil works and boundaries, indicators of marshes, swamps, perennial and intermittent streams, and contours are depicted. The Clarence, NY Quadrangle was referenced for this site.

2.2 NATIONAL WETLANDS INVENTORY MAP (FIGURE 2)

NWI maps were produced by the U.S. Department of the interior, Fish and Wildlife Service in the years 1977 to present day. These maps provide the approximate configurations and community types of suspected Federal wetlands. Although they serve as useful guidelines, they are incomplete due to compilation methods primary utilizing aerial photography which contain an inherent margin of error, only reflect conditions the year in which they were taken and some wetlands areas too small of obscured by dense forest may not be depicted. The FWS Wetland Mapper was referenced for this site. Federal wetlands are mapped in the northwestern and northeastern regions of the parcel.

2.3 NYSDEC FRESHWATER WETLANDS MAP (FIGURE 3)

The New York State Department of Environmental Conservation (DEC) has developed criterion for wetland identification based on vegetation cover with minimum acreage requirements. Identified wetlands have been promulgated with the production and distribution of Freshwater Wetlands Maps (FWW). The boundaries of identified wetlands are approximations and require surveying of a field delineation performed by a DEC representative to determine exact boundaries and acreage. The NYSDEC Environmental Resource Mapper was referenced for this site. No NYS regulated wetlands are mapped within the subject site.

2.4 NRCS SOILS MAP (FIGURE 4)

The Natural Resources Conservation Service (former U.S. Soil Conservation Service) has performed a soils identification study on a county by county basis. Aerial photography plates have been utilized in conjunction with field testing to identify soil types and locations in various counties. The results have been compiled and published in county-specific Soil Surveys. Also included in the surveys is information pertaining to the various soils identified within the county which includes, but is not limited to, texture, range of chroma colors, range of mottle colors, subgroup and drainage classification. Most counties in New York State have been completed and published, though a few are still in progress. The NRCS Web Soil Survey along with the Soil Survey of Erie County was referenced to determine the likelihood of encountering soils with hydric characteristic or which may contain hydric inclusions.

The following soil series are mapped within the limits of the delineation area:

SYMBOL	SERIES	DRAINAGE
BfB	Benson very channery loam, 3 to 8 percent slopes	Somewhat Excessive
CgB	Cazenovia silt loam, 3 to 8 percent slopes	Moderately Well
NfA	Niagara silt loam, 0 to 3 percent slopes	Somewhat Poor
OvA	Ovid silt loam, 0 to 3 percent slopes	Somewhat Poor
OvB	Ovid silt loam, 3 to 8 percent slopes	Somewhat Poor
WaB	Wassaic silt loam, 3 to 8 percent slopes	Well
WcE	Wassaic-Rock outcrop complex, 25 to 40 percent slopes	Well to Excessively Well

The soil symbols associated with the detailed soils map indicates the soil series and the slope associated with that mapped unit. For example, Od identified the soil series as Odessa. The last capital letter of any symbol identifies the slope range for that soil unit. A represents a slope of 0 to 3 percent, B represents 3 to 8 percent slope, C represents 8 to 15 percent, D corresponds to a slope of 15 to 25 percent and E represents a slope of 25 to 35 percent. No third letter designation indicates no slope or nearly level.

The Benson series consists of shallow to limestone or calcareous shale, somewhat excessively and excessively drained soils on glaciated uplands. They formed in loamy till. Bedrock is at a depth of 10 to 20 inches. Permeability is moderate throughout the soil.

Cazenovia soils are very deep and deep, moderately well drained soils formed in loamy till. They are nearly level to very steep soils on till plains. Saturated hydraulic conductivity is moderately high to high in the surface layer and subsoil and moderately low to moderately high in the substratum. Slope ranges from 0 to 45 percent.

The Niagara series consists of very deep, somewhat poorly drained soils formed in silty glacio-lacustrine deposits. These soils are in level to slightly concave areas on lake plains and in valleys. Slope ranges from 0 to 15 percent.

The Ovid series consists of very deep, somewhat poorly drained soils formed in moderately fine textured, reddish colored till. Saturated hydraulic conductivity is moderately high to high in the mineral surface and subsurface layers, moderately high in the subsoil, and moderately low to moderately high in the substratum. Slope ranges from 0 to 15 percent.

The Wassaic series consists of moderately deep, well drained soils formed in loamy till. They are on bedrock controlled till plains. Bedrock is at depths of 20 to 40 inches. Permeability is moderate or moderately slow in the subsoil and substratum. Slope ranges from 0 to 50 percent.

2.5 AGENCY RESOURCE CONCLUSIONS

The mapping of federal wetlands and poorly drained soils indicated the necessity to perform a field investigation at the site to ascertain the extent of any federally protected wetlands that may exist on the parcel. The wetlands delineation was performed in accordance with the 1987 *Corps of Engineers Wetland Delineation Manual* and the *Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Northcentral and Northeast Region*, dated January 2012. Procedures, results and conclusions of the wetland delineation field study are presented in the remainder of this report.

3.0 SITE DESCRIPTION

The subject site consists of 81.10± acres of land situated south of and adjacent to Greiner Road and east of and adjacent to Strickler Road in the Town of Clarence, New York (Figure 1). The site is bordered to the south by The Congregation of the Sisters of Saint Joseph and a single family home, to the east by single family homes, to the west by Strickler Road, and to the north by Greiner Road. Successional woodlands exist throughout the site. Two tributaries to Ransom Creek exist on the parcel, with the main channel flowing south to north, and a smaller channel flowing west to east.

The topography of the site rises significantly in the southern region of the site, and slopes gradually to the north. The highest elevation within the site is approximately 793 feet AMSL (Above Mean Sea Level) near the southern boundary, sloping down to 674 feet AMSL near the stream channel in the north, according to the USGS the Clarence, NY Quadrangle (Figure 1).

3.1 SITE ECOLOGY

The northern area of the site is a successional forested area which gives way to a dense shrubby vegetation community as you progress south. Successional communities occur on sites that have been cleared (for farming, logging, development, etc.) or otherwise disturbed, and then abandoned and left to repopulate with highly competitive native and invasive species.

Upland areas of the site are dominated by *Acer saccharum* (Sugar maple, FACU), *Fraxinus americana* (White ash, FACU), *Fagus grandifolia* (American beech, FACU) in the tree stratum; with *Lonicera tatarica* (Twinsisters, FACU), *Rubus idaeus* (Common red raspberry, FACU), and *Rosa multiflora* (Rambler rose, FACU) in the shrub stratum. Dominant species identified in the herbaceous stratum include *Fragaria virginiana* (Virginia strawberry, FACU), *Agrimonia parviflora* (Harvestslice, FAC), and *Solidago canadensis* (Canada goldenrod, FACU).

Wetland A is classified as a palustrine, forested, broad leaved deciduous wetland with seasonally saturated soils (PFO1B). Dominant species identified in Wetland A includes *Acer saccharinum* (Silver maple, FACW), *Ulmus americana* (American elm, FACW), and *Fraxinus pennsylvanica* (Green ash, FACW) in the tree stratum, with *Fraxinus pennsylvanica* (Green ash, FACW), and *Ulmus americana* (American elm, FACW) dominant in the shrub stratum. Dominant species identified in the herbaceous stratum include *Scirpus cyperinus* (Cottongrass bulrush, OBL), *Carex lurida* (Shallow sedge, OBL), and *Agrimonia parviflora* (Harvestlice, FAC).

Wetland B is classified as a palustrine, scrub shrub, broad leaved deciduous wetland with seasonally saturated soils (PSS1B). Dominant species identified in Wetland B includes *Fraxinus pennsylvanica* (Green ash, FACW) in the tree stratum, with *Cornus racemosa* (Gray dogwood, FAC) dominant in the shrub stratum. Dominant species identified in the herbaceous stratum include *Glyceria melicaria* (Melic mannagrass, OBL), *Euthamia graminifolia* (Flat top goldentop, FAC), and *Juncus torreyi* (Torrey's rush, FACW).

A complete list of vegetation identified on both parcels is presented in *Table 1* of this report.

4.0 METHODS

The Corps of Engineers Wetlands Delineation Manual (Environmental Laboratory 1987) and Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Northcentral and Northeast Region (U.S. Army Corps of Engineers 2012) were used in delineating wetlands within the study area. The water resources were delineated and surveyed in August and September 2023. The water resources delineation fieldwork, boundary mapping, and data analysis were performed by Ryan Feickert and Daniel Wilson.

Streams are identified as linear, flowing water features with a defined bed and bank. Streams are classified as ephemeral, intermittent, or perennial based upon flow regime. Ephemeral streams have flowing water only during, and for a short duration after, precipitation events. Intermittent streams have flowing water during certain times of the year, when groundwater and rainfall provide water for stream flow. During dry periods, intermittent streams may not have flowing water. Perennial streams have flowing water year-round, receiving water from groundwater and rainfall runoff.

Wetlands are identified based on three criteria: vegetation, soils, and hydrology. An area must meet all three criteria to be considered a jurisdictional wetland. Three sampling points were established in the field to determine wetlands boundaries. Data sheets reporting the results of vegetation, soils, and hydrology analyses were completed for each sample point and are located in Appendix B.

Soil samples were obtained to determine the extent of hydric soils on the site. A standard Munsell soil color chart was used to determine the chroma, hue, and value of each soil sample. Soil samples were taken to a depth to adequately make a hydric soil determination. Criteria established by the National Technical Committee for Hydric Soils (1991) were used to determine hydric soils.

Wetland hydrology was characterized during this water resources delineation. Inundation and/or soil saturation were noted for each sample point. Other primary or secondary hydrological indicators, including watermarks, drift lines, sediment deposits, wetlands drainage patterns, blackened leaves, morphological indicators, iron/manganese concretions, and oxidized root zones within the upper soil layers, were documented, if observed.

Quantitative vegetation data were collected at each sampling point. Dominance was estimated by percent areal cover. Four strata were considered for each sample point—trees, saplings/shrubs, herbs, and woody vines. Trees were defined as any woody plant having a diameter at breast height (DBH) greater than 3.0 inches. Saplings and shrubs were those woody plants with a DBH of less than 3.0 inches and greater than 3.2 feet in height. For each stratum, plant species within a plot were identified and percent areal cover was estimated for each species. Thirty-foot-radius plots were used for trees and vines; 15-foot-radius plots were used for saplings and shrubs; and 5-foot-radius plots were used for herbs.

Any species within a stratum comprising 20% or more of the total plot areal cover was considered to be dominant. Dominant species within all strata were then added to determine the percentage of wetlands vegetation for each sample point. The wetlands vegetation criterion was met if greater than 50% of the dominant vegetation was indicative of wetlands conditions.

Species identifications were based on Braun (1989) and Gleason and Cronquist (1991). Lichvar et al. (2016) was used to assign indicator statuses to each identified species. Plants with an indicator status of obligate (OBL), facultative wetland (FACW), or facultative (FAC) were considered to be indicative of wetlands conditions. Plants with an indicator status of facultative upland (FACU) or upland (UPL) were considered to be indicative of upland conditions. Plants that could only be identified to genus were sometimes assigned an indicator status based on the professional judgment of Davey Resource Group. These plants were classified as wetlands indicator species (WIS) or upland indicator species (UIS). See Appendix H for a more detailed explanation of wetlands vegetation indicator statuses.

Marking flags were placed at necessary points around each wetland to accurately depict the wetland/upland boundary. The location of each flag was mapped using a Trimble® R1 Global Navigation Satellite System or GNSS (GPS, GLONASS, SBAS [WAAS]) receiver. It has 220 channels and runs professional TerraSync™ software capable of submeter accuracy after differential correction. Accuracy and reliability may be subject to anomalies due to multipath, obstructions, satellite geometry, and atmospheric conditions and as such a specific accuracy cannot be guaranteed in those situations.

The sample points, which support the location of the wetland/upland perimeter, were labeled with the first letter representing the wetland being sampled; the following number corresponds to the boundary flag in between the sample pair; the second letter signifies whether it is an upland (U) or wetland (W) sample; and the final number represents the order in which the samples were taken. Information on vegetation, soils, and hydrology was collected at each sample point and recorded on field data forms which are included as Appendix B of this report.

5.0 RESULTS & CONCLUSIONS

5.1 RESULTS

Fieldwork for the federal delineation was conducted during the weeks of August 29th and September 13th. A total of eighteen (18) field points were sampled and recorded which support the location of the wetland/upland boundary (Appendix B). Based on the results of the sampling, two (2) wetlands were identified on the subject parcel.

Wetland A is located in the north-central region of the site. Wetland A is classified as a palustrine, forested, broad leaved deciduous wetland with seasonally saturated soils (PFO1B). Dominant species identified in Wetland A includes *Acer saccharinum* (Silver maple, FACW), *Ulmus americana* (American elm, FACW), and *Fraxinus pennsylvanica* (Green ash, FACW) in the tree stratum, with *Fraxinus pennsylvanica* (Green ash, FACW), and *Ulmus americana* (American elm, FACW) dominant in the shrub stratum. Dominant species identified in the herbaceous stratum include *Scirpus cyperinus* (Cottongrass bulrush, OBL), *Carex lurida* (Shallow sedge, OBL), and *Agrimonia parviflora* (Harvestlice, FAC). Hydrology in Wetland A derives from precipitation, poor drainage, topography, and run off from surrounding uplands. Positive hydrology indicators identified in Wetland A include sparsely vegetated concave surfaces, water-stained leaves, oxidized rhizospheres on living roots, surface water up to a depth of 2 inches, a high water table, saturated soil conditions water marks on vegetation, water stained leaves, and testing positive for the FAC neutral test. The area of Wetland A totals 5.19± acres.

Wetland B is located in the northwestern region of the parcel. Wetland B is classified as a palustrine, scrub shrub, broad leaved deciduous wetland with seasonally saturated soils (PSS1B). Dominant species identified in Wetland B includes *Fraxinus pennsylvanica* (Green ash, FACW) in the tree stratum, with *Cornus racemosa* (Gray dogwood, FAC) dominant in the shrub stratum. Dominant species identified in the herbaceous stratum include *Glyceria melicaria* (Melic mannagrass, OBL), *Euthamia graminifolia* (Flat top goldentop, FAC), and *Juncus torreyi* (Torrey's rush, FACW). Hydrology in Wetland B appears to be derived from precipitation, micro-topographical relief, and hydric soil inclusions. Positive hydrology indicators identified in Wetland B include a high water table, saturated soil conditions, oxidized rhizospheres on living roots, and testing positive for the FAC neutral test. The area of Wetland B totals 1.21± acres.

Soils sampled in wetland areas of the site corresponded well with the Ovid series. The Ovid series consists of very deep, somewhat poorly drained soils formed in moderately fine textured, reddish colored till. Saturated hydraulic conductivity is moderately high to high in the mineral surface and subsurface layers, moderately high in the subsoil, and moderately low to moderately high in the substratum. Slope ranges from 0 to 15 percent.

Soils sampled in upland areas of the site corresponded well with the Cazenovia series. Cazenovia soils are very deep and deep, moderately well drained soils formed in loamy till. They are nearly level to very steep soils on till plains. Saturated hydraulic conductivity is moderately high to high in the surface layer and subsoil and moderately low to moderately high in the substratum. Slope ranges from 0 to 45 percent.

5.2 CONCLUSIONS

Based on the results of the field investigation, two (2) wetlands have been identified on the parcel. The wetland areas are best defined as:

Wetlands	Cover Type	Connectivity to Waters of the U.S.[1]	Area (Acres)	Latitude/ Longitude
A	Forested	Yes	5.19	42.98761/ -78.60491
B	Forested	No	1.21	42.98714/ -78.60671

Wetland A is located in the north-central region of the site and exists entirely within the subject parcel. Wetland A adjoins the tributary to Ransom Creek and therefore connects to a regulated Water of the United States.

Wetland B is located in the northwestern region of the site and exists entirely within the subject parcel. Wetland B appears to be isolated and was not observed connecting to regulated waters of the United States or other on-site wetlands.

Stream	Flow Regime	Length (Linear Feet)	Latitude/Longitude
1	Intermittent	2,217	42.98552, - 78.60611
2	Intermittent	321	42.98806, - 78.60677

Stream 1 consists of 2,217-linear feet of Intermittent stream, which begins at the southern border of the parcel and flows north along the western parcel boundary. Stream 1 is a tributary to Ransom Creak and flows north offsite via a culvert under Greiner Road.

Stream 2 consists of 321-linear feet of Intermittent stream, which begins at the northwestern region of the parcel and flows east along the northern parcel boundary. Stream 1 is a tributary to Ransom Creak and flows east until merging with Stream 1 and flowing north offsite.

The New York State Department of Environmental Conservation requires a wetland be 12.4 acres in order to regulate under Article 24 of the Freshwater Wetlands Act. Therefore, the on-site wetlands are not regulated by the NYSDEC.

Davey Resource Group is confident that all jurisdictional wetlands and drainageways were identified on this site. No unusual or problem areas were found. All water resource studies conducted by Davey Resource Group are objective and based strictly on professional judgment. Davey Resource Group and its employees have no vested interest in this property or the proposed project.

All wetland delineations must be verified by the U.S. Army Corps of Engineers and New York State Department of Environmental Conservation to be considered official. This wetlands delineation is reflective of environmental conditions at the time the fieldwork was performed. Wetlands are dynamic natural systems; therefore, boundaries may change slightly over time.

As a result of our investigation, it is our professional opinion that Stream 1 and 2 are jurisdictional waters of the United States Army Corp of Engineers as they are semi-permanent waters of the United States. Wetland A is also a jurisdictional water of the United States as it was observed adjoining Stream 1. Wetland B is not jurisdictional due to being isolated within the area and not connecting to other jurisdictional waters of the United States. It is the responsibility of the U.S. Army Corps of Engineers to verify the wetland boundary and make a jurisdictional determination.

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Table 1

Vegetation Table

TABLE 1

Vegetation Identified
During Wetland Delineation

Scientific Name	Common Name	Federal Status
Herbaceous		
Agrimonia gryposepala	Tall Hairy Grooveburr	FACU
Agrimonia parviflora	Harvestlice	FAC
Agrimonia striata	Woodland Grooveburr	FACU
Andropogon gerardii	Big Bluestem	FACU
Carex intumescens	Greater Bladder Sedge	FACW
Carex laxiflora	Broad Loose-Flower Sedge	UPL
Carex lurida	Shallow Sedge	OBL
Carex scoparia	Pointed Broom Sedge	FACW
Cinna arundinacea	Sweet Wood-Reed	FACW
Crataegus monogyna	English Hawthorn	FACU
Euthamia graminifolia	Flat-Top Goldentop	FAC
Fragaria virginiana	Virginia Strawberry	FACU
Geum canadense	White Avens	FAC
Glyceria melicaria	Melic Manna Grass	OBL
Holcus lanatus	Common Velvet Grass	FACU
Juncus torreyi	Torrey's Rush	FACW
Lysimachia nummularia	Creeping-Jenny	FACW
Onoclea sensibilis	Sensitive Fern	FACW
Parthenocissus quinquefolia	Virginia-Creeper	FACU
Persicaria virginiana	Jumpseed	FAC
Phleum pratense	Common Timothy	FACU
Phragmites australis	Common Reed	FACW
Ranunculus acris	Tall Buttercup	FAC
Rhamnus cathartica	European Buckthorn	FAC
Rubus idaeus	Common Red Raspberry	FACU
Scirpus cyperinus	Cottongrass Bulrush	OBL
Solidago altissima	Tall Goldenrod	FACU
Solidago canadensis	Canadian Goldenrod	FACU
Solidago rugosa	Wrinkle-Leaf Goldenrod	FAC
Symphyotrichum lanceolatum	White Panicled American-Aster	FACW
Symphyotrichum lateriflorum	Farewell-Summer	FAC
Symphyotrichum pilosum	White Oldfield American-Aster	FACU
Toxicodendron radicans	Eastern Poison Ivy	FAC
Ulmus americana	American Elm	FACW
Shrub		
Cornus racemosa	Gray Dogwood	FAC
Frangula alnus	Glossy False Buckthorn	FAC
Lonicera canadensis	American Fly-Honeysuckle	FACU

Shrub (Cont.)

Lonicera tatarica	Twinsisters	FACU
Rosa multiflora	Rambler Rose	FACU

Tree

Acer rubrum	Red Maple	FAC
Acer saccharinum	Silver Maple	FACW
Acer saccharum	Sugar Maple	FACU
Carya cordiformis	Bitter-Nut Hickory	FAC
Carya ovata	Shag-Bark Hickory	FACU
Fagus grandifolia	American Beech	FACU
Fraxinus americana	White Ash	FACU
Fraxinus pennsylvanica	Green Ash	FACW
Ostrya virginiana	Eastern Hop-Hornbeam	FACU
Pinus strobus	Eastern White Pine	FACU
Quercus macrocarpa	Burr Oak	FACU
Quercus rubra	Northern Red Oak	FACU

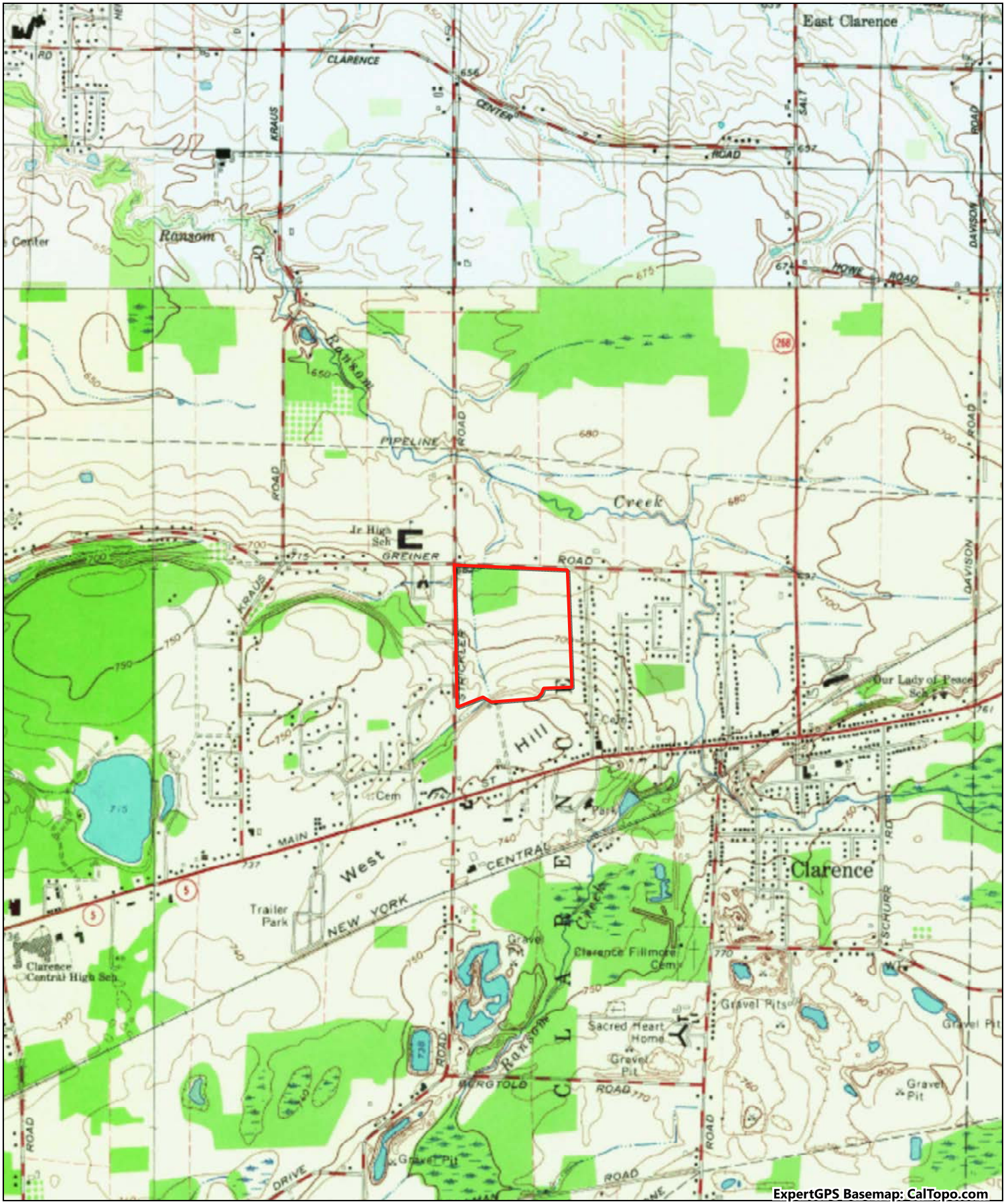
Vine

Vitis aestivalis	Summer Grape	FACU

Appendix A

Maps & Figures

DAVEY®
Resource Group



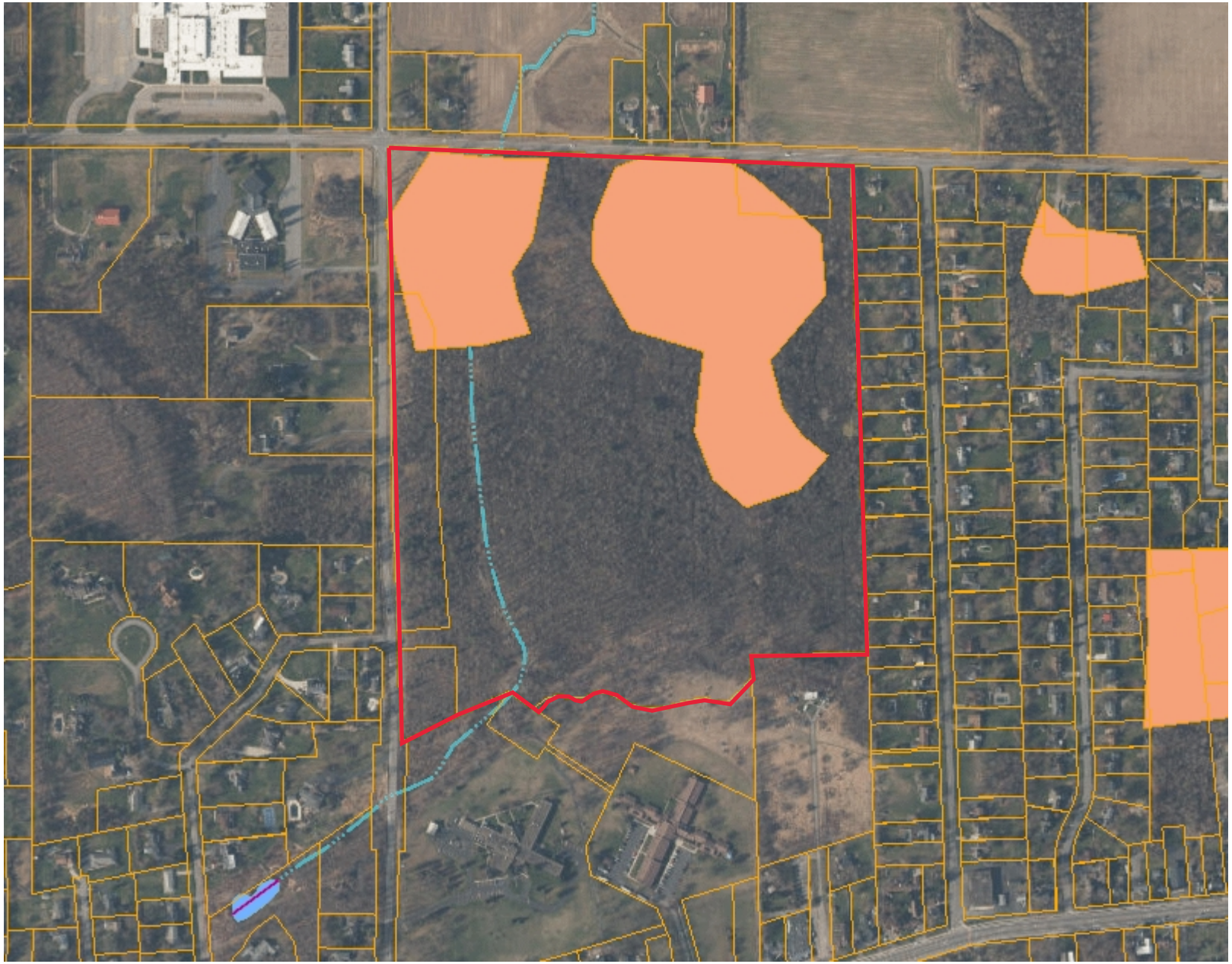
DAVEY Resource Group

Figure 1: Clarence, NY Quadrangle

Scale 1:24,000

MN
10°35'

Erie County On-Line Mapping Application



Legend

- Parcels
- National Wetlands Inventory

Flowline - Large Scale

- Perennial
- Intermittent
- Ephemeral
- Artificial Path
- Canal Ditch
- Coastline
- Connector
- Pipeline
- Underground Conduit

Area - Large Scale

- Area of Complex Channels
- Area to be Submerged
- BayInlet
- Bridge
- CanalDitch
- DamWeir
- Flume
- Foreshore
- Hazard Zone
- Inundation Area
- Lock Chamber

DAVEY Resource Group

0 0.14 0.3 Miles

WGS_1984_Web_Mercator_Auxiliary_Sphere

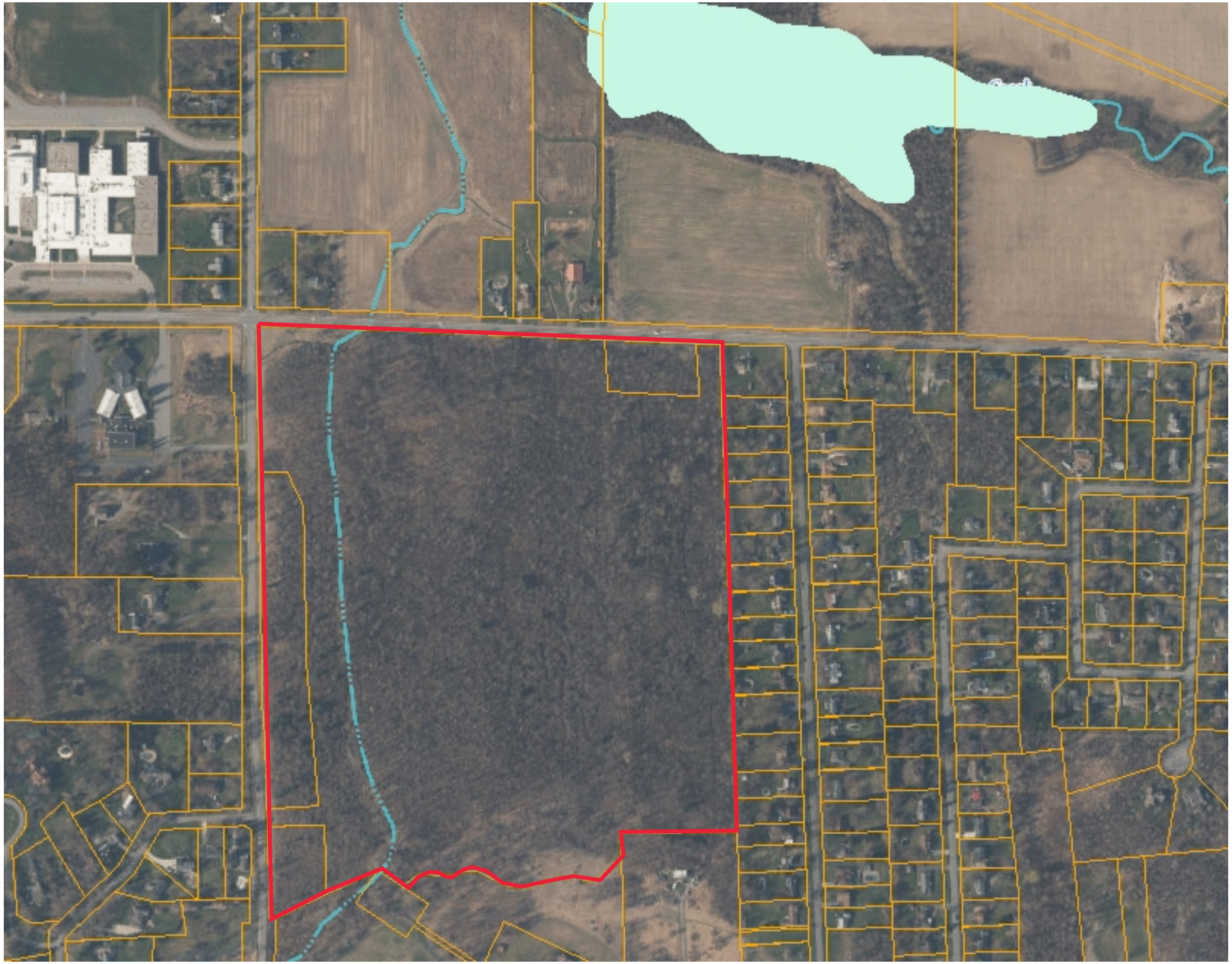
THIS MAP IS NOT TO BE USED FOR NAVIGATION

ERIE COUNTY
DEPARTMENT OF ENVIRONMENT & PLANNING
OFFICE OF GIS

This map is a user generated static output from an Internet mapping site and is for reference only. Data layers that appear on this map may or may not be accurate, current, or otherwise reliable.

1: 9,028

Erie County On-Line Mapping Application



Legend

- Parcels
- DEC Wetlands

Flowline - Large Scale

- Perennial
- Intermittent
- Ephemeral
- Artificial Path
- Canal Ditch
- Coastline
- Connector
- Pipeline
- Underground Conduit

Area - Large Scale

- Area of Complex Channels
- Area to be Submerged
- BayInlet
- Bridge
- CanalDitch
- DamWeir
- Flume
- Foreshore
- Hazard Zone
- Inundation Area
- Lock Chamber

DAVEY Resource Group

0 0.14 0.3 Miles

WGS_1984_Web_Mercator_Auxiliary_Sphere

THIS MAP IS NOT TO BE USED FOR NAVIGATION

ERIE COUNTY
DEPARTMENT OF ENVIRONMENT & PLANNING
OFFICE OF GIS

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1: 9,028

Hydric Rating by Map Unit—Erie County, New York
(Figure 4: NRCS Soil Survey)

Map Scale: 1:4,310 if printed on A portrait (8.5" x 11") sheet.

N

Meters
0 50 100 200 300

Feet
0 200 400 800 1200

Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 17N WGS84

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.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL:
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Erie County, New York
Survey Area Data: Version 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.

Hydric Rating by Map Unit

Map unit symbol	Map unit name	Rating	Acres in AOI	Percent of AOI
BfB	Benson very channery loam, 3 to 8 percent slopes	0	1.4	1.8%
CgB	Cazenovia silt loam, 3 to 8 percent slopes	0	18.7	22.8%
NfA	Niagara silt loam, 0 to 3 percent slopes	5	13.8	16.8%
OvA	Ovid silt loam, 0 to 3 percent slopes	5	15.8	19.2%
OvB	Ovid silt loam, 3 to 8 percent slopes	5	20.9	25.4%
WaB	Wassaic silt loam, 3 to 8 percent slopes	0	8.5	10.4%
WcE	Wassaic-Rock outcrop complex, 25 to 40 percent slopes	0	3.1	3.7%
Totals for Area of Interest			**82.2**	**100.0%**

Description

This rating indicates the percentage of map units that meets the criteria for hydric soils. Map units are composed of one or more map unit components or soil types, each of which is rated as hydric soil or not hydric. Map units that are made up dominantly of hydric soils may have small areas of minor nonhydric components in the higher positions on the landform, and map units that are made up dominantly of nonhydric soils may have small areas of minor hydric components in the lower positions on the landform. Each map unit is rated based on its respective components and the percentage of each component within the map unit.

The thematic map is color coded based on the composition of hydric components. The five color classes are separated as 100 percent hydric components, 66 to 99 percent hydric components, 33 to 65 percent hydric components, 1 to 32 percent hydric components, and less than one percent hydric components.

In Web Soil Survey, the Summary by Map Unit table that is displayed below the map pane contains a column named 'Rating'. In this column the percentage of each map unit that is classified as hydric is displayed.

Hydric soils are defined by the National Technical Committee for Hydric Soils (NTCHS) as soils that formed under conditions of saturation, flooding, or ponding long enough during the growing season to develop anaerobic conditions in the upper part (Federal Register, 1994). Under natural conditions, these soils are either saturated or inundated long enough during the growing season to support the growth and reproduction of hydrophytic vegetation.

The NTCHS definition identifies general soil properties that are associated with wetness. In order to determine whether a specific soil is a hydric soil or nonhydric soil, however, more specific information, such as information about the depth and duration of the water table, is needed. Thus, criteria that identify those estimated soil properties unique to hydric soils have been established (Federal Register, 2002). These criteria are used to identify map unit components that normally are associated with wetlands. The criteria used are selected estimated soil properties that are described in "Soil Taxonomy" (Soil Survey Staff, 1999) and "Keys to Soil Taxonomy" (Soil Survey Staff, 2006) and in the "Soil Survey Manual" (Soil Survey Division Staff, 1993).

If soils are wet enough for a long enough period of time to be considered hydric, they should exhibit certain properties that can be easily observed in the field. These visible properties are indicators of hydric soils. The indicators used to make onsite determinations of hydric soils are specified in "Field Indicators of Hydric Soils in the United States" (Hurt and Vasilas, 2006).

References:

Federal Register. July 13, 1994. Changes in hydric soils of the United States.

Federal Register. September 18, 2002. Hydric soils of the United States.

Hurt, G.W., and L.M. Vasilas, editors. Version 6.0, 2006. Field indicators of hydric soils in the United States.

Soil Survey Division Staff. 1993. Soil survey manual. Soil Conservation Service. U.S. Department of Agriculture Handbook 18.

Soil Survey Staff. 1999. Soil taxonomy: A basic system of soil classification for making and interpreting soil surveys. 2nd edition. Natural Resources Conservation Service. U.S. Department of Agriculture Handbook 436.

Soil Survey Staff. 2006. Keys to soil taxonomy. 10th edition. U.S. Department of Agriculture, Natural Resources Conservation Service.

Rating Options

Aggregation Method: Percent Present

Component Percent Cutoff: None Specified

Tie-break Rule: Lower

Appendix B

Field Data Forms

DAVEY®
Resource Group

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: Greiner and Stricler Parcels City/County: Clarence, Erie Sampling Date: 2023-08-29

Applicant/Owner: Designer Homes, LLC State: New York Sampling Point: UPL1

Investigator(s): R. Feickert and D. Wilson Section, Township, Range: _____

Landform (hillslope, terrace, etc.): _____ Local relief (concave, convex, none): _____ Slope (%): _____

Subregion (LRR or MLRA): L 101 Lat: 42.98466347 Long: -78.60543016 Datum: WGS 84

Soil Map Unit Name: Ovid silt loam, 3 to 8 percent slopes (OvB) NWI classification: _____

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

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

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

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

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

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

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 Vis ble 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 ✔	Depth (inches): _____
Water Table Present?	Yes _____	No ✔	Depth (inches): _____
Saturation Present? (includes capillary fringe)	Yes _____	No ✔	Depth (inches): _____

Wetland Hydrology Present? **Yes** _____ **No** ✔

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

Remarks:

VEGETATION – Use scientific names of plants. Sampling Point: UPL1

Tree Stratum (Plot size: 30 ft r)	Absolute % Cover	Dominant Species?	Indicator Status
1. Fraxinus pennsylvanica	10	✔	FACW
2.			
3.			
4.			
5.			
6.			
7.			
	10% = Total Cover		
Sapling/Shrub Stratum (Plot size: 15 ft r)			
1. Lonicera tatarica	20	✔	FACU
2. Rhamnus cathartica	20	✔	FAC
3. Rubus idaeus	10	✔	FACU
4.			
5.			
6.			
7.			
	50% = Total Cover		
Herb Stratum (Plot size: 5 ft r)			
1. Onoclea sensibilis	25	✔	FACW
2. Solidago altissima	20	✔	FACU
3. Lysimachia nummularia	10		FACW
4. Parthenocissus quinquefolia	10		FACU
5. Toxicodendron radicans	5		FAC
6.			
7.			
8.			
9.			
10.			
11.			
12.			
	70% = Total Cover		
Woody Vine Stratum (Plot size: 30 ft r)			
1.			
2.			
3.			
4.			
	= 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: 6 (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	45	x 2 =	90
FAC species	25	x 3 =	75
FACU species	60	x 4 =	240
UPL species	0	x 5 =	0
Column Totals:	130 (A)		405 (B)

Prevalence Index = B/A = 3.1

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 or equal to 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.

Hydrophytic Vegetation Present? Yes ____ No ✔

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

SOIL

Sampling Point: UPL1

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0 - 16	10YR 4/2	100					Silt Loam	
16 - 20	10YR 4/3	90	7.5YR 5/6	10	C	M	Silt Loam	
-								
-								
-								
-								
-								
-								
-								
-								
-								
-								

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked 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**)
- ___ 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 (F21)
- ___ 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: _____

Depth (inches): _____

Hydric Soil Present? **Yes** _____ **No** ✔

Remarks:

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: Greiner and Stricler Parcels City/County: Clarence, Erie Sampling Date: 2023-09-11

Applicant/Owner: Designer Homes, LLC State: New York Sampling Point: UPL2

Investigator(s): R. Feickert and D. Wilson Section, Township, Range: _____

Landform (hillslope, terrace, etc.): _____ Local relief (concave, convex, none): _____ Slope (%): _____

Subregion (LRR or MLRA): L 101 Lat: 42.98263302 Long: -78.60631481 Datum: WGS 84

Soil Map Unit Name: Wassaic silt loam, 3 to 8 percent slopes (WaB) NWI classification: _____

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

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

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

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

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

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

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 Vis ble 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 ✔	Depth (inches): _____
Water Table Present?	Yes _____	No ✔	Depth (inches): _____
Saturation Present? (includes capillary fringe)	Yes _____	No ✔	Depth (inches): _____

Wetland Hydrology Present? **Yes** _____ **No** ✔

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

Remarks:

VEGETATION – Use scientific names of plants. Sampling Point: UPL2

Tree Stratum (Plot size: 30 ft r)	Absolute % Cover	Dominant Species?	Indicator Status
1. Crataegus monogyna	5	✔	FACU
2.			
3.			
4.			
5.			
6.			
7.			
	5%	= Total Cover	
Sapling/Shrub Stratum (Plot size: 15 ft r)			
1. Frangula alnus	10	✔	FAC
2. Rosa multiflora	10	✔	FACU
3. Fraxinus pennsylvanica	5	✔	FACW
4.			
5.			
6.			
7.			
	25%	= Total Cover	
Herb Stratum (Plot size: 5 ft r)			
1. Agrimonia parviflora	40	✔	FAC
2. Solidago rugosa	20	✔	FAC
3. Symphyotrichum lateriflorum	20	✔	FAC
4. Scirpus cyperinus	5		OBL
5. Toxicodendron radicans	5		FAC
6.			
7.			
8.			
9.			
10.			
11.			
12.			
	90%	= Total Cover	
Woody Vine Stratum (Plot size: 30 ft r)			
1.			
2.			
3.			
4.			
		= Total Cover	

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 5 (A)

Total Number of Dominant Species Across All Strata: 7 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 71 (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	5	x 1 =	5
FACW species	5	x 2 =	10
FAC species	95	x 3 =	285
FACU species	15	x 4 =	60
UPL species	0	x 5 =	0
Column Totals:	120 (A)		360 (B)

Prevalence Index = B/A = 3.0

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 or equal to 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.

Hydrophytic Vegetation Present? **Yes** ✔ **No** ___

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

SOIL

Sampling Point: UPL2

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	2.5Y 4/3	95	7.5YR 5/4	5	C	M	Sandy Loam	
14 - 20	10YR 5/4	95	7.5YR 5/6	5	C	M	Sandy Loam	
-								
-								
-								
-								
-								
-								
-								
-								
-								
-								

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked 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**)
- ___ 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 (F21)
- ___ 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: _____

Depth (inches): _____

Hydric Soil Present? **Yes** _____ **No** ✔

Remarks:

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: Greiner and Stricler Parcels City/County: Clarence, Erie Sampling Date: 2023-09-11

Applicant/Owner: Designer Homes, LLC State: New York Sampling Point: UPL3

Investigator(s): R. Feickert and D. Wilson Section, Township, Range: _____

Landform (hillslope, terrace, etc.): _____ Local relief (concave, convex, none): _____ Slope (%): _____

Subregion (LRR or MLRA): L 101 Lat: 42.98334938 Long: -78.60407173 Datum: WGS 84

Soil Map Unit Name: Wassaic silt loam, 3 to 8 percent slopes (WaB) NWI classification: _____

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

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

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

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

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

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

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 Vis ble 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 ✔	Depth (inches): _____
Water Table Present?	Yes _____	No ✔	Depth (inches): _____
Saturation Present? (includes capillary fringe)	Yes _____	No ✔	Depth (inches): _____

Wetland Hydrology Present? **Yes** _____ **No** ✔

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

Remarks:

VEGETATION – Use scientific names of plants. Sampling Point: UPL3

Tree Stratum (Plot size: 30 ft r)	Absolute % Cover	Dominant Species?	Indicator Status
1.			
2.			
3.			
4.			
5.			
6.			
7.			
	= Total Cover		
Sapling/Shrub Stratum (Plot size: 15 ft r)			
1. Rosa multiflora	20	✔	FACU
2.			
3.			
4.			
5.			
6.			
7.			
	20% = Total Cover		
Herb Stratum (Plot size: 5 ft r)			
1. Agrimonia parviflora	20	✔	FAC
2. Fragaria virginiana	20	✔	FACU
3. Solidago rugosa	20	✔	FAC
4. Symphyotrichum pilosum	20	✔	FACU
5. Solidago canadensis	15		FACU
6. Holcus lanatus	5		FACU
7. Ranunculus acris	5		FAC
8.			
9.			
10.			
11.			
12.			
	105% = Total Cover		
Woody Vine Stratum (Plot size: 30 ft r)			
1.			
2.			
3.			
4.			
	= 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	0	x 2 =	0
FAC species	45	x 3 =	135
FACU species	80	x 4 =	320
UPL species	0	x 5 =	0
Column Totals:	125 (A)		455 (B)

Prevalence Index = B/A = 3.6

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 or equal to 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.

Hydrophytic Vegetation Present? Yes ___ No ✔

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

SOIL

Sampling Point: UPL3

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0 - 16	10YR 4/3	95	10YR 5/4	5	C	M	Sandy Loam	
16 - 20	7.5YR 5/4	95	5YR 4/4	5	C	M	Sandy Loam	
-								
-								
-								
-								
-								
-								
-								
-								
-								
-								

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked 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**)
- ___ 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 (F21)
- ___ 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: _____

Depth (inches): _____

Hydric Soil Present? **Yes** _____ **No** ✔

Remarks:

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: Greiner and Stricler Parcels City/County: Clarence, Erie Sampling Date: 2023-09-11

Applicant/Owner: Designer Homes, LLC State: New York Sampling Point: UPL4

Investigator(s): R. Feickert and D. Wilson Section, Township, Range: _____

Landform (hillslope, terrace, etc.): _____ Local relief (concave, convex, none): _____ Slope (%): _____

Subregion (LRR or MLRA): L 101 Lat: 42.98389642 Long: -78.60254203 Datum: WGS 84

Soil Map Unit Name: Wassaic silt loam, 3 to 8 percent slopes (WaB) NWI classification: _____

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

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

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

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

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

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

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 Vis ble 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 ✔	Depth (inches): _____
Water Table Present?	Yes _____	No ✔	Depth (inches): _____
Saturation Present? (includes capillary fringe)	Yes _____	No ✔	Depth (inches): _____

Wetland Hydrology Present? **Yes** _____ **No** ✔

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

Remarks:

VEGETATION – Use scientific names of plants. Sampling Point: UPL4

Tree Stratum (Plot size: 30 ft r)	Absolute % Cover	Dominant Species?	Indicator Status
1. Crataegus monogyna	10	✔	FACU
2. Fraxinus americana	10	✔	FACU
3. Pinus strobus	10	✔	FACU
4.			
5.			
6.			
7.			
	30%	= Total Cover	

Sapling/Shrub Stratum (Plot size: 15 ft r)			
1. Lonicera tatarica	40	✔	FACU
2.			
3.			
4.			
5.			
6.			
7.			
	40%	= Total Cover	

Herb Stratum (Plot size: 5 ft r)			
1. Fraxinus americana	30	✔	FACU
2. Fragaria virginiana	20	✔	FACU
3. Agrimonia gryposepala	15		FACU
4. Geum canadense	10		FAC
5. Solidago rugosa	10		FAC
6.			
7.			
8.			
9.			
10.			
11.			
12.			
	85%	= Total Cover	

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

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 0 (A)

Total Number of Dominant Species Across All Strata: 6 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 0 (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1 =	0
FACW species	0	x 2 =	0
FAC species	20	x 3 =	60
FACU species	135	x 4 =	540
UPL species	0	x 5 =	0
Column Totals:	155 (A)		600 (B)

Prevalence Index = B/A = 3.9

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 or equal to 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.

Hydrophytic Vegetation Present? Yes _____ No ✔

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

SOIL

Sampling Point: UPL4

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0 - 16	10YR 4/3	95	10YR 5/6	5	C	M	Silt Loam	
16 - 20	10YR 5/4	95	7.5YR 5/8	5	C	M	Silt Loam	
-								
-								
-								
-								
-								
-								
-								
-								
-								
-								

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked 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**)
- ___ 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 (F21)
- ___ 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: _____

Depth (inches): _____

Hydric Soil Present? **Yes** _____ **No** ✔

Remarks:

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: Greiner and Stricler Parcels City/County: Clarence, Erie Sampling Date: 2023-09-11

Applicant/Owner: Designer Homes, LLC State: New York Sampling Point: UPL5

Investigator(s): R. Feickert and D. Wilson Section, Township, Range: _____

Landform (hillslope, terrace, etc.): _____ Local relief (concave, convex, none): _____ Slope (%): _____

Subregion (LRR or MLRA): L 101 Lat: 42.98562402 Long: -78.60317219 Datum: WGS 84

Soil Map Unit Name: Ovid silt loam, 3 to 8 percent slopes (OvB) NWI classification: _____

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

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

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

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

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

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

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 Vis ble 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 ✔	Depth (inches): _____
Water Table Present?	Yes _____	No ✔	Depth (inches): _____
Saturation Present? (includes capillary fringe)	Yes _____	No ✔	Depth (inches): _____

Wetland Hydrology Present? **Yes** _____ **No** ✔

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

Remarks:

VEGETATION – Use scientific names of plants. Sampling Point: UPL5

Tree Stratum (Plot size: 30 ft r)	Absolute % Cover	Dominant Species?	Indicator Status
1. Fraxinus americana	20	✔	FACU
2. Crataegus monogyna	10	✔	FACU
3.			
4.			
5.			
6.			
7.			
	30%	= Total Cover	
Sapling/Shrub Stratum (Plot size: 15 ft r)			
1. Lonicera tatarica	60	✔	FACU
2. Frangula alnus	10		FAC
3.			
4.			
5.			
6.			
7.			
	70%	= Total Cover	
Herb Stratum (Plot size: 5 ft r)			
1. Fragaria virginiana	30	✔	FACU
2. Lonicera tatarica	30	✔	FACU
3. Symphyotrichum lateriflorum	15		FAC
4. Toxicodendron radicans	15		FAC
5.			
6.			
7.			
8.			
9.			
10.			
11.			
12.			
	90%	= Total Cover	
Woody Vine Stratum (Plot size: 30 ft r)			
1. Vitis aestivalis	10	✔	FACU
2.			
3.			
4.			
	10%	= Total Cover	

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 0 (A)

Total Number of Dominant Species Across All Strata: 6 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 0 (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1 =	0
FACW species	0	x 2 =	0
FAC species	40	x 3 =	120
FACU species	160	x 4 =	640
UPL species	0	x 5 =	0
Column Totals:	200 (A)		760 (B)

Prevalence Index = B/A = 3.8

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 or equal to 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.

Hydrophytic Vegetation Present? Yes _____ No ✔

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

SOIL

Sampling Point: UPL5

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	2.5Y 4/3	90	10YR 5/6	10	C	M	Silt Loam	
-								
-								
-								
-								
-								
-								
-								
-								
-								
-								
-								

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked 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**)
- ___ 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 (F21)
- ___ 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: _____

Depth (inches): _____

Hydric Soil Present? **Yes** _____ **No** ✔

Remarks:

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: Greiner and Stricler Parcels City/County: Clarence, Erie Sampling Date: 2023-09-11

Applicant/Owner: Designer Homes, LLC State: New York Sampling Point: UPL6

Investigator(s): R. Feickert and D. Wilson Section, Township, Range: _____

Landform (hillslope, terrace, etc.): _____ Local relief (concave, convex, none): _____ Slope (%): _____

Subregion (LRR or MLRA): L 101 Lat: 42.98677661 Long: -78.60265620 Datum: WGS 84

Soil Map Unit Name: Niagara silt loam, 0 to 3 percent slopes (NfA) NWI classification: _____

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

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

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

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

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

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

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 Vis ble 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 ✔	Depth (inches): _____
Water Table Present?	Yes _____	No ✔	Depth (inches): _____
Saturation Present? (includes capillary fringe)	Yes _____	No ✔	Depth (inches): _____

Wetland Hydrology Present? **Yes** _____ **No** ✔

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

Remarks:

VEGETATION – Use scientific names of plants. Sampling Point: UPL6

Tree Stratum (Plot size: 30 ft r)	Absolute % Cover	Dominant Species?	Indicator Status
1. Crataegus monogyna	30	✔	FACU
2. Fraxinus americana	10	✔	FACU
3.			
4.			
5.			
6.			
7.			
	40% = Total Cover		
Sapling/Shrub Stratum (Plot size: 15 ft r)			
1. Lonicera tatarica	20	✔	FACU
2.			
3.			
4.			
5.			
6.			
7.			
	20% = Total Cover		
Herb Stratum (Plot size: 5 ft r)			
1. Lonicera canadensis	40	✔	FACU
2. Agrimonia parviflora	20	✔	FAC
3. Fragaria virginiana	10		FACU
4. Geum canadense	10		FAC
5. Rosa multiflora	10		FACU
6. Onoclea sensibilis	5		FACW
7.			
8.			
9.			
10.			
11.			
12.			
	95% = Total Cover		
Woody Vine Stratum (Plot size: 30 ft r)			
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: 5 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 20 (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1 =	0
FACW species	5	x 2 =	10
FAC species	30	x 3 =	90
FACU species	120	x 4 =	480
UPL species	0	x 5 =	0
Column Totals:	155 (A)		580 (B)

Prevalence Index = B/A = 3.7

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 or equal to 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.

Hydrophytic Vegetation Present? Yes _____ No ✔

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

SOIL

Sampling Point: UPL6

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	2.5Y 4/3	90	10YR 5/6	10	C	M	Silt Loam	
-								
-								
-								
-								
-								
-								
-								
-								
-								
-								
-								

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked 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**)
- ___ 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 (F21)
- ___ 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: _____

Depth (inches): _____

Hydric Soil Present? **Yes** _____ **No** ✔

Remarks:

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: Greiner and Stricler Parcels City/County: Clarence, Erie Sampling Date: 2023-09-13

Applicant/Owner: Designer Homes, LLC State: New York Sampling Point: A6U7

Investigator(s): R. Feickert and D. Wilson Section, Township, Range: _____

Landform (hillslope, terrace, etc.): _____ Local relief (concave, convex, none): _____ Slope (%): _____

Subregion (LRR or MLRA): L 101 Lat: 42.98741980 Long: -78.60344672 Datum: WGS 84

Soil Map Unit Name: Niagara silt loam, 0 to 3 percent slopes (NfA) NWI classification: _____

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

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

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

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

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

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

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 Vis ble 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 ✔	Depth (inches): _____
Water Table Present?	Yes _____	No ✔	Depth (inches): _____
Saturation Present? (includes capillary fringe)	Yes _____	No ✔	Depth (inches): _____

Wetland Hydrology Present? **Yes** _____ **No** ✔

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

Remarks:

VEGETATION – Use scientific names of plants. Sampling Point: A6U7

Tree Stratum (Plot size: 30 ft r)	Absolute % Cover	Dominant Species?	Indicator Status
1. Acer saccharum	30	✔	FACU
2. Fraxinus americana	10	✔	FACU
3. Quercus macrocarpa	10	✔	FACU
4.			
5.			
6.			
7.			
	50%	= Total Cover	

Sapling/Shrub Stratum (Plot size: 15 ft r)			
1. Crataegus monogyna	10	✔	FACU
2. Fraxinus americana	10	✔	FACU
3.			
4.			
5.			
6.			
7.			
	20%	= Total Cover	

Herb Stratum (Plot size: 5 ft r)			
1. Agrimonia parviflora	30	✔	FAC
2. Solidago rugosa	20	✔	FAC
3. Rosa multiflora	15		FACU
4. Geum canadense	10		FAC
5. Symphyotrichum lanceolatum	10		FACW
6.			
7.			
8.			
9.			
10.			
11.			
12.			
	85%	= Total Cover	

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

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 2 (A)

Total Number of Dominant Species Across All Strata: 7 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 29 (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1 =	0
FACW species	10	x 2 =	20
FAC species	60	x 3 =	180
FACU species	85	x 4 =	340
UPL species	0	x 5 =	0
Column Totals:	155 (A)		540 (B)

Prevalence Index = B/A = 3.5

Hydrophytic Vegetation Indicators:

___ 1 - Rapid Test for Hydrophytic Vegetation

___ 2 - Dominance Test is >50%

___ 3 - Prevalence Index is ≤3.0[1]

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

___ Problematic Hydrophytic Vegetation[1] (Explain)

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

Definitions of Vegetation Strata:

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

Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 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.

Hydrophytic Vegetation Present? Yes ____ No ✔

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

SOIL

Sampling Point: A6U7

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 3/2	95	10YR 3/4	5	C	M	Silt Loam	
-								
-								
-								
-								
-								
-								
-								
-								
-								
-								
-								

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked 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**)
- ___ 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 (F21)
- ___ 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: _____

Depth (inches): _____

Hydric Soil Present? **Yes** _____ **No** ✔

Remarks:

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: Greiner and Stricler Parcels City/County: Clarence, Erie Sampling Date: 2023-09-13

Applicant/Owner: Designer Homes, LLC State: New York Sampling Point: A6W8

Investigator(s): R. Feickert and D. Wilson Section, Township, Range: _____

Landform (hillslope, terrace, etc.): _____ Local relief (concave, convex, none): _____ Slope (%): _____

Subregion (LRR or MLRA): L 101 Lat: 42.98757690 Long: -78.60375393 Datum: WGS 84

Soil Map Unit Name: Niagara silt loam, 0 to 3 percent slopes (NfA) NWI classification: PSS1B

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

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

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

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

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

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

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 Vis ble 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 ✔	Depth (inches): _____
Water Table Present?	Yes _____	No ✔	Depth (inches): _____
Saturation Present? (includes capillary fringe)	Yes _____	No ✔	Depth (inches): _____

Wetland Hydrology Present? Yes ✔ No _____

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

Remarks:

VEGETATION – Use scientific names of plants. Sampling Point: A6W8

Tree Stratum (Plot size: 30 ft r)	Absolute % Cover	Dominant Species?	Indicator Status
1. Acer saccharinum	15	✔	FACW
2. Acer rubrum	10	✔	FAC
3. Carya cordiformis	10	✔	FAC
4.			
5.			
6.			
7.			
	35%	= Total Cover	

Sapling/Shrub Stratum (Plot size: 15 ft r)			
1. Acer rubrum	10	✔	FAC
2. Fraxinus pennsylvanica	10	✔	FACW
3.			
4.			
5.			
6.			
7.			
	20%	= Total Cover	

Herb Stratum (Plot size: 5 ft r)			
1. Agrimonia parviflora	30	✔	FAC
2. Scirpus cyperinus	30	✔	OBL
3. Solidago rugosa	15		FAC
4. Carex lurida	10		OBL
5. Cinna arundinacea	10		FACW
6. Symphyotrichum lanceolatum	5		FACW
7.			
8.			
9.			
10.			
11.			
12.			
	100%	= Total Cover	

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

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 7 (A)

Total Number of Dominant Species Across All Strata: 7 (B)

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

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	40	x 1 =	40
FACW species	40	x 2 =	80
FAC species	75	x 3 =	225
FACU species	0	x 4 =	0
UPL species	0	x 5 =	0
Column Totals:	155 (A)		345 (B)

Prevalence Index = B/A = 2.2

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 or equal to 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.

Hydrophytic Vegetation Present? **Yes** ✔ **No** ___

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

SOIL

Sampling Point: A6W8

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0 - 16	10YR 4/2	90	10YR 5/6	10	C	PL / M	Clay Loam	
16 - 20	10YR 5/1	90	2.5Y 5/4	10	C	M	Sandy Loam	
-								
-								
-								
-								
-								
-								
-								
-								
-								
-								

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked 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**)
- ___ 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 (F21)
- ___ 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: _____

Depth (inches): _____

Hydric Soil Present? **Yes** ✔ **No** _____

Remarks:

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: Greiner and Stricler Parcels City/County: Clarence, Erie Sampling Date: 2023-09-13

Applicant/Owner: Designer Homes, LLC State: New York Sampling Point: A13U9

Investigator(s): R. Feickert and D. Wilson Section, Township, Range: _____

Landform (hillslope, terrace, etc.): _____ Local relief (concave, convex, none): _____ Slope (%): _____

Subregion (LRR or MLRA): L 101 Lat: 42.98741259 Long: -78.60501325 Datum: WGS 84

Soil Map Unit Name: Niagara silt loam, 0 to 3 percent slopes (NfA) NWI classification: _____

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

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

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

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

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

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

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 Vis ble 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 ✔	Depth (inches): _____
Water Table Present?	Yes _____	No ✔	Depth (inches): _____
Saturation Present? (includes capillary fringe)	Yes _____	No ✔	Depth (inches): _____

Wetland Hydrology Present? **Yes** _____ **No** ✔

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

Remarks:

VEGETATION – Use scientific names of plants. Sampling Point: A13U9

Tree Stratum (Plot size: 30 ft r)	Absolute % Cover	Dominant Species?	Indicator Status
1. Acer saccharum	20	✔	FACU
2. Fagus grandifolia	20	✔	FACU
3.			
4.			
5.			
6.			
7.			
	40%	= Total Cover	
Sapling/Shrub Stratum (Plot size: 15 ft r)			
1. Fagus grandifolia	10	✔	FACU
2. Fraxinus americana	10	✔	FACU
3. Rosa multiflora	5	✔	FACU
4.			
5.			
6.			
7.			
	25%	= Total Cover	
Herb Stratum (Plot size: 5 ft r)			
1. Solidago canadensis	25	✔	FACU
2. Onoclea sensibilis	15	✔	FACW
3. Rosa multiflora	15	✔	FACU
4. Geum canadense	10		FAC
5. Symphyotrichum pilosum	10		FACU
6. Symphyotrichum lanceolatum	5		FACW
7.			
8.			
9.			
10.			
11.			
12.			
	80%	= Total Cover	
Woody Vine Stratum (Plot size: 30 ft r)			
1. Parthenocissus quinquefolia	5	✔	FACU
2.			
3.			
4.			
	5%	= 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: 9 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 11 (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1 =	0
FACW species	20	x 2 =	40
FAC species	10	x 3 =	30
FACU species	120	x 4 =	480
UPL species	0	x 5 =	0
Column Totals:	150 (A)		550 (B)

Prevalence Index = B/A = 3.7

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 or equal to 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.

Hydrophytic Vegetation Present? Yes ___ No ✔

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

SOIL

Sampling Point: A13U9

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0 - 2	10YR 4/2	100					Silt Loam	
2 - 20	10YR 4/4	100					Silt Loam	
-								
-								
-								
-								
-								
-								
-								
-								
-								
-								

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked 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**)
- ___ 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 (F21)
- ___ 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: _____

Depth (inches): _____

Hydric Soil Present? **Yes** _____ **No** ✔

Remarks:

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: Greiner and Stricler Parcels City/County: Clarence, Erie Sampling Date: 2023-09-13

Applicant/Owner: Designer Homes, LLC State: New York Sampling Point: A13W10

Investigator(s): R. Feickert and D. Wilson Section, Township, Range: _____

Landform (hillslope, terrace, etc.): _____ Local relief (concave, convex, none): _____ Slope (%): _____

Subregion (LRR or MLRA): L 101 Lat: 42.98761241 Long: -78.60491159 Datum: WGS 84

Soil Map Unit Name: Niagara silt loam, 0 to 3 percent slopes (NfA) NWI classification: PFO1B

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

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

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

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

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

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

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 Vis ble 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 _____	Depth (inches): 2
Water Table Present?	Yes ✔	No _____	Depth (inches): 0
Saturation Present? (includes capillary fringe)	Yes ✔	No _____	Depth (inches): 0

Wetland Hydrology Present? Yes ✔ No _____

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

Remarks:

VEGETATION – Use scientific names of plants. Sampling Point: A13W10

Tree Stratum (Plot size: 30 ft r)	Absolute % Cover	Dominant Species?	Indicator Status
1. Acer saccharinum	40	✔	FACW
2. Ulmus americana	10	✔	FACW
3.			
4.			
5.			
6.			
7.			
	50%	= Total Cover	

Sapling/Shrub Stratum (Plot size: 15 ft r)			
1.			
2.			
3.			
4.			
5.			
6.			
7.			
		= Total Cover	

Herb Stratum (Plot size: 5 ft r)			
1. Carex lurida	10	✔	OBL
2. Agrimonia parviflora	5	✔	FAC
3. Phragmites australis	5	✔	FACW
4.			
5.			
6.			
7.			
8.			
9.			
10.			
11.			
12.			
	20%	= Total Cover	

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

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 5 (A)

Total Number of Dominant Species Across All Strata: 5 (B)

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

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	10	x 1 =	10
FACW species	55	x 2 =	110
FAC species	5	x 3 =	15
FACU species	0	x 4 =	0
UPL species	0	x 5 =	0
Column Totals:	70 (A)		135 (B)

Prevalence Index = B/A = 1.9

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 or equal to 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.

Hydrophytic Vegetation Present? **Yes** ✔ **No** ___

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

SOIL

Sampling Point: A13W10

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
-								
-								
-								
-								
-								
-								
-								
-								
-								
-								
-								
-								

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked 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**)
- ___ 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 (F21)
- ___ 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: _____

Depth (inches): _____

Hydric Soil Present? **Yes** ✔ **No** _____

Remarks:

No soil sample taken in standing water.

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: Greiner and Stricler Parcels City/County: Clarence, Erie Sampling Date: 2023-09-13

Applicant/Owner: Designer Homes, LLC State: New York Sampling Point: A30U11

Investigator(s): R. Feickert and D. Wilson Section, Township, Range: _____

Landform (hillslope, terrace, etc.): _____ Local relief (concave, convex, none): _____ Slope (%): _____

Subregion (LRR or MLRA): L 101 Lat: 42.98661514 Long: -78.60529746 Datum: WGS 84

Soil Map Unit Name: Ovid silt loam, 0 to 3 percent slopes (OvA) NWI classification: _____

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

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

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

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

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

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

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 Vis ble 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 ✔	Depth (inches): _____
Water Table Present?	Yes _____	No ✔	Depth (inches): _____
Saturation Present? (includes capillary fringe)	Yes _____	No ✔	Depth (inches): _____

Wetland Hydrology Present? **Yes** _____ **No** ✔

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

Remarks:

VEGETATION – Use scientific names of plants. Sampling Point: A30U11

Tree Stratum (Plot size: 30 ft r)	Absolute % Cover	Dominant Species?	Indicator Status
1. Fagus grandifolia	30	✔	FACU
2. Fraxinus pennsylvanica	10	✔	FACW
3.			
4.			
5.			
6.			
7.			
	40%	= Total Cover	

Sapling/Shrub Stratum (Plot size: 15 ft r)			
1. Rosa multiflora	15	✔	FACU
2. Fraxinus pennsylvanica	10	✔	FACW
3.			
4.			
5.			
6.			
7.			
	25%	= Total Cover	

Herb Stratum (Plot size: 5 ft r)			
1. Solidago canadensis	40	✔	FACU
2. Agrimonia parviflora	30	✔	FAC
3. Rosa multiflora	20	✔	FACU
4. Geum canadense	10		FAC
5.			
6.			
7.			
8.			
9.			
10.			
11.			
12.			
	100%	= Total Cover	

Woody Vine Stratum (Plot size: 30 ft r)			
1.			
2.			
3.			
4.			
		= 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: 43 (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1 =	0
FACW species	20	x 2 =	40
FAC species	40	x 3 =	120
FACU species	105	x 4 =	420
UPL species	0	x 5 =	0
Column Totals:	165 (A)		580 (B)

Prevalence Index = B/A = 3.5

Hydrophytic Vegetation Indicators:

___ 1 - Rapid Test for Hydrophytic Vegetation

___ 2 - Dominance Test is >50%

___ 3 - Prevalence Index is ≤3.0[1]

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

___ Problematic Hydrophytic Vegetation[1] (Explain)

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

Definitions of Vegetation Strata:

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

Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 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.

Hydrophytic Vegetation Present? Yes ___ No ✔

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

SOIL

Sampling Point: A30U11

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0 - 16	10YR 3/2	95	10YR 3/4	5	C	M	Silt Loam	
16 - 20	10YR 4/4	90	7.5YR 5/6	10	C	M	Sandy Loam	
-								
-								
-								
-								
-								
-								
-								
-								
-								
-								

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked 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**)
- ___ 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 (F21)
- ___ 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: _____

Depth (inches): _____

Hydric Soil Present? **Yes** _____ **No** ✔

Remarks:

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: Greiner and Stricler Parcels City/County: Clarence, Erie Sampling Date: 2023-09-13

Applicant/Owner: Designer Homes, LLC State: New York Sampling Point: A30W12

Investigator(s): R. Feickert and D. Wilson Section, Township, Range: _____

Landform (hillslope, terrace, etc.): _____ Local relief (concave, convex, none): _____ Slope (%): _____

Subregion (LRR or MLRA): L 101 Lat: 42.98682740 Long: -78.60536133 Datum: WGS 84

Soil Map Unit Name: Niagara silt loam, 0 to 3 percent slopes (NfA) NWI classification: PFO1/SS1B

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

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

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

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

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

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

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 Vis ble 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 ✔	Depth (inches): _____
Water Table Present?	Yes _____	No ✔	Depth (inches): _____
Saturation Present? (includes capillary fringe)	Yes _____	No ✔	Depth (inches): _____

Wetland Hydrology Present? Yes ✔ No _____

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

Remarks:

VEGETATION – Use scientific names of plants. Sampling Point: A30W12

Tree Stratum (Plot size: 30 ft r)	Absolute % Cover	Dominant Species?	Indicator Status
1. Fraxinus pennsylvanica	30	✔	FACW
2. Acer rubrum	10	✔	FAC
3.			
4.			
5.			
6.			
7.			
	40%	= Total Cover	
Sapling/Shrub Stratum (Plot size: 15 ft r)			
1. Ulmus americana	30	✔	FACW
2. Fraxinus pennsylvanica	10	✔	FACW
3.			
4.			
5.			
6.			
7.			
	40%	= Total Cover	
Herb Stratum (Plot size: 5 ft r)			
1. Agrimonia parviflora	40	✔	FAC
2. Solidago rugosa	40	✔	FAC
3. Geum canadense	10		FAC
4.			
5.			
6.			
7.			
8.			
9.			
10.			
11.			
12.			
	90%	= Total Cover	
Woody Vine Stratum (Plot size: 30 ft r)			
1.			
2.			
3.			
4.			
		= 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	0	x 1 =	0
FACW species	70	x 2 =	140
FAC species	100	x 3 =	300
FACU species	0	x 4 =	0
UPL species	0	x 5 =	0
Column Totals:	170 (A)		440 (B)

Prevalence Index = B/A = 2.6

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 or equal to 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.

Hydrophytic Vegetation Present? **Yes** ✔ **No** ___

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

SOIL

Sampling Point: A30W12

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	90	5YR 4/4	10	C	PL / M	Silt Loam	
-								
-								
-								
-								
-								
-								
-								
-								
-								
-								
-								

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked 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**)
- ___ 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 (F21)
- ___ 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: _____

Depth (inches): _____

Hydric Soil Present? **Yes** ✔ **No** _____

Remarks:

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: Griener and Strickler Parcel City/County: Clarence / Erie Sampling Date: 2023-09-13

Applicant/Owner: Designer Homes, LLC State: New York Sampling Point: B17U13

Investigator(s): R. Feickert & D. Wilson Section, Township, Range: _____

Landform (hillslope, terrace, etc.): _____ Local relief (concave, convex, none): Linear Slope (%): 2

Subregion (LRR or MLRA): L 101 Lat: 42.98612434 Long: -78.60687287 Datum: WGS 84

Soil Map Unit Name: Ovid NWI classification: _____

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

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

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

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

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

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

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 Vis ble 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 ✔	Depth (inches): _____
Water Table Present?	Yes _____	No ✔	Depth (inches): _____
Saturation Present? (includes capillary fringe)	Yes _____	No ✔	Depth (inches): _____

Wetland Hydrology Present? **Yes** _____ **No** ✔

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

Remarks:

VEGETATION – Use scientific names of plants. Sampling Point: B17U13

Tree Stratum (Plot size: 30 ft r)	Absolute % Cover	Dominant Species?	Indicator Status
1. Fraxinus americana	15	✔	FACU
2.			
3.			
4.			
5.			
6.			
7.			
	15%	= Total Cover	
Sapling/Shrub Stratum (Plot size: 15 ft r)			
1. Cornus racemosa	20	✔	FAC
2. Rosa multiflora	20	✔	FACU
3. Lonicera tatarica	15	✔	FACU
4.			
5.			
6.			
7.			
	55%	= Total Cover	
Herb Stratum (Plot size: 5 ft r)			
1. Solidago canadensis	30	✔	FACU
2. Symphyotrichum lanceolatum	25	✔	FACW
3. Glyceria melicaria	20	✔	OBL
4. Persicaria virginiana	15		FAC
5. Agrimonia striata	10		FACU
6. Phleum pratense	10		FACU
7.			
8.			
9.			
10.			
11.			
12.			
	110%	= Total Cover	
Woody Vine Stratum (Plot size: 30 ft r)			
1. Toxicodendron radicans	20	✔	FAC
2. Vitis aestivalis	15	✔	FACU
3.			
4.			
	35%	= 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: 9 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 44 (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	20	x 1 =	20
FACW species	25	x 2 =	50
FAC species	55	x 3 =	165
FACU species	115	x 4 =	460
UPL species	0	x 5 =	0
Column Totals:	215 (A)		695 (B)

Prevalence Index = B/A = 3.2

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 or equal to 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.

Hydrophytic Vegetation Present? Yes _____ No ✔

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

SOIL

Sampling Point: B17U13

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	Matrix %	Redox Features Color (moist)	Redox Features %	Type[1]	Loc[2]	Texture	Remarks
0 - 6	10YR 3/2	100					Silty Clay Loam	
6 - 14	10YR 3/2	95	7.5YR 4/6	5	C	PL	Silty Clay Loam	
14 - 20	10YR 4/3	100					Clay Loam	
-								
-								
-								
-								
-								
-								
-								
-								
-								

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked 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**)
- ___ 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 (F21)
- ___ 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: _____

Depth (inches): _____

Hydric Soil Present? **Yes** _____ **No** ✔

Remarks:

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: Griener and Strickler Parcel City/County: Clarence / Erie Sampling Date: 2023-09-13

Applicant/Owner: Designer Homes, LLC State: New York Sampling Point: B17W14

Investigator(s): R. Feickert & D. Wilson Section, Township, Range: _____

Landform (hillslope, terrace, etc.): _____ Local relief (concave, convex, none): Linear Slope (%): 2

Subregion (LRR or MLRA): L 101 Lat: 42.98632964 Long: -78.60690258 Datum: WGS 84

Soil Map Unit Name: Ovid NWI classification: PSS

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

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

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

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

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

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

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 Vis ble 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 ✔	Depth (inches): _____
Water Table Present?	Yes _____	No ✔	Depth (inches): _____
Saturation Present? (includes capillary fringe)	Yes _____	No ✔	Depth (inches): _____

Wetland Hydrology Present? Yes ✔ No _____

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

Remarks:

VEGETATION – Use scientific names of plants. Sampling Point: B17W14

Tree Stratum (Plot size: 30 ft r)	Absolute % Cover	Dominant Species?	Indicator Status
1. Fraxinus americana	5	✔	FACU
2.			
3.			
4.			
5.			
6.			
7.			
	5%	= Total Cover	
Sapling/Shrub Stratum (Plot size: 15 ft r)			
1. Cornus racemosa	70	✔	FAC
2. Rosa multiflora	10		FACU
3.			
4.			
5.			
6.			
7.			
	80%	= Total Cover	
Herb Stratum (Plot size: 5 ft r)			
1. Glyceria melicaria	65	✔	OBL
2. Onoclea sensibilis	15		FACW
3. Lysimachia nummularia	10		FACW
4. Symphyotrichum lanceolatum	10		FACW
5.			
6.			
7.			
8.			
9.			
10.			
11.			
12.			
	100%	= Total Cover	
Woody Vine Stratum (Plot size: 30 ft r)			
1. Toxicodendron radicans	20	✔	FAC
2. Vitis aestivalis	10	✔	FACU
3.			
4.			
	30%	= 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	65	x 1 =	65
FACW species	35	x 2 =	70
FAC species	90	x 3 =	270
FACU species	25	x 4 =	100
UPL species	0	x 5 =	0
Column Totals:	215 (A)		505 (B)

Prevalence Index = B/A = 2.3

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 or equal to 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.

Hydrophytic Vegetation Present? **Yes** ✔ **No** ___

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

SOIL

Sampling Point: B17W14

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	10YR 4/2	95	10YR 4/4	5	C	PL	Clay Loam	
12 - 20	10YR 4/3	100					Clay Loam	
-								
-								
-								
-								
-								
-								
-								
-								
-								
-								

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked 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**)
- ___ 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 (F21)
- ___ 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: _____

Depth (inches): _____

Hydric Soil Present? **Yes** ✔ **No** _____

Remarks:

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: Griener and Strickler Parcel City/County: Clarence / Erie Sampling Date: 2023-09-13

Applicant/Owner: Designer Homes, LLC State: New York Sampling Point: B5U15

Investigator(s): R. Feickert & D. Wilson Section, Township, Range: _____

Landform (hillslope, terrace, etc.): _____ Local relief (concave, convex, none): Linear Slope (%): 2

Subregion (LRR or MLRA): L 101 Lat: 42.98738575 Long: -78.60661790 Datum: WGS 84

Soil Map Unit Name: Ovid NWI classification: _____

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

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

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

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

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

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

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 Vis ble 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 ✔	Depth (inches): _____
Water Table Present?	Yes _____	No ✔	Depth (inches): _____
Saturation Present? (includes capillary fringe)	Yes _____	No ✔	Depth (inches): _____

Wetland Hydrology Present? **Yes** _____ **No** ✔

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

Remarks:

VEGETATION – Use scientific names of plants. Sampling Point: B5U15

Tree Stratum (Plot size: 30 ft r)	Absolute % Cover	Dominant Species?	Indicator Status
1. Fraxinus pennsylvanica	30	✔	FACW
2.			
3.			
4.			
5.			
6.			
7.			
	30%	= Total Cover	

Sapling/Shrub Stratum (Plot size: 15 ft r)			
1. Rosa multiflora	30	✔	FACU
2.			
3.			
4.			
5.			
6.			
7.			
	30%	= Total Cover	

Herb Stratum (Plot size: 5 ft r)			
1. Agrimonia striata	80	✔	FACU
2. Parthenocissus quinquefolia	10		FACU
3. Lysimachia nummularia	5		FACW
4. Symphyotrichum lanceolatum	5		FACW
5.			
6.			
7.			
8.			
9.			
10.			
11.			
12.			
	100%	= Total Cover	

Woody Vine Stratum (Plot size: 30 ft r)			
1. Toxicodendron radicans	20	✔	FAC
2.			
3.			
4.			
	20%	= 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	40	x 2 =	80
FAC species	20	x 3 =	60
FACU species	120	x 4 =	480
UPL species	0	x 5 =	0
Column Totals:	180 (A)		620 (B)

Prevalence Index = B/A = 3.4

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 or equal to 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.

Hydrophytic Vegetation Present? Yes ___ No ✔

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

SOIL

Sampling Point: B5U15

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 - 13	10YR 3/2	100					Clay Loam	
13 - 20	10YR 4/3	90	10YR 4/6	10	C	M	Clay	
-								
-								
-								
-								
-								
-								
-								
-								
-								
-								

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked 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**)
- ___ 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 (F21)
- ___ 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: _____

Depth (inches): _____

Hydric Soil Present? **Yes** _____ **No** ✔

Remarks:

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: Griener and Strickler Parcel City/County: Clarence / Erie Sampling Date: 2023-09-13

Applicant/Owner: Designer Homes, LLC State: New York Sampling Point: B5W16

Investigator(s): R. Feickert & D. Wilson Section, Township, Range: _____

Landform (hillslope, terrace, etc.): _____ Local relief (concave, convex, none): Linear Slope (%): 2

Subregion (LRR or MLRA): L 101 Lat: 42.98714211 Long: -78.60670581 Datum: WGS 84

Soil Map Unit Name: Ovid NWI classification: _____

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

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

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

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

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

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

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 Vis ble 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 ✔	Depth (inches): _____
Water Table Present?	Yes ✔	No _____	Depth (inches): 2
Saturation Present? (includes capillary fringe)	Yes ✔	No _____	Depth (inches): 0

Wetland Hydrology Present? **Yes** ✔ **No** _____

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

Remarks:

VEGETATION – Use scientific names of plants. Sampling Point: B5W16

Tree Stratum (Plot size: 30 ft r)	Absolute % Cover	Dominant Species?	Indicator Status
1. Fraxinus pennsylvanica	10	✔	FACW
2.			
3.			
4.			
5.			
6.			
7.			
	10%	= Total Cover	
Sapling/Shrub Stratum (Plot size: 15 ft r)			
1.			
2.			
3.			
4.			
5.			
6.			
7.			
		= Total Cover	
Herb Stratum (Plot size: 5 ft r)			
1. Euthamia graminifolia	40	✔	FAC
2. Juncus torreyi	30	✔	FACW
3. Symphyotrichum lanceolatum	20		FACW
4. Agrimonia striata	15		FACU
5. Onoclea sensibilis	15		FACW
6.			
7.			
8.			
9.			
10.			
11.			
12.			
	120%	= Total Cover	
Woody Vine Stratum (Plot size: 30 ft r)			
1.			
2.			
3.			
4.			
		= 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	0	x 1 =	0
FACW species	75	x 2 =	150
FAC species	40	x 3 =	120
FACU species	15	x 4 =	60
UPL species	0	x 5 =	0
Column Totals:	130 (A)		330 (B)

Prevalence Index = B/A = 2.5

Hydrophytic Vegetation Indicators:

___ 1 - Rapid Test for Hydrophytic Vegetation

✔ 2 - Dominance Test is >50%

✔ 3 - Prevalence Index is ≤3.0[1]

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

___ Problematic Hydrophytic Vegetation[1] (Explain)

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

Definitions of Vegetation Strata:

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

Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 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.

Hydrophytic Vegetation Present? **Yes** ✔ **No** ___

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

SOIL

Sampling Point: B5W16

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	95	10YR 4/6	5	RM	PL / M	Clay Loam	
-								
-								
-								
-								
-								
-								
-								
-								
-								
-								
-								

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked 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**)
- ___ 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 (F21)
- ___ 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: _____

Depth (inches): _____

Hydric Soil Present? **Yes** ✔ **No** _____

Remarks:

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: Griener and Strickler Parcel City/County: Clarence / Erie Sampling Date: 2023-09-13

Applicant/Owner: Designer Homes, LLC State: New York Sampling Point: A39U17

Investigator(s): R. Feickert & D. Wilson Section, Township, Range: _____

Landform (hillslope, terrace, etc.): _____ Local relief (concave, convex, none): _____ Slope (%): 0

Subregion (LRR or MLRA): L 101 Lat: 42.98764524 Long: -78.60606683 Datum: WGS 84

Soil Map Unit Name: Ovid NWI classification: _____

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

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

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

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

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

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

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 Vis ble 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 ✔	Depth (inches): _____
Water Table Present?	Yes _____	No ✔	Depth (inches): _____
Saturation Present? (includes capillary fringe)	Yes _____	No ✔	Depth (inches): _____

Wetland Hydrology Present? Yes _____ No ✔

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

Remarks:

VEGETATION – Use scientific names of plants. Sampling Point: A39U17

Tree Stratum (Plot size: 30 ft r)	Absolute % Cover	Dominant Species?	Indicator Status
1. Ostrya virginiana	30	✔	FACU
2. Fraxinus americana	20	✔	FACU
3. Quercus rubra	20	✔	FACU
4.			
5.			
6.			
7.			
	70%	= Total Cover	
Sapling/Shrub Stratum (Plot size: 15 ft r)			
1. Rosa multiflora	5	✔	FACU
2.			
3.			
4.			
5.			
6.			
7.			
	5%	= Total Cover	
Herb Stratum (Plot size: 5 ft r)			
1. Carex laxiflora	25	✔	UPL
2. Solidago rugosa	10	✔	FAC
3. Symphyotrichum pilosum	10	✔	FACU
4.			
5.			
6.			
7.			
8.			
9.			
10.			
11.			
12.			
	45%	= Total Cover	
Woody Vine Stratum (Plot size: 30 ft r)			
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: 7 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 14 (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1 =	0
FACW species	0	x 2 =	0
FAC species	10	x 3 =	30
FACU species	85	x 4 =	340
UPL species	25	x 5 =	125
Column Totals:	120 (A)		495 (B)

Prevalence Index = B/A = 4.1

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 or equal to 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.

Hydrophytic Vegetation Present? Yes _____ No ✔

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

SOIL

Sampling Point: A39U17

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0 - 7	10YR 4/3	100					Loam	
7 - 20	10YR 6/4	100					Silt Loam	
-								
-								
-								
-								
-								
-								
-								
-								
-								
-								

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked 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**)
- ___ 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 (F21)
- ___ 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: _____

Depth (inches): _____

Hydric Soil Present? **Yes** _____ **No** ✔

Remarks:

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: Griener and Strickler Parcel City/County: Clarence / Erie Sampling Date: 2023-09-13

Applicant/Owner: Designer Homes, LLC State: New York Sampling Point: A39W18

Investigator(s): R. Feickert & D. Wilson Section, Township, Range: _____

Landform (hillslope, terrace, etc.): _____ Local relief (concave, convex, none): None Slope (%): 0

Subregion (LRR or MLRA): L 101 Lat: 42.98770332 Long: -78.60572384 Datum: WGS 84

Soil Map Unit Name: Niagara NWI classification: _____

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

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

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

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

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

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

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 Vis ble 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 ✔	Depth (inches): _____
Water Table Present?	Yes _____	No ✔	Depth (inches): _____
Saturation Present? (includes capillary fringe)	Yes _____	No ✔	Depth (inches): _____

Wetland Hydrology Present? **Yes** ✔ **No** _____

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

Remarks:

VEGETATION – Use scientific names of plants. Sampling Point: A39W18

Tree Stratum (Plot size: 30 ft r)	Absolute % Cover	Dominant Species?	Indicator Status
1. Acer rubrum	35	✔	FAC
2. Fraxinus pennsylvanica	20	✔	FACW
3. Carya ovata	5		FACU
4.			
5.			
6.			
7.			
	60%	= Total Cover	
Sapling/Shrub Stratum (Plot size: 15 ft r)			
1. Fraxinus pennsylvanica	20	✔	FACW
2. Rosa multiflora	5	✔	FACU
3.			
4.			
5.			
6.			
7.			
	25%	= Total Cover	
Herb Stratum (Plot size: 5 ft r)			
1. Glyceria melicaria	40	✔	OBL
2. Carex intumescens	20	✔	FACW
3. Carex scoparia	15		FACW
4. Lysimachia nummularia	15		FACW
5. Toxicodendron radicans	15		FAC
6. Onoclea sensibilis	10		FACW
7.			
8.			
9.			
10.			
11.			
12.			
	115%	= Total Cover	
Woody Vine Stratum (Plot size: 30 ft r)			
1.			
2.			
3.			
4.			
		= Total Cover	

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 5 (A)

Total Number of Dominant Species Across All Strata: 6 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 83 (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	40	x 1 =	40
FACW species	100	x 2 =	200
FAC species	50	x 3 =	150
FACU species	10	x 4 =	40
UPL species	0	x 5 =	0
Column Totals:	200 (A)		430 (B)

Prevalence Index = B/A = 2.2

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 or equal to 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.

Hydrophytic Vegetation Present? **Yes** ✔ **No** ___

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

SOIL

Sampling Point: A39W18

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	95	7.5YR 4/6	5	C	M	Clay Loam	
-								
-								
-								
-								
-								
-								
-								
-								
-								
-								
-								

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked 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**)
- ___ 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 (F21)
- ___ 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: _____

Depth (inches): _____

Hydric Soil Present? **Yes** ✔ **No** _____

Remarks:

Appendix C

Site Photographs

DAVEY®
Resource Group

Project: Greiner and Stricler Parcels

Region: Northcentral and Northeast

Sampling Point:
UPL1

UPL1

Sampling area of upland data point UPL1.

Direction

Lat Lon from point
42.98466347, -78.60543016

707 Elevation in feet

Photo date: Tue, Aug 29, 2023 11:48 AM EDT

Sampling Point:
UPL2

UPL2

Sampling area of upland data point UPL2.

Direction

Lat Lon from point
42.98263302, -78.60631481

726 Elevation in feet

Photo date: Mon, Sep 11, 2023 12:19 PM EDT

Project: Greiner and Stricler Parcels

Region: Northcentral and Northeast

Sampling Point:
UPL3

UPL3

Sampling area of upland data point UPL3.

Direction

Lat Lon from point
42.98334938, -78.60407173

733 Elevation in feet

Photo date: Mon, Sep 11, 2023 12:48 PM EDT

Sampling Point:
UPL4

UPL4

Sampling area of upland data point UPL4.

Direction

Lat Lon from point
42.98389642, -78.60254203

734 Elevation in feet

Photo date: Mon, Sep 11, 2023 1:41 PM EDT

Project: Greiner and Stricler Parcels

Region: Northcentral and Northeast

Sampling Point:
UPL5

UPL5

Sampling area of upland data point UPL5.

Direction

Lat Lon from point
42.98562402, -78.60317219

702 Elevation in feet

Photo date: Mon, Sep 11, 2023 2:09 PM EDT

Sampling Point:
UPL6

UPL6

Sampling area of upland data point UPL6.

Direction

Lat Lon from point
42.98677661, -78.60265620

686 Elevation in feet

Photo date: Mon, Sep 11, 2023 2:31 PM EDT

Project: Greiner and Stricler Parcels

Region: Northcentral and Northeast

Sampling Point:
A6U7

A6U7

Sampling area of upland data point A6U7.

Direction

Lat Lon from photo
42.98744444, -78.60348611

679 Elevation in feet

Photo date: Wed, Sep 13, 2023 12:26 PM EDT

Sampling Point:
A6W8

A6W8

Sampling area of wetland data point A6W8.

Direction

Lat Lon from point
42.98757690, -78.60375393

677 Elevation in feet

Photo date: Wed, Sep 13, 2023 12:40 PM EDT

Project: Greiner and Stricler Parcels

Region: Northcentral and Northeast

Sampling Point:
A13W10

A13W10

Sampling area of wetland data point A13W10.

Direction

Lat Lon from point
42.98761241, -78.60491159

691 Elevation in feet

Photo date: Wed, Sep 13, 2023 1:11 PM EDT

Sampling Point:
A30U11

A30U11

Sampling area of upland data point A30U11.

Direction

Lat Lon from point
42.98661514, -78.60529746

677 Elevation in feet

Photo date: Wed, Sep 13, 2023 1:32 PM EDT

Project: Greiner and Stricler Parcels

Region: Northcentral and Northeast

Sampling Point:
A30W12

A30W12

Sampling area of wetland data point A30W12.

Direction

Lat Lon from point
42.98682740, -78.60536133

688 Elevation in feet

Photo date: Wed, Sep 13, 2023 1:47 PM EDT

Project: Griener and Strickler Parcel

Region: Northcentral and Northeast

Sampling Point:
B5U15

B5U15

Looking north from upland sample point B5U15.

Direction

Lat Lon from point
42.98738575, -78.60661790

678 Elevation in feet

Photo date: Wed, Sep 13, 2023 1:00 PM EDT

Sampling Point:
B5W16

B5W16

Sample area of wetland data point B5W16.

Direction

Lat Lon from point
42.98714211, -78.60670581

683 Elevation in feet

Photo date: Wed, Sep 13, 2023 12:44 PM EDT

Project: Griener and Strickler Parcel

Region: Northcentral and Northeast

Sampling Point:
B5W16

B5W16 South

Looking south from sample point B5W16.

Direction

Lat Lon from point
42.98714211, -78.60670581

683 Elevation in feet

Photo date: Wed, Sep 13, 2023 12:44 PM EDT

Sampling Point:
A39U17

A39U17

Sample are of upland data point A39U17.

Direction

Lat Lon from point
42.98764524, -78.60606683

683 Elevation in feet

Photo date: Wed, Sep 13, 2023 1:09 PM EDT

Project: Griener and Strickler Parcel

Region: Northcentral and Northeast

Sampling Point:
A39W18

A39W18

Sample are of wetland data point A39W18.

Direction

Lat Lon from point
42.98770332, -78.60572384

683 Elevation in feet

Photo date: Wed, Sep 13, 2023 1:10 PM EDT

Sampling Point:

Stream Channel South

Stream channel of Stream 1, looking south.

Direction

Lat Lon from photo
42.98742222, -78.60626111

659 Elevation in feet

Photo date: Wed, Sep 13, 2023 1:01 PM EDT

Project: Griener and Strickler Parcel

Region: Northcentral and Northeast

Sampling Point:

Stream Channel North

Stream channel of Stream 1, looking north.

Direction

Lat Lon from photo

42.98742222, -78.60624722

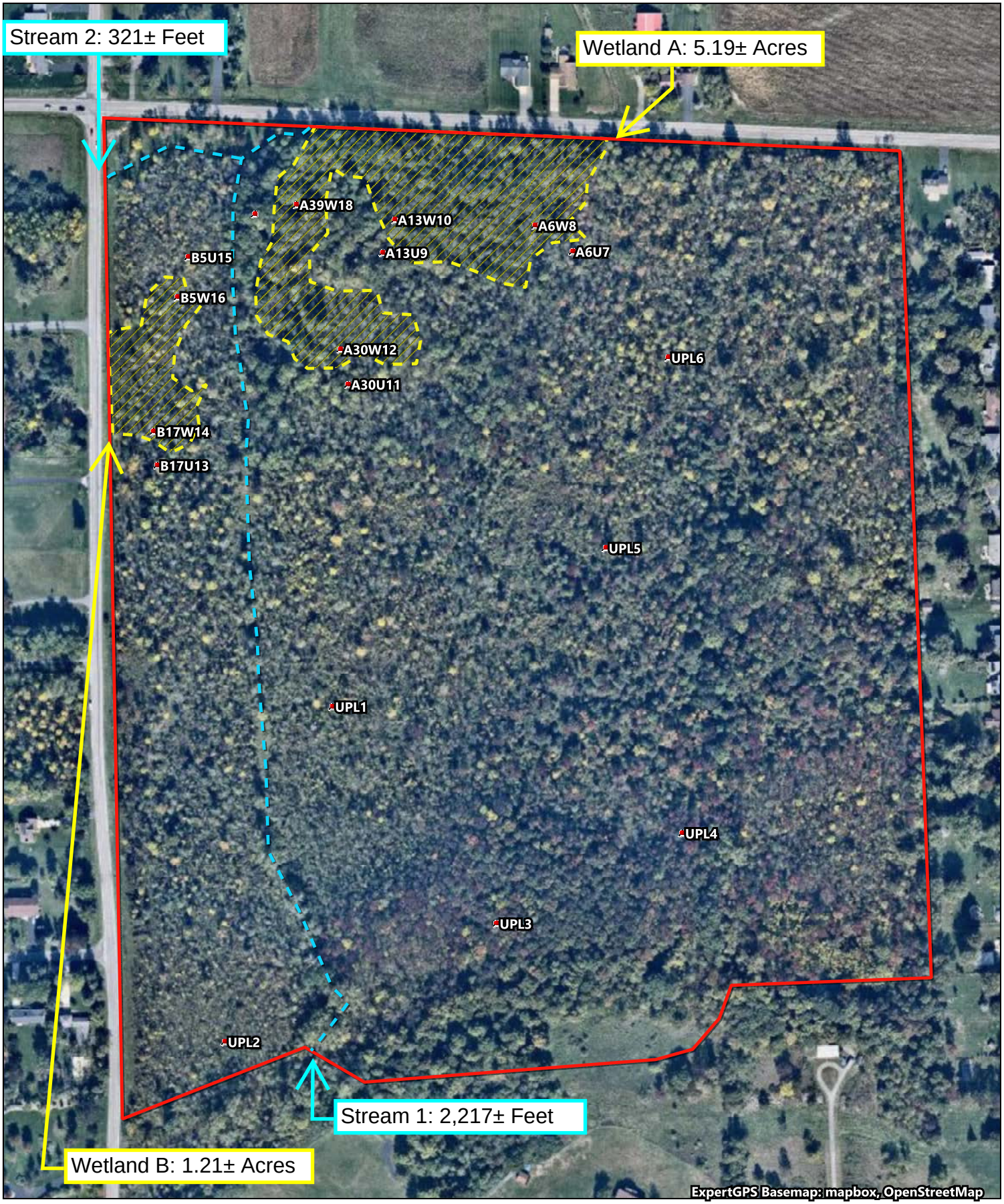
670 Elevation in feet

Photo date: Wed, Sep 13, 2023 1:01 PM EDT

Appendix D

Wetland Delineation Map

DAVEY®
Resource Group



DAVEY Resource Group

Greiner and Strickler Road, Delineation Results

MN
10°35'

6221 Goodrich Road
Clarence Center, New York 14032
Phone: (716) 741-8952
Fax: (716) 407-8915

Town of Clarence
Engineering Department

Memo

To: Jonathan Bleuer, Director of Community Development

From: Joseph Lancellotti, Asst. Municipal Engineer JL

CC: Kenneth Zollitsch, Greenman-Pederson, Inc.
Designer Homes of WNY, P.O. Box 470, East Amherst, NY 14051
Timothy Lavocat, P.E., Town Engineer
James Dussing, Highway Superintendent
File

Date: June 18, 2025

Re: Strickler-Greiner Subdivision - Preliminary Grading and Drainage Plan

---

Jon,

The Engineering Department has reviewed the Preliminary Grading and Drainage Plans dated June 5, 2025 and received on June 17, 2025. This concept level review is not an all-inclusive project review and additional comments may be warranted and provided at any time throughout the formal project review process. The below comments are to be addressed during the Development Plan review process:

1. A hydrogeologic/geotechnical evaluation is required for deep excavations. Please provide a soil bore to refusal and associated hydrogeologic/geotechnical evaluation report for the deep stormwater basin and sanitary sewer pump station excavations. Soil bores are to be within excavation footprint. The report is to include, but not be limited to analysis of the deep soils, soil stability, proximity to existing structures, basin constructability, groundwater, dewatering operations, ability to hold water, etc. The engineer's report is to be stamped and signed by a hydrogeologic or geotechnical engineer licensed by the State of New York.
2. Federally and state regulated waterways and wetlands must be clearly shown on all plan sheets.
3. The land disturbance for this project appears to be greater than 1 acre and therefore a full Stormwater Pollution Prevention Plan must be developed and implemented for this project. Provide this document during the Development Plan review phase.
4. Provide private drainage easements around each detention basin. Inlet and outfall pipes to be within public drainage easements.
5. Provide all wetland delineation studies as well as any USACE and/or NYSDEC correspondence.
6. Provide complete topographical and boundary survey for the project area.
7. Greiner Road stormwater crossings must be shown on all surveys and plans. Conditions of the crossings must be noted in the narrative of the Engineer's Report and called out on the plan set if maintenance is required.
8. Provide a minimum 2' deep swale along lots 34-43.
9. Remove stoned access for all pond inlets. Access roads are only necessary for the outlets.
10. Provide a summary and calculations within the Report showing all pretreatment chambers able to pass 10-year storms without backing up.
11. Provide bank protection along the Ransom Creek tributary for slopes steeper than 3:1.

Strickler & Greiner Subdivision
August 17, 2023

Density Calculation

Current Zoning: R-SF

Total Site Acreage: 81.5± Acres

Undevelopable Acreage: 3.2± Acres
Due to steep slopes, drainage course

Available Acreage: 78.3± Acres

Available Acreage minus 10% for streets:

78.3 minus 10% = 70.47 Acres

Minimum lot area for R-SF: 20,000 sq. ft.
Acreage Available: 70.47 Acres or 3,069,673 sq. ft.
3,069,673/20,000 = 153.48 or 153 lots

TOTAL LOTS AVAILABLE: 153

November 14, 2025

Campbell Higle
NYSHPO

Re: **SITE INVESTIGATION**
STRICKLER & GREINER Rd SUBDIVISION
PROJECT #24PR07912

Dear Campbell,

Per your request, we have investigated our project site for the potential of an existing farmers stone wall on site as well as obtained photos of 10352 Main Street.

For 10352 Main Street the house is located south of the proposed development site and is not part of the development Project Site. The house is situated substantially back from Main Street on a private driveway, as such we did not feel comfortable accessing the private property for photographs. Instead we have been able to obtain birds eye images of the structure. Those images are attached for your reference. Also attached is an aerial image with property lines to show the proximity of the structure on 10352 Main Street in relation to the development site.

Regarding the stone wall located on the property, this information was initially brought up by an adjacent resident at a public hearing that claimed there was a part of the historic farmers stone wall on the property. On November 13th we walked the property but were unable to locate any portions or remains of a stone wall. A few larger stones were noted and photos are attached of these stones but they were not continuous in nature and not to be able to be considered a wall, even in a decayed state. We also reviewed birdseye images of the property without foliage and were unable to note any appearances of an old wall. There is a section of the wall located off property and to the south of the project site. This image and references are noted on the attached birdseye of properties image. The rough property limits of our site are shown in red and the remnants of the wall are circled in yellow, clearly off the development property line. No evidence of a stone wall was identified on the site visit and the claims by the adjacent resident were not substantiated.

Please feel free to contact me should you require any additional information or have any further questions. Thank you.

Sincerely,

Kenneth Zollitsch
Director of Land Planning
4950 Genesee St, Suite 100
Buffalo, NY 14225

Cc: Jon Bleuer, Town of Clarence
Designer Homes of WNY
File No. 2300033

New York State
Parks, Recreation and
Historic Preservation

KATHY HOCHUL
Governor

KATHY MOSER
Acting Commissioner

November 14, 2025

Jonathan Bleuer
Director of Community Development
Town of Clarence
One Town Place
Clarence, NY 14031

Re: DEC
SGC Development LLC. Major Subdivision
Town of Clarence, Erie County, NY
24PR07912
TOC08212024

Dear Jonathan Bleuer:

Thank you for requesting the comments of the Office of Parks, Recreation and Historic Preservation (OPRHP). We have reviewed the project in accordance with the New York State Historic Preservation Act of 1980 (Section 14.09 of the New York Parks, Recreation and Historic Preservation Law). These comments are those of the OPRHP and relate only to Historic/Cultural resources. They do not include potential environmental impacts to New York State Parkland that may be involved in or near your project.

Based upon this review, it is the opinion of OPRHP that no properties, including archaeological and/or historic resources, listed in or eligible for the New York State and National Registers of Historic Places will be impacted by this project.

If further correspondence is required regarding this project, please be sure to refer to the OPRHP Project Review (PR) number noted above. If you have any questions, please contact Campbell Higle at the following email address:

Campbell.Higle@parks.ny.gov

Sincerely,

R. Daniel Mackay

Deputy Commissioner for Historic Preservation
Division for Historic Preservation

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: Strickler & Greiner Rd Subdivision		
Project Location (describe, and attach a general location map): Southeast corner of Strickler and Greiner Roads (72.01-4-6, 72.01-4-7, 72.01-4-8, & 72.01-4-9)		
Brief Description of Proposed Action (include purpose or need): Action consists of a proposed development on an 81.5 acre parcel of land located at the southeast corner of Strickler and Greiner Roads in the Town of Clarence. The Project Site is properly zoned Residential Single-Family pursuant to the Town of Clarence Zoning Map. The proposed residential subdivision has been defined broadly to include all required approvals and permits and all proposed site improvements including the proposed single-family homes, roadway improvements, on-site sanitary sewer and water infrastructure, a storm water management system, curb cuts, and all required utility connections and improvements. The proposed development will consist of 62± lots and utilizes the incentive lot to reduce lot size and maintain approximately 40% of the property as greenspace.		
Name of Applicant/Sponsor: Designer Homes of WNY	Telephone: (716) 741-1402 E-Mail: spauldinggreen@gmail.com	
Address: PO Box 470		
City/PO: East Amherst	State: NY	Zip Code: 14051
Project Contact (if not same as sponsor; give name and title/role): Ken Zollitsch	Telephone: (716) 989-3342 E-Mail: kzollitsch@gpinet.com	
Address: 4950 Genesee Street, Suite 100		
City/PO: Buffalo	State: NY	Zip Code: 14225
Property Owner (if not same as sponsor):	Telephone: E-Mail:	
Address:		
City/PO:	State:	Zip Code:

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 - Final Plat	To be determined
b. City, Town or Village Planning Board or Commission ☑Yes ☐No	Planning Board - Development Plan, SEQR	To be determined
c. City, Town or Village Zoning Board of Appeals ☐Yes ☑No		
d. Other local agencies ☐Yes ☑No		
e. County agencies ☑Yes ☐No	ECWA - Waterline, ECHD - Sanitary Sewer, Waterline, & Subdivision ECDPW - Curb Cut	To be determined
f. Regional agencies ☐Yes ☑No		
g. State agencies ☐Yes ☑No		
h. Federal agencies ☑Yes ☐No	USACE - Wetland Permit	To be determined

i. Coastal Resources.

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

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

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

C. Planning and Zoning

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):

C.3. Zoning

a. Is the site of the proposed action located in a municipality with an adopted zoning law or ordinance. ☑ Yes ☐ No
If Yes, what is the zoning classification(s) including any applicable overlay district?
Residential - Single Family (R-SF) with Incentive Lot

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

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

C.4. Existing community services.

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

b. What police or other public protection forces serve the project site?
Erie County Sheriff

c. Which fire protection and emergency medical services serve the project site?
Clarence Fire Company

d. What parks serve the project site?
Clarence Town Park

D. Project Details

D.1. Proposed and Potential Development

a. What is the general nature of the proposed action (e.g., residential, industrial, commercial, recreational; if mixed, include all components)? Residential - single family detached homes on individual lots.

b. a. Total acreage of the site of the proposed action? 81.5± acres
b. Total acreage to be physically disturbed? 45.3± acres
c. Total acreage (project site and any contiguous properties) owned or controlled by the applicant or project sponsor? 81.5± 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)
Residential - single family detached homes on individual lots.
ii. Is a cluster/conservation layout proposed? ☐ Yes ☐ No
iii. Number of lots proposed? 62
iv. Minimum and maximum proposed lot sizes? Minimum 19,250± sf Maximum 38,200± sf

e. Will the proposed action be constructed in multiple phases? ☑ Yes ☐ No
i. If No, anticipated period of construction: _____ months
ii. If Yes:
- Total number of phases anticipated 4±
- Anticipated commencement date of phase 1 (including demolition) 08 month 2025 year
- Anticipated completion date of final phase 11 month 2028 year
- Generally describe connections or relationships among phases, including any contingencies where progress of one phase may determine timing or duration of future phases: _____
First phase anticipated to be nearest Greiner Road due to sanitary sewer and storm drainage locations.

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	20±			
At completion of all phases	62			

g. Does the proposed action include new non-residential construction (including expansions)? ☐ Yes ☐ No

If Yes,

i. Total number of structures _____

ii. Dimensions (in feet) of largest proposed structure: _____height; _____width; and _____ length

iii. Approximate extent of building space to be heated or cooled: _____ square feet

h. Does the proposed action include construction or other activities that will result in the impoundment of any liquids, such as creation of a water supply, reservoir, pond, lake, waste lagoon or other storage? ☑ Yes ☐ No

If Yes,

i. Purpose of the impoundment: Stormwater detention

ii. If a water impoundment, the principal source of the water: ☐ Ground water ☐ Surface water streams ☑ Other specify: Surface stormwater runoff from impervious surfaces

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

_____

iv. Approximate size of the proposed impoundment. Volume: TBD million gallons; surface area: 1.8± acres

v. Dimensions of the proposed dam or impounding structure: N/A height; N/A length

vi. Construction method/materials for the proposed dam or impounding structure (e.g., earth fill, rock, wood, concrete): Stormwater facilities will be excavated from the existing earth.

D.2. Project Operations

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

If Yes:

i .What is the purpose of the excavation or dredging? _____

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

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

iii. Describe nature and characteristics of materials to be excavated or dredged, and plans to use, manage or dispose of them.

_____

_____

i*v.* Will there be onsite dewatering or processing of excavated materials? ☐ Yes ☐ No
If yes, describe. _____

_____

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

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

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

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

ix. Summarize site reclamation goals and plan: _____

_____

_____

b. Would the proposed action cause or result in alteration of, increase or decrease in size of, or encroachment into any existing wetland, waterbody, shoreline, beach or adjacent area? ☑ Yes ☐ No

If Yes:

i. Identify the wetland or waterbody which would be affected (by name, water index number, wetland map number or geographic description): Potential impacts of ditch located on site and minor impact to potential federal jurisdictional wetland.

_____

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:
Potential placement of culvert across existing ditch for proposed road crossing and minor filling of wetlands for site infrastructure.

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

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

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

v. Describe any proposed reclamation/mitigation following disturbance: _____
Any necessary mitigation to be in conformance with USACE requirements.

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: 32,550± gallons/day

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

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

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

- Describe extensions or capacity expansions proposed to serve this project: _____
  Extension of waterlines into subdivision to service the proposed lots.
- Source(s) of supply for the district: Lake Erie/Erie County Water Authority

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

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

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

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

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

i. Total anticipated liquid waste generation per day: 21,700± gallons/day

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

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

- Name of wastewater treatment plant to be used: Town of Amherst Waste Water Treatment Plant
- Name of district: Erie County Sewer District No. 5
- 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

- 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: _____

  Extension of sanitary sewer line into subdivision to service proposed lots.

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

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

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

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

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

If Yes:

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

_____ Square feet or 8.0± acres (impervious surface)

_____ Square feet or 81.5 acres (parcel size)

ii. Describe types of new point sources. Stormwater outlets from detention basins/facilities

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

Stormwater runoff will be directed to stormwater facilities on site which will then outlet to a tributary of Ransom Creek located on site.

- If to surface waters, identify receiving water bodies or wetlands: _____

  Tributary to Ransom Creek
- 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)

Heavy equipment emissions during site construction.

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

Potential for power generators during site construction.

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

None

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)

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

If Yes:

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

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

_____

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

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

_____

_____

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

If Yes:

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

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

_____

iii. Parking spaces: Existing _____ Proposed _____ Net increase/decrease _____

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

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

_____

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

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

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

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

If Yes:

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

_____

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

_____

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

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

i. During Construction:

- Monday - Friday: 7am - 6pm or as allowed by Town
- Saturday: 7am - 6pm or as allowed by Town
- Sunday: N/A
- Holidays: N/A

ii. During Operations:

- Monday - Friday: N/A
- Saturday: N/A
- Sunday: N/A
- Holidays: N/A

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

If yes:

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

Operation of construction vehicles during site work only, temporary in nature.

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

Describe: _____

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

If yes:

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

Street fixtures and lighting on single family homes.

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

Describe: _____

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

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

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

If Yes:

i. Product(s) to be stored _____

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

iii. Generally, describe the proposed storage facilities:_____

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

If Yes:

i. Describe proposed treatment(s):

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

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

If Yes:

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

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

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

- Construction: _____
- Operation: _____

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

- Construction: _____
- Operation: _____

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

If Yes:

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

ii. Anticipated rate of disposal/processing:

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

iii. If landfill, anticipated site life: _____ years

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

If Yes:

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

_____

_____

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

_____

_____

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

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

_____

_____

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

If Yes: provide name and location of facility: _____

_____

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

_____

_____

E. Site and Setting of Proposed Action

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

a. Existing land uses.

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

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

ii. If mix of uses, generally describe:

_____

_____

b. Land uses and covertypes on the project site.

Land use or Covertype	Current Acreage	Acreage After Project Completion	Change (Acres +/-)
• Roads, buildings, and other paved or impervious surfaces	-	8.0±	+ 8.0
• Forested	71.7±	28.6±	- 43.1
• Meadows, grasslands or brushlands (non-agricultural, including abandoned agricultural)	4.5±	1.2±	- 3.3
• Agricultural (includes active orchards, field, greenhouse etc.)	-	-	-
• Surface water features (lakes, ponds, streams, rivers, etc.)	0.2±	2.0±	+ 1.8
• Wetlands (freshwater or tidal)	5.1±	5.0±	- 0.1
• Non-vegetated (bare rock, earth or fill)	-	-	-
• Other Describe: Lawns & Landscaping	-	36.7±	+ 36.7

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:

Clarence Middle School, St. Joseph's

e. Does the project site contain an existing dam? ☐ Yes ☐ No

If Yes:

i. Dimensions of the dam and impoundment:

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

ii. Dam's existing hazard classification: _____

iii. Provide date and summarize results of last inspection:

_____

_____

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

If Yes:

i. Has the facility been formally closed? ☐ Yes ☐ No

- If yes, cite sources/documentation: _____

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

_____

_____

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

_____

g. Have hazardous wastes been generated, treated and/or disposed of at the site, or does the project site adjoin property which is now or was at one time used to commercially treat, store and/or dispose of hazardous waste? ☐ Yes ☐ No

If Yes:

i. Describe waste(s) handled and waste management activities, including approximate time when activities occurred:

_____

_____

h. Potential contamination history. Has there been a reported spill at the proposed project site, or have any remedial actions been conducted at or adjacent to the proposed site? ☐ Yes ☐ No

If Yes:

i. Is any portion of the site listed on the NYSDEC Spills Incidents database or Environmental Site Remediation database? Check all that apply: ☐ Yes ☐ No

☐ Yes – Spills Incidents database Provide DEC ID number(s): _____

☐ Yes – Environmental Site Remediation database Provide DEC ID number(s): _____

☐ Neither database

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

_____

_____

iii. Is the project within 2000 feet of any site in the NYSDEC Environmental Site Remediation database? ☐ Yes ☑ No

If yes, provide DEC ID number(s): _____

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

_____

_____

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? 6+ average feet

b. Are there bedrock outcroppings on the project site? ☑ Yes ☐ No
If Yes, what proportion of the site is comprised of bedrock outcroppings? 1.7 %

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

OvB - Ovid	26.7 %
CgB - Cazenovia	23.1 %
OvA - Ovid	20.0 %

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

e. Drainage status of project site soils:
☑ Well Drained: 35.7 % of site
☐ Moderately Well Drained: _____ % of site
☑ Poorly Drained 64.3 % of site

f. Approximate proportion of proposed action site with slopes:
☑ 0-10%: 98.3 % of site
☐ 10-15%: _____ % of site
☑ 15% or greater: 1.7 % of site

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

h. Surface water features.

i. Does any portion of the project site contain wetlands or other waterbodies (including streams, rivers, ponds or lakes)? ☑ Yes ☐ No

ii. Do any wetlands or other waterbodies adjoin the project site? ☑ Yes ☐ No

If Yes to either *i* or *ii*, continue. If No, skip to E.2.i.

iii. Are any of the wetlands or waterbodies within or adjoining the project site regulated by any federal, state or local agency? ☑ Yes ☐ No

iv. For each identified regulated wetland and waterbody on the project site, provide the following information:

- Streams: Name _____ Classification _____
- Lakes or Ponds: Name _____ Classification _____
- Wetlands: Name 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:Ransom Creek, Upper, and tribs – Pathogens;D.O./Oxygen Demand – Recreation;Aquatic Life

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

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

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

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

i. Name of aquifer: _____

m. Identify the predominant wildlife species that occupy or use the project site:
General suburban and woodland wildlife

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: _____

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

If Yes:

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

ii. Name: _____

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

_____

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

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

If Yes:

i. Describe possible resource(s): _____

ii. Basis for identification: _____

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

If Yes:

i. Identify resource: _____

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

iii. Distance between project and resource: _____ miles.

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

If Yes:

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

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

F. Additional Information

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

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

G. Verification

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

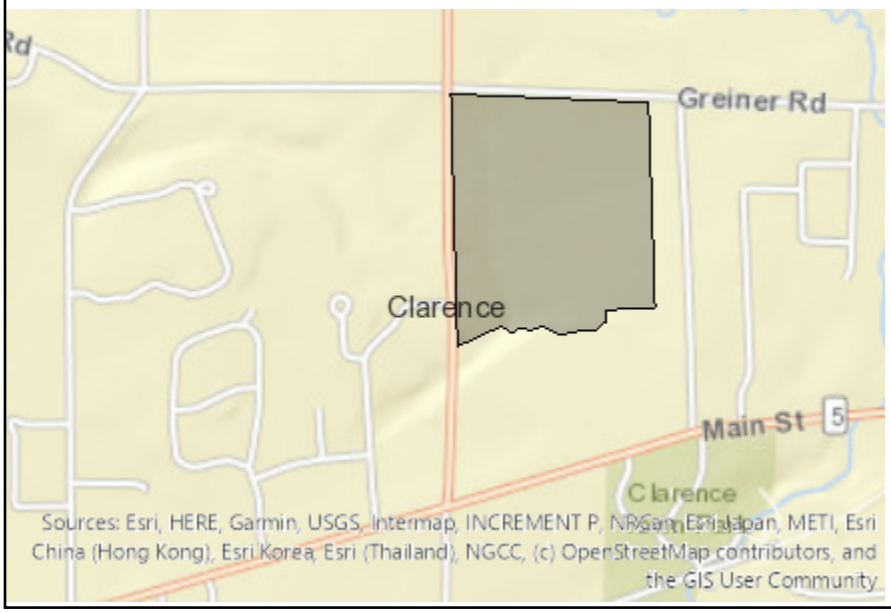
Applicant/Sponsor Name Designer Homes of WNY Date 8/23/24

Signature Kenneth C. Zollitsch Title Project Manager

PRINT FORM

EAF Mapper Summary Report

Monday, June 5, 2023 2:48 PM



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

B.i.i [Coastal or Waterfront Area]	No
B.i.ii [Local Waterfront Revitalization Area]	No
C.2.b. [Special Planning District]	Yes - Digital mapping data are not available for all Special Planning Districts. Refer to EAF Workbook.
C.2.b. [Special Planning District - Name]	NYS Heritage Areas:West Erie Canal Corridor
E.1.h [DEC Spills or Remediation Site - Potential Contamination History]	Digital mapping data are not available or are incomplete. Refer to EAF Workbook.
E.1.h.i [DEC Spills or Remediation Site - Listed]	Digital mapping data are not available or are incomplete. Refer to EAF Workbook.
E.1.h.i [DEC Spills or Remediation Site - Environmental Site Remediation Database]	Digital mapping data are not available or are incomplete. Refer to EAF Workbook.
E.1.h.iii [Within 2,000' of DEC Remediation Site]	No
E.2.g [Unique Geologic Features]	No
E.2.h.i [Surface Water Features]	Yes
E.2.h.ii [Surface Water Features]	Yes
E.2.h.iii [Surface Water Features]	Yes - Digital mapping information on local and federal wetlands and waterbodies is known to be incomplete. Refer to EAF Workbook.
E.2.h.iv [Surface Water Features - Wetlands Name]	Federal Waters
E.2.h.v [Impaired Water Bodies]	Yes
E.2.h.v [Impaired Water Bodies - Name and Basis for Listing]	Name - Pollutants - Uses:Ransom Creek, Upper, and tribs – Pathogens;D.O./Oxygen Demand – Recreation;Aquatic Life
E.2.i. [Floodway]	No
E.2.j. [100 Year Floodplain]	No
E.2.k. [500 Year Floodplain]	No

E.2.l. [Aquifers]	No
E.2.n. [Natural Communities]	No
E.2.o. [Endangered or Threatened Species]	No
E.2.p. [Rare Plants or Animals]	No
E.3.a. [Agricultural District]	No
E.3.c. [National Natural Landmark]	No
E.3.d [Critical Environmental Area]	No
E.3.e. [National or State Register of Historic Places or State Eligible Sites]	Digital mapping data are not available or are incomplete. Refer to EAF Workbook.
E.3.f. [Archeological Sites]	Yes
E.3.i. [Designated River Corridor]	No

Agency Use Only [If applicable]

Project : SGC Development LLC. Major Subdivision

Date : 12-03-2025

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: _____		☐	☐

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	☑	☐

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	☐	☐

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	☐	☐

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: _____		☐	☐

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	☑	☐

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: _____ _____		□	□

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	☑	☐

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: _____ _____			

17. Consistency with Community Plans

The proposed action is not consistent with adopted land use plans. ☑ NO ☐ YES

(See Part 1. C.1, C.2. and C.3.)

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. ☑ NO ☐ YES

(See Part 1. C.2, C.3, D.2, E.3)

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: _____		☐	☐

PRINT FULL FORM

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.

After a thorough review with involved and interested agencies, it has been determined that the Proposed Project will not have significant adverse impacts to the environment. See attached part 3b for the reasons supporting this determination.

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

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 Clarence Planning 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: SGC Development LLC. Major Subdivision

Name of Lead Agency: Town of Clarence Planning Board

Name of Responsible Officer in Lead Agency: Robert Sackett

Title of Responsible Officer: Planning Board Chair

Signature of Responsible Officer in Lead Agency: Date: 12-03-2025

Signature of Preparer (if different from Responsible Officer) Date: 12-03-2025

For Further Information:

Contact Person: Jonathan Bleuer

Address: 1 Town Place, Clarence, NY 14031

Telephone Number: 716-741-8933

E-mail: jbleuer@clarence.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

PRINT FULL FORM

FEAF Part 3b Reasons Supporting this Determination:

Project Name: SGC Development LLC. Major Subdivision

Project Location: Southeast Corner of Strickler Road & Greiner Road

SBLs: 72.01-4-6 | 72.01-4-7 | 72.01-4-8 | 72.01-4-9

Date: 12-03-2025

Executive Summary:

The "Project Site" is located as the southeast corner of Greiner Road and Strickler Road, and consists of SBLs: 72.01-4-6 | 72.01-4-7 | 72.01-4-8 | 72.01-4-9. The Project Site consists of +/- 81.5 acres of vacant land and is zoned as Residential Single-Family ("R-SF") pursuant to the Town of Clarence Zoning Map. Additionally, the Project Site is within the boundaries of Erie County Sewer District #5. The Proposed Project is a 62-lot major subdivision with access to Strickler Road and Greiner Road. The applicant is proposing an incentive-lot design, with lots containing a minimum of 19,250 sqft and 110' of frontage. Approximately 45% of the site is proposed to remain natural as permanent greenspace.

After a thorough review with involved and interested agencies, it has been determined that the Proposed Project will not have a potentially significant adverse impact to the environment. The Proposed Project is in keeping with the zoning classifications recommended land use, design guidelines, and site layout standards. *Clarence 2030 – Town of Clarence Comprehensive Plan*, encourages context sensitive residential development within the Town of Clarence.

1. Impact on Land:

The Proposed Project involves ground disturbance to vacant and undeveloped land. The depth to water table is less than three feet in sections of the Project Site. Approximately 1.7% of the Project Site contains slopes of 15% or greater; however, construction activities in furtherance with the Proposed Project would not significantly impact nor significantly alter the areas of these sections of the Project Site.

As part of the Development Plan review, the Project Sponsor will be required to identify all excavation areas and meet the stringent standards associated with construction of areas found to contain a high-water table. Such condition shall also be given to structure foundation and basement type. Bedrock is within 5 feet of the existing ground surface on certain portions of the Project Site. While blasting is not expected, if blasting is necessary for infrastructure installation it shall be subject to compliance with all Federal, State and Local Laws and regulations. In addition, seismographs shall be deployed to monitor all blasts. Vibration and air blast over-pressure shall stay within the United States Bureau of Mines criteria. An audible warning system will be implemented to secure the blast area. Finally, and prior to any blasting, a Blast Plan shall be formulated by the blasting company on behalf of the Project Sponsor, in

compliance with all Federal State and Local Laws and regulations. The Proposed Project will not involve the excavation and removal of more than 1,000 tons of natural material.

Since the Proposed Project will result in disturbance of more than one acre of land, a Stormwater Pollution Prevention Plan ("SWPPP") prepared by a licensed engineering firm will be required and the SWPPP will need to be reviewed and approved by the Town Engineering Department prior to site disturbance. The Proposed Project will result in physical disturbance and vegetation removal; however, this potential impact is not significant since construction activities will need to comply with required applicable erosion and sediment control measures. Such erosion and sediment control measures will be specified in the engineered plans to be prepared by a licensed engineering firm as well as the required SWPPP. The proposed erosion control measures will be reviewed by the Town Engineering Department during the Development Plan Application review process. The Project Site is not located within a designated Coastal Erosion hazard area.

Currently, the Proposed Project is anticipated to occur in four (4) phases and the construction of the Proposed Project is anticipated to occur for a period of more than one year. Construction activities in furtherance of the Proposed Project will be intermittent and represent a temporary and unavoidable adverse impact that is not potentially significant. During construction, the Proposed Project will need to comply with the applicable stringent standards for stormwater quality and storm quantity management as well as applicable standards for required infrastructure improvements. This will be verified by the Town Engineering Department in connection with the Development Plan Application review process.

On June 18, 2025, the Town Engineering Department issued a memorandum confirming the completed review of the Preliminary Grading and Drainage Plans dated June 5, 2025 as prepared by Greenman-Pederson, Inc. The memorandum stated the reviewed plans provide sufficient information for purposes of the Concept Plan review process and listed eleven (11) comments to be addressed during the Development Plan review of the Proposed Project.

2. Impact Geological Features:

There are no unique or unusual land forms on the Project Site. An escarpment is part of the southern boundary of the Project Site. Disturbance to the escarpment is not proposed as part of this Proposed Project. Any proposals for deep excavations are subject to a hydrogeologic/geotechnical evaluation report as required by the Town of Clarence Engineering Department. Such report shall include, but not be limited to, analysis of the deep soils, soil stability, proximity to existing structures, basin constructability, groundwater, dewatering operations, and ability to hold water.

3. Impact on Surface Water:

The Project Site currently consists of vacant land containing vegetation and a tributary to Ransom Creek. The tributary is listed as a New York State Department of Environmental Conservation 303(d) impaired waterway per the letter dated September 26, 2024 from Timothy

P. German of the Erie County Department of Environment and Planning ("ECDEP"). The management of stormwater from impervious surfaces on the Project Site will require the installation of a stormwater management system. The stormwater management system will be designed by a licensed engineering firm to collect, discharge and improve the quality of surface water. The stormwater management system to be installed will be required to comply with the applicable stringent stormwater quality and quantity standards of the New York State Department of Environmental Conservation ("NYSDEC") and the applicable standards of the Town of Clarence.

In a letter dated September 6, 2024 from Lisa M. Czechowicz of the NYSDEC, it was stated that the Project Site may include federally regulated wetlands based on a review of the National Wetlands Inventory wetland mapping. The aforementioned letter also stated that amendments to the NYSDEC's freshwater wetlands regulations may have an impact upon the Proposed Project. The Project Sponsor preformed a wetland delineation that identified wetlands that will potentially fall under the regulatory jurisdiction of the United States Army Corp of Engineers ("USACE"). The Proposed Project is designed to largely avoid the wetlands; however, The Project Sponsor shall comply with all applicable standards and obtain all necessary permits associated with the USACE and NYSDEC.

The Project Site is located within Erie County Sewer District No. 5. ("ECSD No. 5"). In a letter dated September 26, 2024 from Michael Larson of the Erie County Division of Sewerage Management ("ECDSM"), the following comments were provided:

1. The Proposed Project is located within ECSD No. 5. The sanitary sewers near the Proposed project are owned by the Town of Clarence. The sanitary flows are tributary to the Town of Clarence interceptor and trunk lines and ultimately travel to the Amherst Wastewater Treatment Facility.
2. Review and approval of any proposed sanitary sewers is required by ECDSM.
3. Sanitary sewer system design shall be in accordance with Ten States Standards and Erie County Sewer District Rules and Regulations and Design Requirements.
4. A Downstream Sewer Capacity Analysis ("DSCA") may be required for this project.
5. Sanitary sewer inflow and infiltration ("I/I") removal work in ECDS No. 5 may be required for this project.

4. Impact on Groundwater:

There will be minimal additional ground water introduced as a result of the Proposed Project. A portion of the post development site stormwater will be collected, managed and disbursed on-site for eventual percolation into the groundwater system through stormwater detention areas, as designed and permitted to meet Federal, State, and Local standards.

The Proposed Project will connect to existing water services and will require review and approval by the Erie County Water Authority ("ECWA"). The Project Sponsor identified that there will be a need for new water services requiring anticipated water usage / demand per day of

approximately +/- 32,550 gallons. Any new water service must be reviewed and approved by the Erie County Water Authority ("ECWA") prior to service. The Project Sponsor shall coordinate with the ECWA during the Development Plan review process.

5. Impact on Flooding:

The Project Site does not fall within a 100-year floodplain, nor is it located within a designated floodway. The Proposed Project will require modification of existing drainage patterns. Any future Development Plan submittal shall include an Engineer's Report and full grading and drainage plans and details prepared by a licensed engineering firm for review by the Town prior to Development Plan Approval. In addition, the Proposed Project will include the implementation of NYSDEC compliant stormwater management practices.

6. Impacts on Air:

The Proposed Project does not involve a State regulated air emission source.

7. Impact on Plants and Animals:

The Proposed Project will result in the clearing of existing vegetation on the Project Site. There was no documented presence of protected, threatened or endangered species on the Project Site as confirmed by lead agency concurrence letter issued by the NYSDEC dated September 6, 2024. A landscape plan prepared by a registered landscape architect will need to be reviewed and approved by the Town Landscape Review Committee for the purpose of introducing native and beneficial vegetation to the Project Site. Additionally, the landscape plan shall include, at a minimum, two street trees per building lot and vegetative buffer between the newly created lots and existing lots along Hillcrest Drive. Additionally, the Project Sponsor is proposing an incentive-lot design that will leave approximately 45% of the Project Site as natural permanent greenspace.

8. Impact on Agricultural Resources:

The Project Site does not contain agricultural resources and is not located in a County Agricultural District. Additionally, there are no agricultural fields currently on the Project Site and a majority of the undeveloped portions of the Project Site are naturally occurring vegetations and mowed fields. As such, the Proposed Project will not result in any adverse impacts to agricultural resources. In a letter dated September 26, 2024 from Timothy P. German of the ECDEP, it was stated that the Project Site is located adjacent to a parcel that is enrolled in the Erie County North Agricultural District. The Proposed Project does not sever, cross or otherwise limit access to agricultural land. Additionally, the Proposed Project does not pose a potentially significant adverse impact to soil classified within soil group 1 through 4 of the NYS Land Classification System.

9. Impact on Aesthetic Resources:

The Project Site is located on Greiner Road and Strickler Road, which are Erie County roadways. The Proposed Project is a residential single-family development and is not in sharp

contrast to the nearby land use patterns. Surrounding land use patterns include numerous residential uses, agricultural uses, and a senior living facility. Furthermore, the Proposed Project is consistent with the *Clarence 2030 – Town of Clarence Comprehensive Plan ("Clarence 2030")*, which calls for this section of Town to be designated for residential uses. While there may be officially designated federal, state, or local scenic or aesthetic resources within 5 miles of the Project Site, the Proposed Project would not eliminate or significantly screen an officially designated scenic or aesthetic resource.

10. Impact on Historic and Archeological Resources:

The Project Site is located in, or is adjacent to, an area designated as sensitive by the New York State Historic Preservation Office ("SHPO") archeological site inventory. In a letter dated September 3, 2024 from Sydney Snyder of SHPO, it was stated that a Phase 1A/1B archaeological survey should be performed for components of the Project Site that will involve ground disturbance, unless substantial prior ground disturbance can be documented. The Project Sponsor conducted a Stage 1 Archaeological Investigation for the Project Site. The aforementioned report suggested that no further investigation was needed for the Project Site. In a letter dated September 26, 2025 from Sydney Snyder of SHPO, it was stated that the aforementioned Archaeological Investigation identified and examined the Wiltse Farm Site (UB 2787; USN 02907.000716). Based on the report findings, SHPO recommends that the Wiltse Farm Site is not eligible for inclusion in the State and National Registers of Historic Places. The letter dated September 26, 2025 also stated that SHPO concurs with the report recommendations that no additional archaeological work is necessary.

In a letter dated November 14, 2025 from the Project Sponsor it was stated that a walkthrough of the Project Site was conducted on November 13, 2025 to investigate the location of an alleged stone wall. No stone wall was found as a result of the walkthrough and aerial photography review. In a letter dated November 14, 2025 from Daniel Mackay of SHPO, it was stated that SHPO has reviewed the Proposed Project in accordance with the New York State Historic Preservation Act of 1980 and based upon its review it is the opinion of SHPO that no properties, including archaeological and/or historic resources, listed or eligible for the New York State and National Registers of Historic Places will be impacted by this Proposed Project.

11. Impact on Open Space and Recreation:

The Proposed Project that consists of privately owned property will not result in a loss of recreational opportunities or a reduction of protected open space as designated in an adopted municipal open space plan. As part of this Proposed Project, the site will be required to include a recreational component, as approved by the Town of Clarence, for the use of the residents. In the conceptual stages, the Proposed Project includes sidewalks along the newly proposed roadways within the Project Site, and a recreational easement designated to the Town of Clarence along Greiner Road and Strickler Road. While the Project Site is used as an informal open space resource by the community, Map 8 ("Future Land Use Map") of *Clarence 2030*

designates the Project Site as appropriate for Hamlet Neighborhood. The Hamlet Neighborhood Use is described on pages 47 of *Clarence 2030.*

12. Impact on Critical Environmental Areas:

The Project Site is not located within or adjacent to a designated Critical Environmental Area.

13. Impact on Transportation:

After a thorough review by involved and interested agencies, including but not limited to the Erie County Department of Public Works ("ECDPW"), Clarence Fire Review, Clarence Highway Department ("the Highway Department'), it has been determined that the Proposed Project will not have a significant adverse impact to the existing transportation system.

There are two primary access points for the Proposed Project. One connection will be to Greiner Road, and the second connection will be to Strickler Road in line with Winding Lane. The newly created access points will accommodate emergency access to the Proposed Project. Additionally, the access points were modified per comments received during the coordinated review. In an effort to increase options for multi-model transportation, the Project Sponsor shall provide a recreational component. In the conceptual stages, the Proposed Project includes sidewalks along the newly proposed roadways within the Project Site, and a recreational easement designated to the Town of Clarence along Greiner Road and Strickler Road.

A Traffic Impact Study ("TIS") dated January 2025 was prepared by the Project Sponsor. The TIS analyzed and evaluated the potential traffic impacts that would result from the Proposed Project. Based on the aforementioned analysis, traffic generated from the Proposed Project will not have a potentially significant adverse impact to the traffic operations of the existing roadway network. The TIS was reviewed by jurisdictional controlling agencies, and in a letter dated February 24, 2025 from Gina Wilkolaski of the ECDPW it was stated that in advance of the site plans review, ECDPW has no traffic related comments.

14. Impact on Energy:

The Proposed Project will cause an increase in the use of energy compared with the Project Site's current state of vacant land; however, the overall use of power will not exceed the amount of power currently available at the site. The Proposed Project shall be designed to meet energy compliance standards through the installation of energy efficient facilities and features having minimal impact on the environment. As part of the Development Plan review process, the Project Sponsor shall coordinate with the appropriate utilities to obtain all appropriate permits as required.

15. Impact on Noise, Odor, and Light:

The potential impact from noise, odors and lighting may minimally increase from the property's current use of vacant land; however, these impacts are consistent with surrounding land use and will be mitigated through Town of Clarence Code standards. Any new lighting within

a public right-of-way that results from this proposed project shall be dark-sky compliant and shielded to avoid light pollution on to adjoining properties. Existing vegetation, along with new landscape buffering, will help reduce noise and light pollution to surrounding properties. In addition, the general impact to noise, odor and light will be consistent with existing surrounding residential land uses. There will be a temporary and unavoidable impact to noise, odor and lighting during construction; however, this is not a potentially significant adverse environmental impact.

16. Impact on Human Health:

The Project Site does not include a known source of regulated hazardous materials detrimental to human health. If regulated hazardous materials exceeding the applicable NYSDEC thresholds are unexpectedly encountered during the construction of the Proposed Project, clean-up activities compliant with Federal, State and Local standards will be completed prior to construction on the relevant portions of the Project Site.

17. Consistency with Community Plans:

In a letter dated September 26, 2024 from Timothy P. German of ECDEP it was stated:

- According to the Erie-Niagara Framework for Regional Growth (2006), the project site is located in a Developed Area. For the Developed Area, the Framework encourages localities to develop interconnected networks of streets, sidewalks and multi-use trails, as well as compact, pedestrian-oriented, mixed-use development. (Pages 47 & 48) The Town should consider these recommendations during its review.
- The Town of Clarence Comprehensive Plan (2016) identifies the project area as "Hamlet Neighborhood" in its future land use map, near the Hamlet of Clarence Hollow. The project as proposed may be out of character with this area, which is dense and walkable with a traditional linear street network. (Page 47) The Town and applicant should explore any opportunity to provide additional pedestrian or vehicle connections to Main Street to the extent feasible.

Opportunities from the Project Site to Main Street are limited by the escarpment located at the south end of the property. In the conceptual stages, the Proposed Project includes sidewalks along the newly proposed roadways within the Project Site, and a recreational easement designated to the Town of Clarence along Greiner Road and Strickler Road.

Clarence 2030 – Town of Clarence Comprehensive Plan ("*Clarence 2030*") is the Town's adopted Comprehensive Plan. *Clarence 2030* limits residential development to certain areas of the Town and defines a growth boundary to protect the rural character of the Town of Clarence. *Clarence 2030* review process began in December 2014 and was adopted by the Town Board in December of 2016 which included numerous opportunities for public input and participation. Map 8 ("Future Land Use Map") of *Clarence 2030* designates the Project Site as appropriate for Hamlet Neighborhood; specifically, the Project Site falls within the boundaries of the Clarence Hollow Hamlet Neighborhood. The Hamlet Neighborhood use is described on pages 47 of

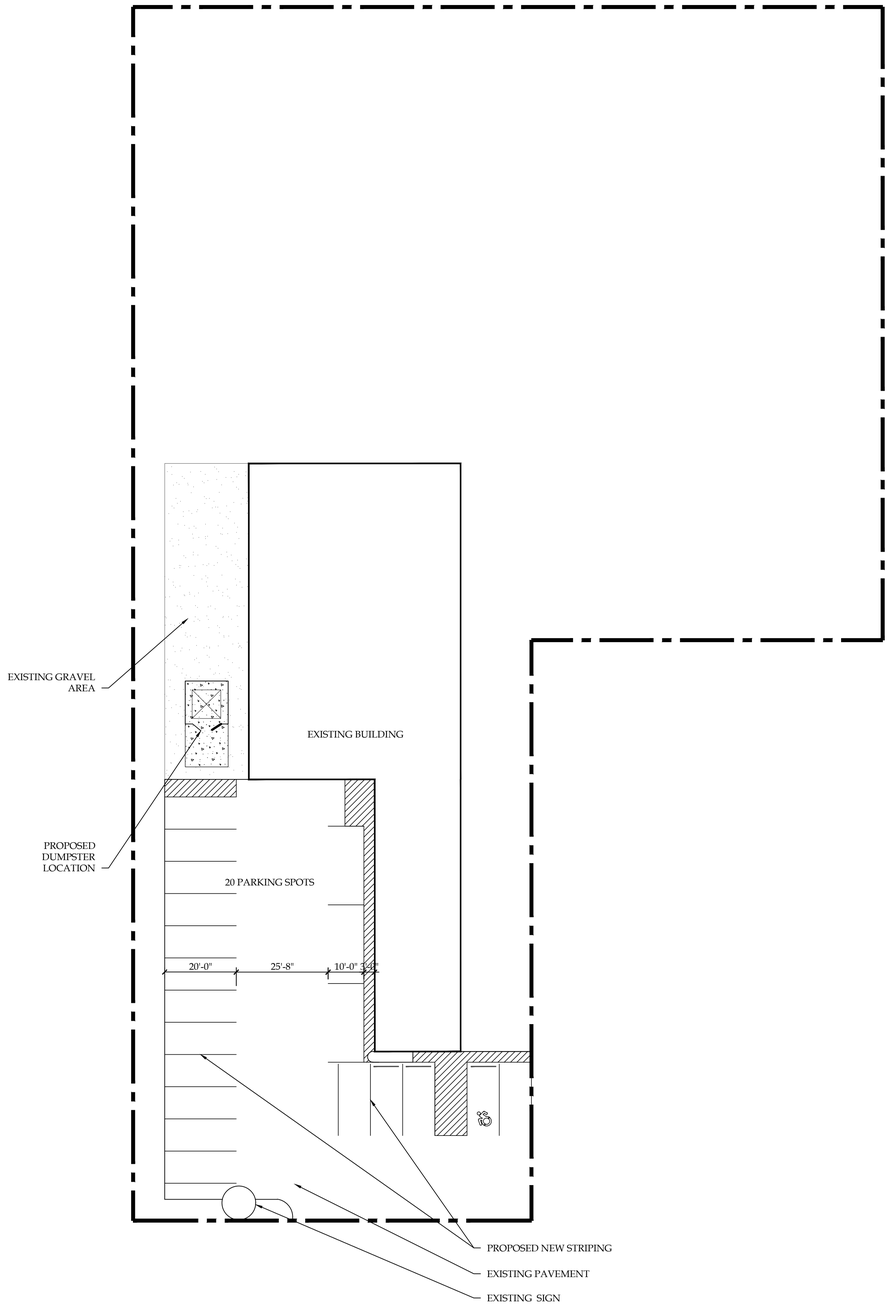
Clarence 2030. The Clarence Hollow is generally characterized by a walkable, dense, and village-like activity center that is directly accessed by surrounding residential neighborhoods. As part of *Clarence 2030*, the Town has placed an increasing emphasis on providing pedestrian connectivity throughout these areas, as well as building and site design requirements in order to achieve a higher standard of development.

18. Consistency with Community Character:

Strickler Road and Greiner Road are Erie County roadways made up of a mixture of land uses, including residential homes, agricultural lands, and schools. The Proposed Project will not be in sharp contrast to existing community character. The Proposed Project is compliant with the Town's allowable uses for the underlying zoning classification.

The Proposed Project is subject to the guidelines and restrictions set forth by the Town Zoning Code for Residential Single-Family and *Clarence 2030*. The Proposed Project is consistent with the stringent standards for the Residential Single-Family zoning classification and the Town of Clarence subdivision of land regulations. The layout of the Proposed Project fulfills a transitional land-use pattern, whereby the Proposed Project allows the gradual transition from the commercial uses along Main Street to the south of the Project Site to the rural residential settings to the north of the Project Site. This transitional land use pattern achieves compatibility between existing and proposed land uses.

As part of the coordinated review for this Proposed Project, Clarence Fire District #1 and the Clarence Central School District were listed as involved / interested agencies. A copy of the full application was provided to all listed agencies as part of the coordinated review under SEQRA, and all agencies were provided an opportunity to comment on the Proposed Project. The Project Site is vacant land with no existing structures and no designated public resources.



N

A2 STRIPING PLAN
1" = 20'-0"

PROPOSED PARKING LOT STRIPING FOR

5844 GOODRICH RD.
CLARENCE, NY

ISSUE:

SA PROJECT TEAM: PRINCIPAL P.Silvestri
PROJ. ARCH. _____ DRAFTER _____
JOB CAPT. _____ INTERIORS _____

SEAL:

TITLE:

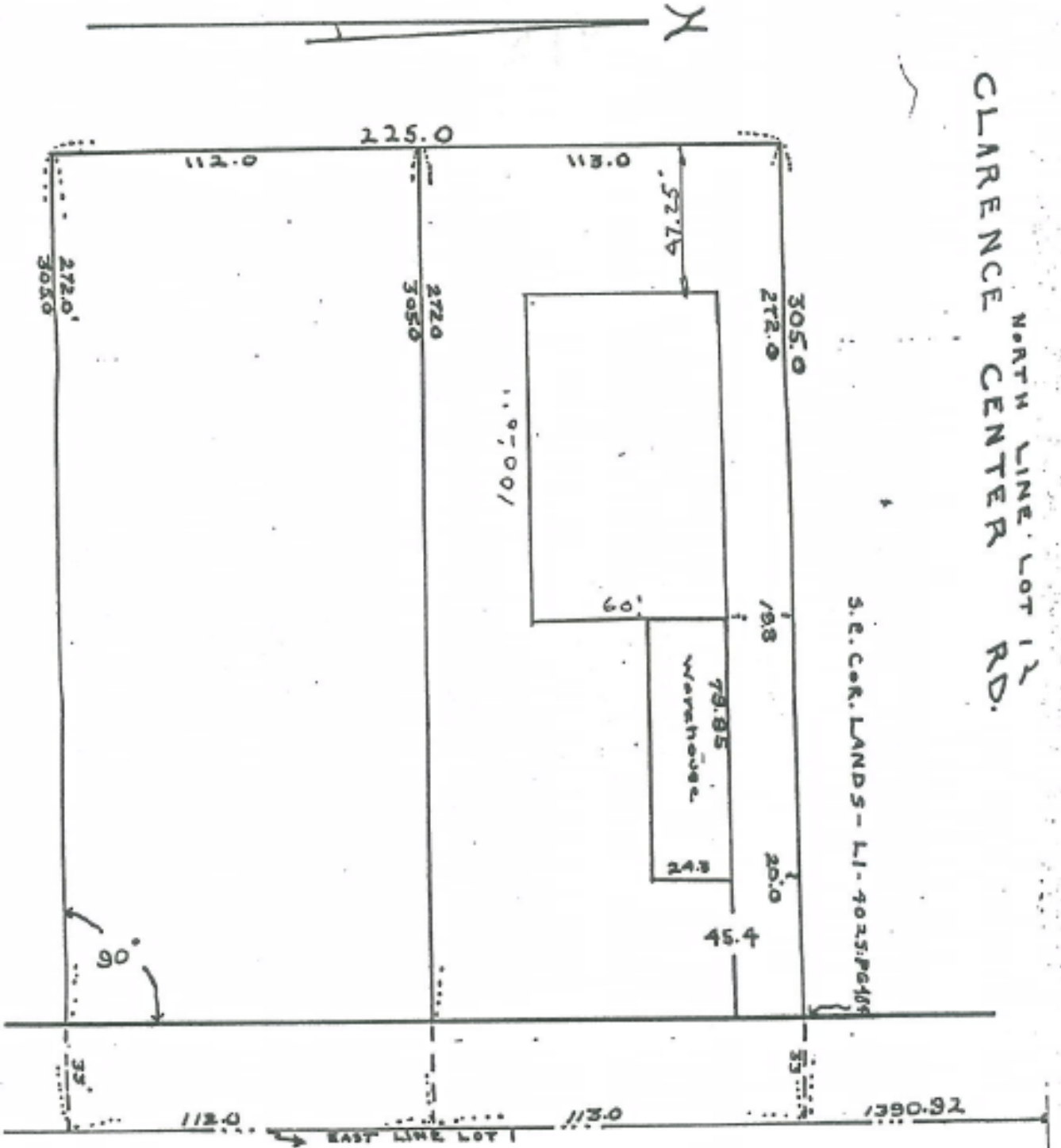
STRIPING PLAN

SILVESTRI
ARCHITECTS · PC
1321 MILLERSPORT HWY PH. 716.691.0900
AMHERST, NY 14221 FAX 716.691.4773

SA JOB #: 25107.01

DATE: 11-24-25

DRAWING #: AS-101



SURVEY

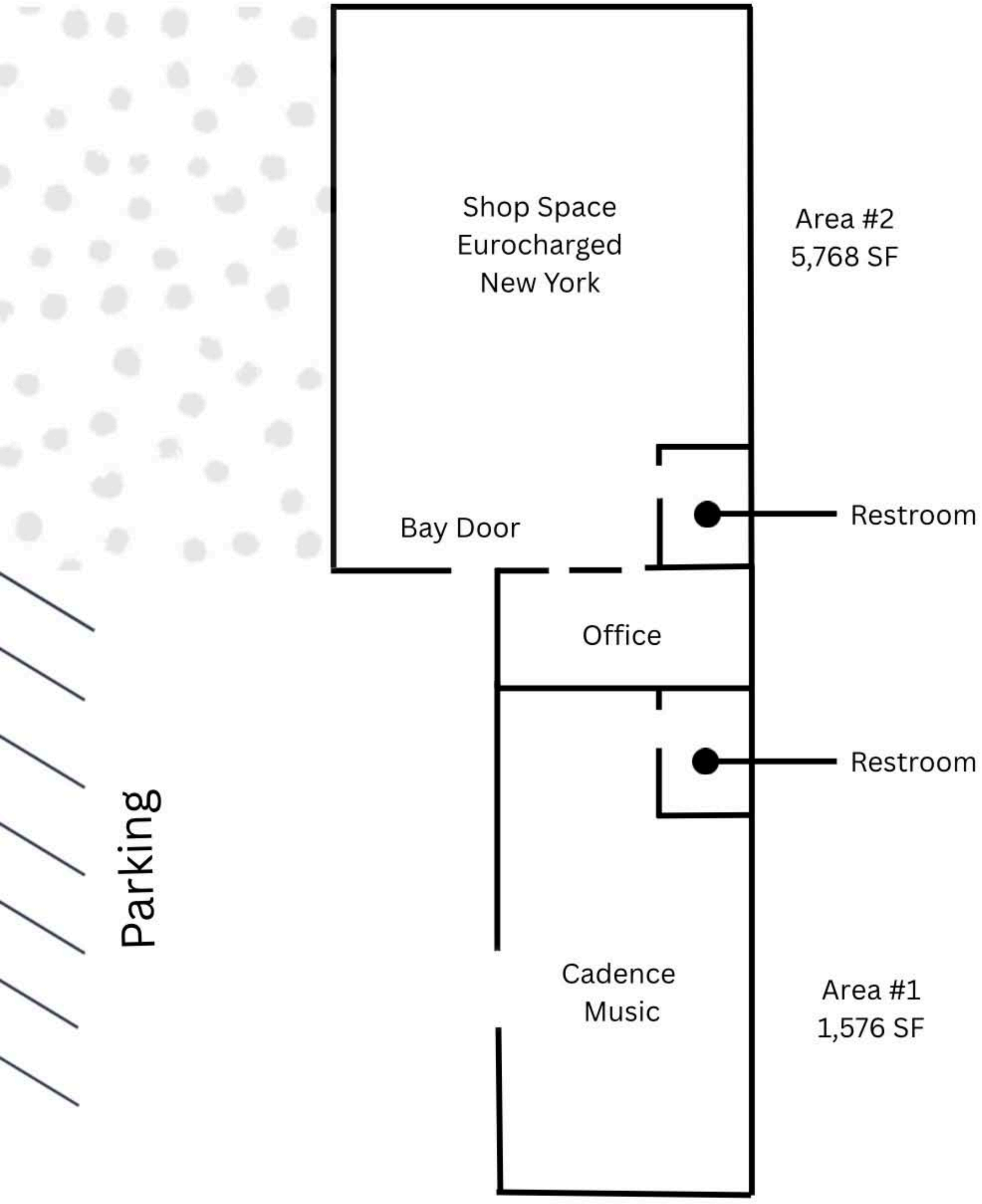
Sub. Lot. PARCEL of LAND
Town of CLARENCE
City of
Village of

Cover Lot 1: SEC. 11
Erie County T: 12; R: 6
New York State

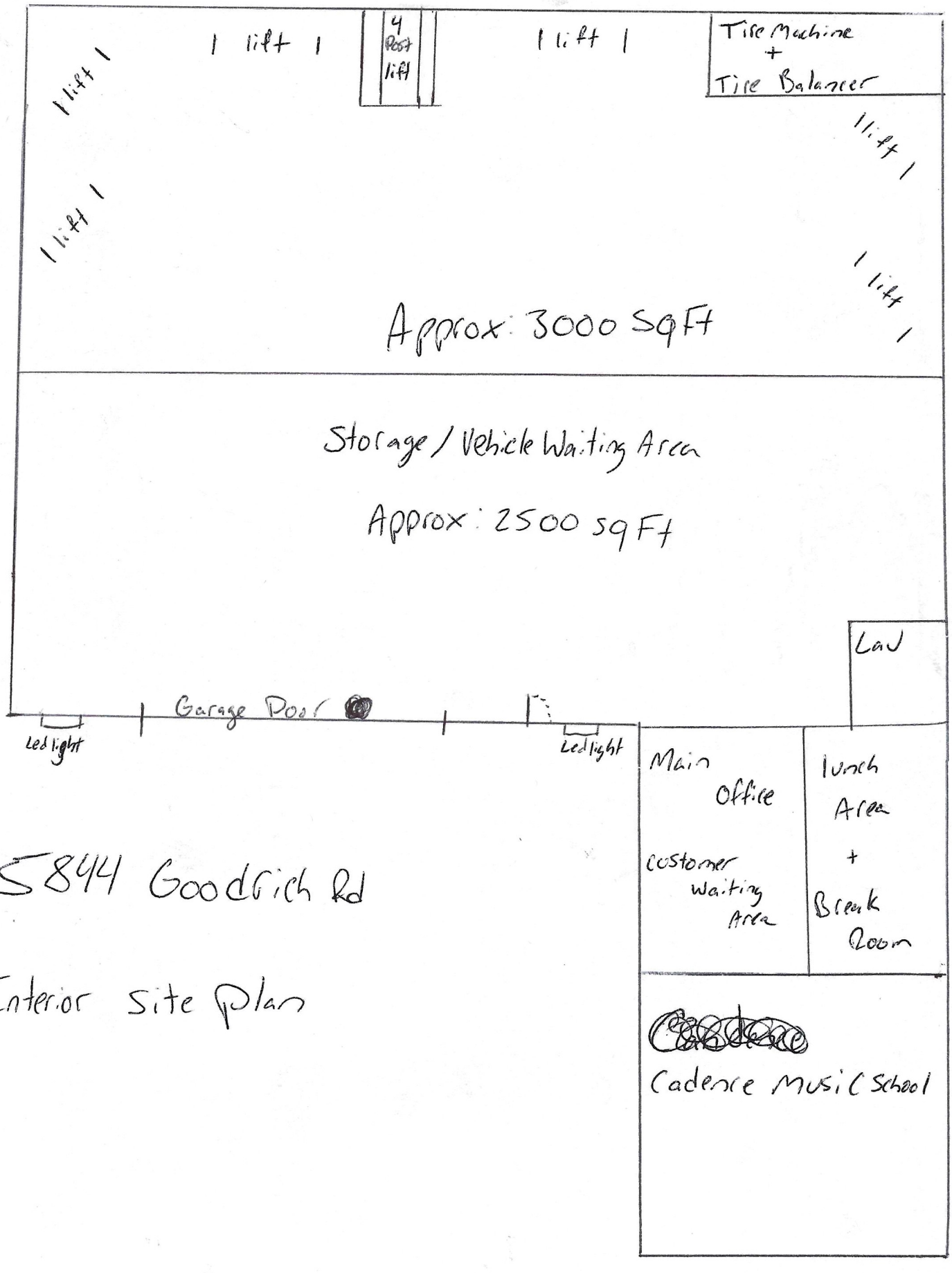
Scale 1" = 40

Date 7-3-70

E. C. MESNER
License No. 9887
5-5144 Murphy Rd., Orchard Park, N.



5844 Goodrich Road



5844 Goodrich Rd

Interior site plan

Eurocharged NY – Business Plan

Executive Summary

Eurocharged NY, owned and operated by Kyle Whalen, is a professional European automotive repair and performance facility located in Clarence, NY. The business specializes in European vehicle repair, diagnostics, performance tuning, custom ECU tuning, and maintenance. With a commitment to quality workmanship and customer satisfaction, Eurocharged NY aims to provide reliable, high-end automotive services to the Clarence community and surrounding areas.

Business Overview

Eurocharged NY operates as a Limited Liability Company (LLC) and is focused primarily on European vehicles, including Audi, BMW, Mercedes-Benz, Volkswagen, and Porsche. The facility consists of approximately 5,750 square feet of indoor space and is equipped with five service bays. All operations will be conducted indoors with no outdoor vehicle storage, ensuring a clean and organized appearance that aligns with community standards.

Services Offered

- European vehicle repair and maintenance - Diagnostic services and troubleshooting - Performance upgrades and custom ECU tuning - Specialized service for high-performance European makes - Preventative maintenance and inspections

Market & Community Benefit

Eurocharged NY fills a growing demand for specialized European vehicle services in the Clarence area. Local residents and enthusiasts will benefit from having a professional, neighborhood-oriented facility that offers high-quality, reliable automotive care without needing to travel outside the community. The business will also contribute to the local economy through job creation, property improvement, and responsible commercial use of space.

Operations Plan

The shop will employ four skilled technicians and staff members. All repair, tuning, and maintenance work will be performed indoors to minimize noise, odors, and environmental impact. Operating hours will align with standard business times to ensure compliance with local zoning and community expectations.

Management & Structure

Eurocharged NY is managed by Kyle Whalen, who oversees day-to-day operations, customer relations, and business development. The company is structured as an LLC, ensuring responsible business practices and compliance with all state and local regulations.

Conclusion

Eurocharged NY is committed to being a positive addition to the Clarence community by offering professional, specialized automotive services in a clean, safe, and well-maintained facility. The business supports local economic growth and provides a valuable service to residents who demand high-quality care for their European vehicles.

Letter of Commitment 11/24/25

Eurocharged NY

Clarence Town Hall
One Town Place
Clarence, NY 14031

To Whom It May Concern,

I, Kyle Whalen, am writing on behalf of Eurocharged NY to formally express our commitment to operating responsibly and in full compliance with all requirements set forth by the Town of Clarence.

Eurocharged NY is a professional European automotive repair and performance facility that provides diagnostics, maintenance, tuning and related services. Our goal is to operate a clean, safe, and community-focused business that enhances the local area while adhering to all applicable codes, zoning regulations, and operational standards.

We are committed to:

• Maintaining a clean and orderly property with no outdoor storage.

• Operating within the approved business hours and all guidelines established by the Town.

• Ensuring safe traffic flow, designated parking, and responsible use of the premises.

• Upholding all environmental, safety, and building code requirements.

• Being a positive addition to the Clarence community through professional conduct and high-quality service.

Eurocharged NY is prepared to meet all conditions required for operating approval, and we look forward to working cooperatively with the Town throughout the review and approval process.

The stone set at the side of the building will be used to hold our 5-yard dumpster and will be surrounded by an approved dumpster enclosure set by the town. My exterior site plan will show exactly where the dumpster will be located.

The front of the building will have 2 downward facing led lights, with screens that will be dark sky compliant and keep the lighting shining just on our property. They will be 10" in width and protrude 6'' from the building. My exterior site plan will show where they will be installed.

The parking lot has 20 parking spots total. Four would be used by myself and my Three employees. That will leave us with 16 open spaces, which would be ample space for our customers as well as Candece music parking. They also have parking along the side of the building and the front of the building by their entrance. The parking is shown on the site plan given, and all parking lines will be painted by the landlord as soon as the weather allows.

The building is a very open layout, which will help us keep all our equipment in the back half of the building and use the entire front half for storage and parking. This will be shown in our interior site plan. We have 6 2 post lifts and one 4 post drive on lift for alignments.

Our hours of operation are Monday thru Friday from 7:30 AM until 6 PM and we are open by appointment only on Friday.

Used oil would be stored inside in an approved waste oil container, that is then picked up by a company that repurposes the oil into heat energy in their warehouse.

Thank you for your time and consideration.

Sincerely,

Kyle Whalen

Owner,
Eurocharged NY

716-939-5718

Eurochargedny@gmail.com


Cadence
MUSIC
CLOSED
LESSONS
SALES


5844
Cadence
MUSIC

NOTES

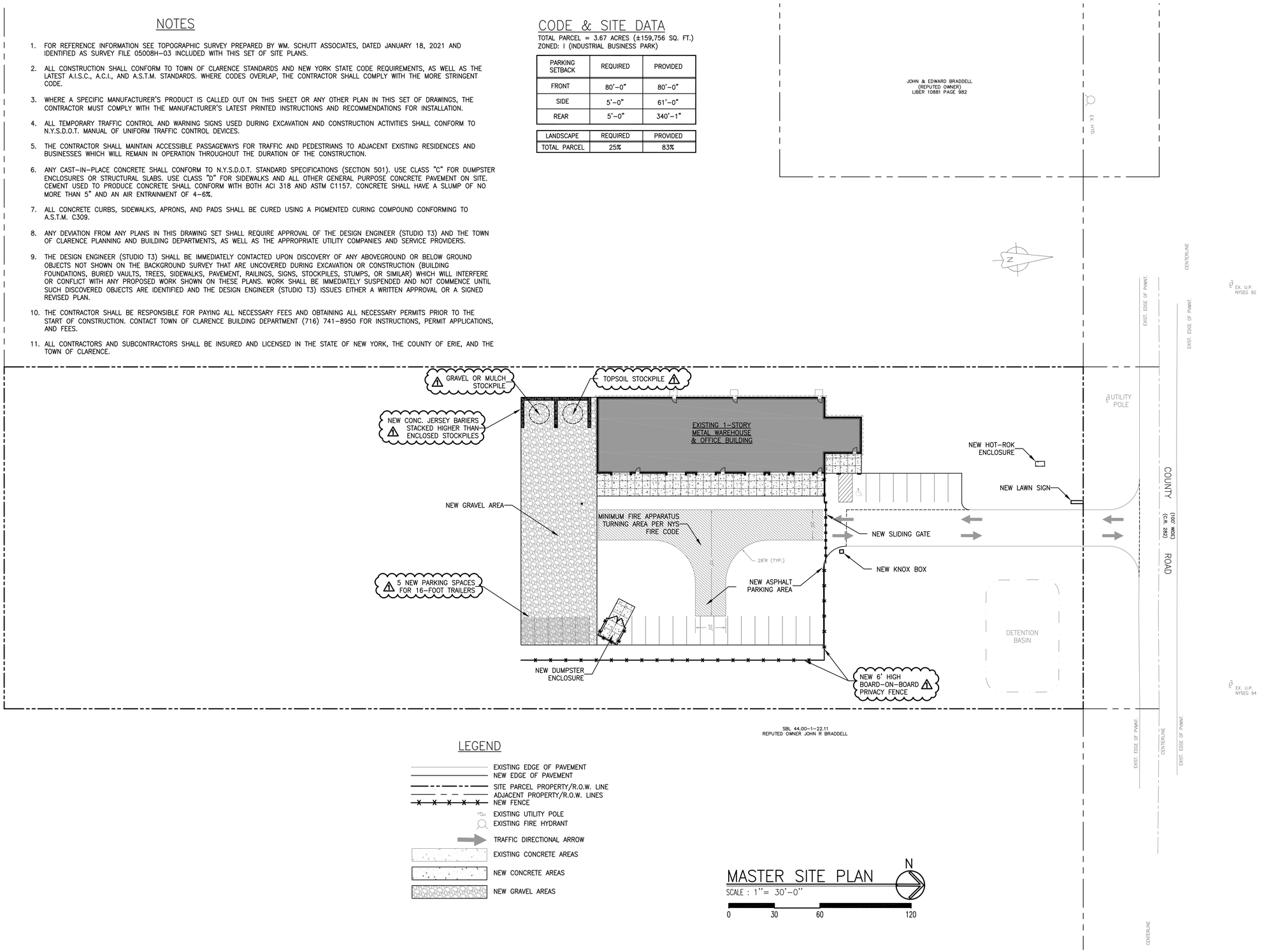
1. FOR REFERENCE INFORMATION SEE TOPOGRAPHIC SURVEY PREPARED BY WM. SCHUTT ASSOCIATES, DATED JANUARY 18, 2021 AND IDENTIFIED AS SURVEY FILE 05008H-03 INCLUDED WITH THIS SET OF SITE PLANS.
2. ALL CONSTRUCTION SHALL CONFORM TO TOWN OF CLARENCE STANDARDS AND NEW YORK STATE CODE REQUIREMENTS, AS WELL AS THE LATEST A.I.S.C., A.C.I., AND A.S.T.M. STANDARDS. WHERE CODES OVERLAP, THE CONTRACTOR SHALL COMPLY WITH THE MORE STRINGENT CODE.
3. WHERE A SPECIFIC MANUFACTURER'S PRODUCT IS CALLED OUT ON THIS SHEET OR ANY OTHER PLAN IN THIS SET OF DRAWINGS, THE CONTRACTOR MUST COMPLY WITH THE MANUFACTURER'S LATEST PRINTED INSTRUCTIONS AND RECOMMENDATIONS FOR INSTALLATION.
4. ALL TEMPORARY TRAFFIC CONTROL AND WARNING SIGNS USED DURING EXCAVATION AND CONSTRUCTION ACTIVITIES SHALL CONFORM TO N.Y.S.D.O.T. MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.
5. THE CONTRACTOR SHALL MAINTAIN ACCESSIBLE PASSAGEWAYS FOR TRAFFIC AND PEDESTRIANS TO ADJACENT EXISTING RESIDENCES AND BUSINESSES WHICH WILL REMAIN IN OPERATION THROUGHOUT THE DURATION OF THE CONSTRUCTION.
6. ANY CAST-IN-PLACE CONCRETE SHALL CONFORM TO N.Y.S.D.O.T. STANDARD SPECIFICATIONS (SECTION 501). USE CLASS "C" FOR DUMPSTER ENCLOSURES OR STRUCTURAL SLABS. USE CLASS "D" FOR SIDEWALKS AND ALL OTHER GENERAL PURPOSE CONCRETE PAVEMENT ON SITE. CEMENT USED TO PRODUCE CONCRETE SHALL CONFORM WITH BOTH ACI 318 AND ASTM C1157. CONCRETE SHALL HAVE A SLUMP OF NO MORE THAN 5" AND AN AIR ENTRAINMENT OF 4-6%.
7. ALL CONCRETE CURBS, SIDEWALKS, APRONS, AND PADS SHALL BE CURED USING A PIGMENTED CURING COMPOUND CONFORMING TO A.S.T.M. C309.
8. ANY DEVIATION FROM ANY PLANS IN THIS DRAWING SET SHALL REQUIRE APPROVAL OF THE DESIGN ENGINEER (STUDIO T3) AND THE TOWN OF CLARENCE PLANNING AND BUILDING DEPARTMENTS, AS WELL AS THE APPROPRIATE UTILITY COMPANIES AND SERVICE PROVIDERS.
9. THE DESIGN ENGINEER (STUDIO T3) SHALL BE IMMEDIATELY CONTACTED UPON DISCOVERY OF ANY ABOVEGROUND OR BELOW GROUND OBJECTS NOT SHOWN ON THE BACKGROUND SURVEY THAT ARE UNCOVERED DURING EXCAVATION OR CONSTRUCTION (BUILDING FOUNDATIONS, BURIED VAULTS, TREES, SIDEWALKS, PAVEMENT, RAILINGS, SIGNS, STOCKPILES, STUMPS, OR SIMILAR) WHICH WILL INTERFERE OR CONFLICT WITH ANY PROPOSED WORK SHOWN ON THESE PLANS. WORK SHALL BE IMMEDIATELY SUSPENDED AND NOT COMMENCE UNTIL SUCH DISCOVERED OBJECTS ARE IDENTIFIED AND THE DESIGN ENGINEER (STUDIO T3) ISSUES EITHER A WRITTEN APPROVAL OR A SIGNED REVISED PLAN.
10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PAYING ALL NECESSARY FEES AND OBTAINING ALL NECESSARY PERMITS PRIOR TO THE START OF CONSTRUCTION. CONTACT TOWN OF CLARENCE BUILDING DEPARTMENT (716) 741-8950 FOR INSTRUCTIONS, PERMIT APPLICATIONS, AND FEES.
11. ALL CONTRACTORS AND SUBCONTRACTORS SHALL BE INSURED AND LICENSED IN THE STATE OF NEW YORK, THE COUNTY OF ERIE, AND THE TOWN OF CLARENCE.

CODE & SITE DATA

TOTAL PARCEL = 3.67 ACRES (±159,756 SQ. FT.)
ZONED: I (INDUSTRIAL BUSINESS PARK)

PARKING SETBACK	REQUIRED	PROVIDED
FRONT	80'-0"	80'-0"
SIDE	5'-0"	61'-0"
REAR	5'-0"	340'-1"

LANDSCAPE	REQUIRED	PROVIDED
TOTAL PARCEL	25%	83%



LEGEND

- EXISTING EDGE OF PAVEMENT
- NEW EDGE OF PAVEMENT
- SITE PARCEL PROPERTY/R.O.W. LINE
- ADJACENT PROPERTY/R.O.W. LINES
- NEW FENCE
- EXISTING UTILITY POLE
- EXISTING FIRE HYDRANT
- TRAFFIC DIRECTIONAL ARROW
- EXISTING CONCRETE AREAS
- NEW CONCRETE AREAS
- NEW GRAVEL AREAS

MASTER SITE PLAN

SCALE : 1" = 30'-0"

N

0 30 60 120

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

GMA CONCRETE SITE MODIFICATION
9377 COUNTY ROAD
CLARENCE, NEW YORK 14032

STATE OF NEW YORK
ANDREW V. TERRACE
080634
LICENSED PROFESSIONAL ENGINEER
STAMP/SEAL

1	-	-
2	REV. PER LSCP. COMMITTEE	11/19/25
3	MINOR SITE PLAN MOD.	11/12/25

MASTER SITE PLAN

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

DRAWN BY: AVT
CHECKED BY: OST
JOB # 20-367

SHEET
C-1.0

NOTES

1. FOR REFERENCE INFORMATION SEE TOPOGRAPHIC SURVEY PREPARED BY WM. SCHUTT ASSOCIATES, DATED JANUARY 18, 2021 AND IDENTIFIED AS SURVEY FILE 05008H–03 INCLUDED WITH THIS SET OF SITE PLANS.
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3. WHERE A SPECIFIC MANUFACTURER'S PRODUCT IS CALLED OUT ON THIS SHEET OR ANY OTHER PLAN IN THIS SET OF DRAWINGS, THE CONTRACTOR MUST COMPLY WITH THE MANUFACTURER'S LATEST PRINTED INSTRUCTIONS AND RECOMMENDATIONS FOR INSTALLATION.
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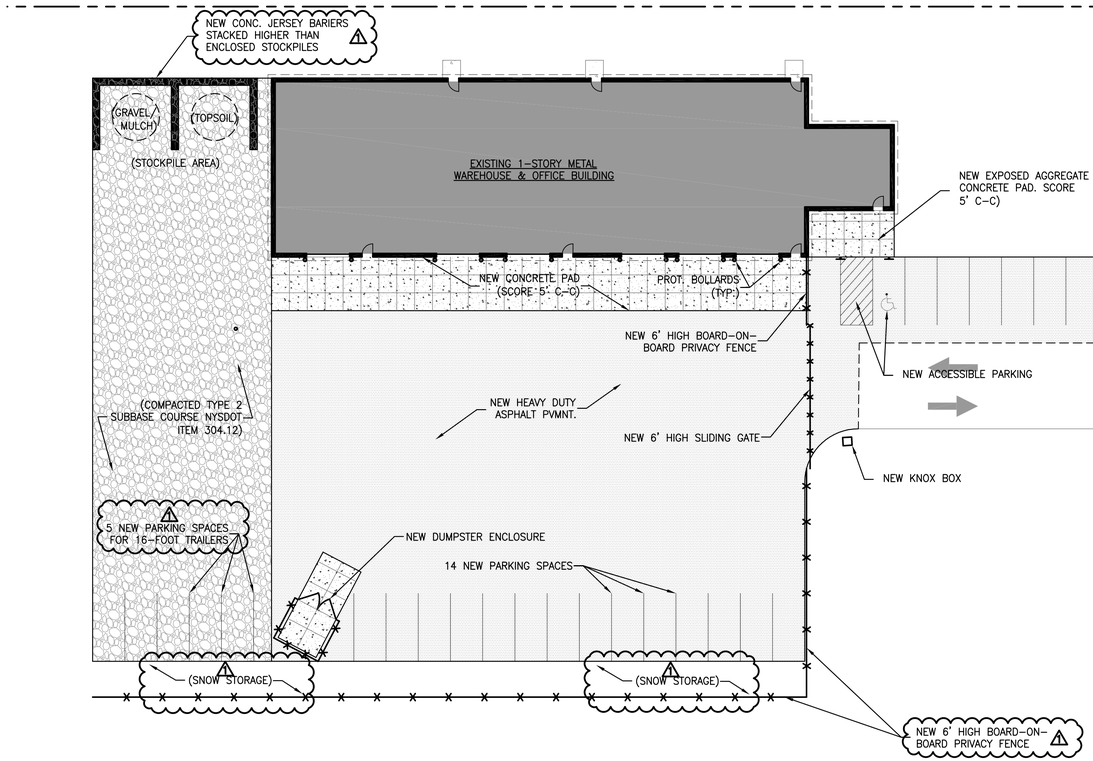
CODE & SITE DATA

TOTAL PARCEL = 3.67 ACRES (±159,756 SQ. FT.)
ZONED: I (INDUSTRIAL BUSINESS PARK)

PARKING SETBACK	REQUIRED	PROVIDED
FRONT	80'–0"	80'–0"
SIDE	5'–0"	61'–0"
REAR	5'–0"	340'–1"

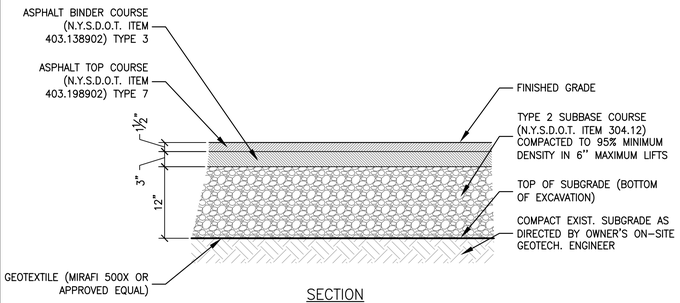
LANDSCAPE	REQUIRED	PROVIDED
TOTAL PARCEL	25%	83%



SBL 44.00–1–22.11
REPUTED OWNER JOHN R BRADDELL

LEGEND

- NEW FENCE
- EXISTING EDGE OF PAVEMENT
- NEW EDGE OF PAVEMENT
- SITE PARCEL PROPERTY/R.O.W. LINE
- ADJACENT PROPERTY/R.O.W. LINES
- EXISTING UTILITY POLE
- EXISTING FIRE HYDRANT
- TRAFFIC DIRECTIONAL ARROW
- EXISTING CONCRETE AREAS
- NEW CONCRETE AREAS
- NEW HEAVY DUTY ASPHALT PAVEMENT AREAS
- (COMPACTED TYPE 2 SUBBASE COURSE NYSDOT ITEM 304.12) NEW GRAVEL PAVEMENT AREAS



SECTION

HEAVY–DUTY ASPHALT PAVEMENT DETAIL (A)
SCALE : 1" = 1'–0"

SITE LAYOUT PLAN
SCALE : 1"= 20'–0"
N
0 20 40 80

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GMA CONCRETE SITE MODIFICATION
9377 COUNTY ROAD
CLARENCE, NEW YORK 14032

STATE OF NEW YORK · ANDREW V. TERRANA · 080634 · LICENSED PROFESSIONAL ENGINEER
STAMP/SEAL

1	REV. PER LSCP. COMMITTEE	11/19/25
0	MINOR SITE PLAN MOD.	11/12/25

SITE LAYOUT PLAN

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

DRAWN BY: AVT
CHECKED BY: OST
JOB # 20–367

SHEET C–1.1

NOTES

1. FOR REFERENCE INFORMATION SEE TOPOGRAPHIC SURVEY PREPARED BY WM. SCHUTT ASSOCIATES, DATED JANUARY 18, 2021 AND IDENTIFIED AS SURVEY FILE 05008H-03 INCLUDED WITH THIS SET OF SITE PLANS.
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CODE & SITE DATA

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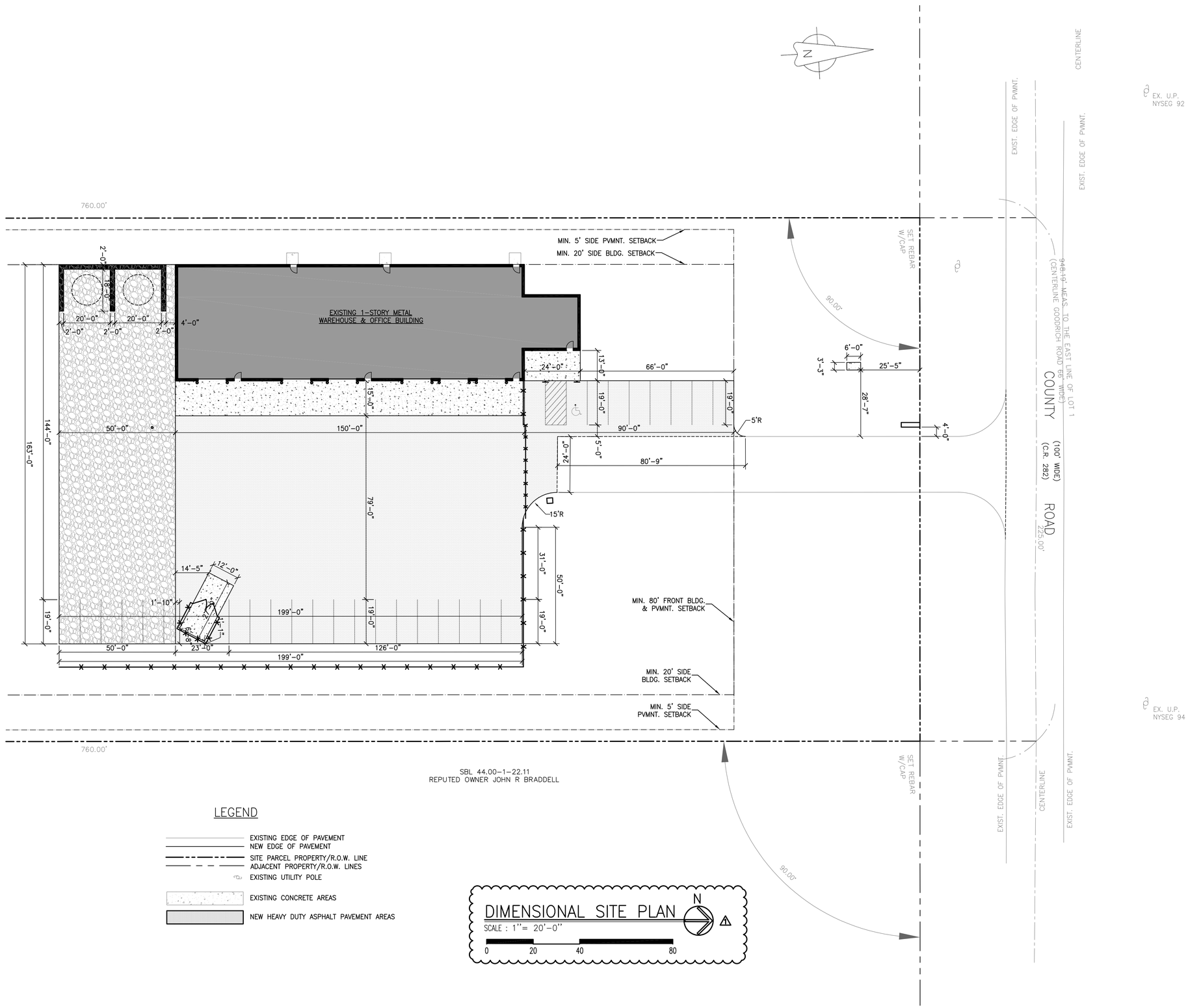

LEGEND

- EXISTING EDGE OF PAVEMENT
- NEW EDGE OF PAVEMENT
- SITE PARCEL PROPERTY/R.O.W. LINE
- ADJACENT PROPERTY/R.O.W. LINES
- EXISTING UTILITY POLE
- EXISTING CONCRETE AREAS
- NEW HEAVY DUTY ASPHALT PAVEMENT AREAS

DIMENSIONAL SITE PLAN

SCALE : 1"= 20'-0"

0 20 40 80

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

GMA CONCRETE SITE MODIFICATION
9377 COUNTY ROAD
CLARENCE, NEW YORK 14032

STATE OF NEW YORK · ANDREW V. TERRANA · 080634 · LICENSED PROFESSIONAL ENGINEER

STAMP/SEAL

1	-	-
2		
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7		
8		
9		
10		
11		
12	REV. PER LSCP. COMMITTEE	11/19/25
13	MINOR SITE PLAN MOD.	11/12/25

DIMENSIONAL SITE PLAN

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

DRAWN BY: AVT
CHECKED BY: OST
JOB # 20-367

SHEET
C-1.2

NOTES

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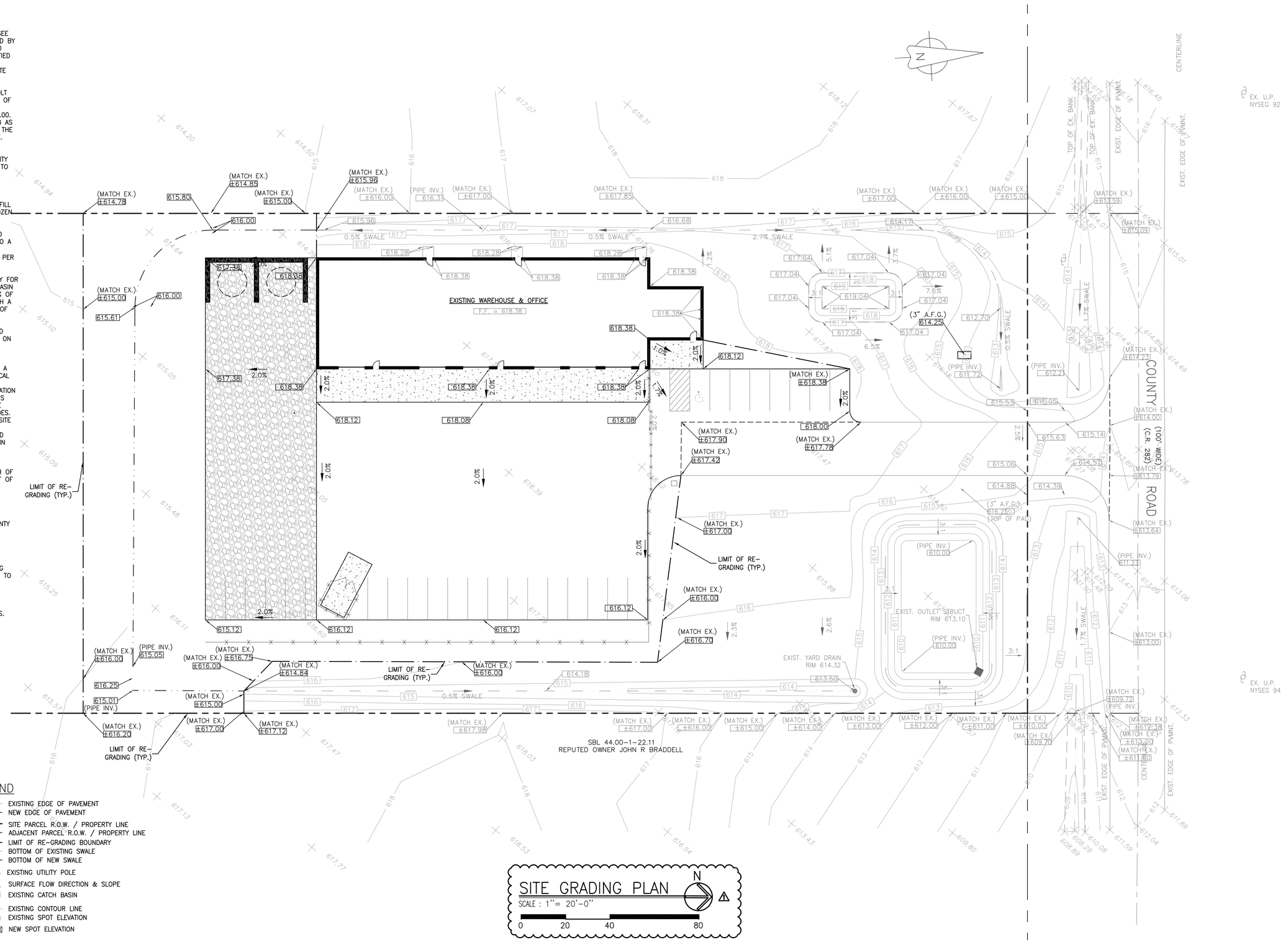
2. BENCHMARK: SOUTH FLANGE BOLT OF EXIST. HYDRANT ±200 EAST OF EASTERN PROPERTY LINE OF SUBJECT PARCEL. ELEV. = 607.00. ELEVATIONS BASED ON NAVD 88 AS ESTABLISHED BY GPS UTILIZING THE NYSDOT NYSNet GNSS NETWORK.
3. THE CONTRACTOR SHALL FIELD VERIFY ALL UNDERGROUND UTILITY LOCATIONS AND DEPTHS PRIOR TO THE START OF EXCAVATION AND CONSTRUCTION.
4. ALL SOIL FILL AREAS SHALL BE PLACED IN 8" MAXIMUM LIFTS. FILL SHALL NOT BE PLACED ON FROZEN SOIL.
5. ALL FILL AREAS BENEATH PAVED AREAS SHALL BE COMPACTED TO A MINIMUM 95% DENSITY IN 6" MAXIMUM LIFTS AS DETERMINED PER ASTM D 1557.
6. THE MINIMUM REQUIRED DENSITY FOR FILL BENEATH ALL DETENTION BASIN AREAS SHALL BE AT LEAST 92% OF THE MAXIMUM DRY DENSITY WITH A MOISTURE CONTENT WITHIN 2% OF THE OPTIMUM.
7. WHEREVER POSSIBLE, EXCAVATED TOPSOIL SHALL BE STOCKPILED ON SITE AND RE-USED DURING LANDSCAPING AS NECESSARY.
8. BEFORE CONSTRUCTION BEGINS, A CERTIFIED LICENSED GEOTECHNICAL ENGINEER SHOULD CONDUCT A FOUNDATION AND SOIL INVESTIGATION IN CONFORMANCE WITH SECTIONS 1802.2 THOUGH 1802.6 OF THE NEW YORK STATE BUILDING CODES. ALL CONSTRUCTION, FILL, AND SITE PREPARATION SHALL MEET OR EXCEED ALL SPECIFICATIONS AND RECOMMENDATIONS SET FORTH IN THE GEOTECHNICAL REPORT.
9. FUTURE LAWN AREAS SHALL BE SCARIFIED TO A MINIMUM DEPTH OF 3 INCHES PRIOR TO PLACEMENT OF TOPSOIL AND SEED.
10. ALL CONTRACTORS AND SUBCONTRACTORS SHALL BE INSURED AND LICENSED IN THE STATE OF NEW YORK, THE COUNTY OF ERIE, AND THE TOWN OF CLARENCE.
11. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PAYING ALL NECESSARY FEES AND OBTAINING ALL NECESSARY PERMITS PRIOR TO THE START OF CONSTRUCTION. CONTACT TOWN OF CLARENCE BUILDING DEPARTMENT (716) 741-8950 FOR INSTRUCTIONS, PERMIT APPLICATIONS, AND FEES.



LEGEND

- EXISTING EDGE OF PAVEMENT
- NEW EDGE OF PAVEMENT
- SITE PARCEL R.O.W. / PROPERTY LINE
- ADJACENT PARCEL R.O.W. / PROPERTY LINE
- LIMIT OF RE-GRADING BOUNDARY
- BOTTOM OF EXISTING SWALE
- BOTTOM OF NEW SWALE
- EXISTING UTILITY POLE
- 2.0% SURFACE FLOW DIRECTION & SLOPE
- EXISTING CATCH BASIN
- EXISTING CONTOUR LINE
- EXISTING SPOT ELEVATION
- XXX.XX NEW SPOT ELEVATION

SITE GRADING PLAN

SCALE : 1"= 20'-0"

0 20 40 80

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GMA CONCRETE SITE MODIFICATION
9377 COUNTY ROAD
CLARENCE, NEW YORK 14032

STATE OF NEW YORK ANDREW V. TERRANA 080634 LICENSED PROFESSIONAL ENGINEER

STAMP/SEAL

-	-	-
1	REV. PER LSCP. COMMITTEE	11/19/25
2	MINOR SITE PLAN MOD.	11/12/25

SITE GRADING PLAN

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

DRAWN BY: AVT
CHECKED BY: AVT
JOB # 20-367

SHEET C-2.0

NOTES

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2. FOR REFERENCE ALSO SEE ARCHITECTURAL AND PLUMBING PLANS FOR EXACT LOCATIONS AND DEPTHS OF ROOF DRAIN LEADER CONNECTIONS AT BUILDING WALLS.
3. THE DESIGN ENGINEER (STUDIO T3) IS NOT RESPONSIBLE FOR STORM SEWER SYSTEM FAILURE DUE TO LACK OF INSPECTIONS OR MAINTENANCE.
4. THE DESIGN ENGINEER (STUDIO T3) IS NOT RESPONSIBLE FOR ANY UTILITIES NOT SHOWN ON THE SURVEY OR ANY ACCIDENTAL RUPTURES DURING EXCAVATION OR CONSTRUCTION. THE DESIGN ENGINEER (STUDIO T3) AND THE RESPECTIVE UTILITY COMPANIES SHALL BE IMMEDIATELY NOTIFIED BY THE INSTALLATION CONTRACTOR UPON DISCOVERY OF ANY SUCH ABOVEGROUND OR UNDERGROUND UTILITIES NOT SHOWN ON THE SURVEY. WORK SHALL BE IMMEDIATELY SUSPENDED AND NOT COMMENCE UNTIL SUCH DISCOVERED UTILITIES ARE IDENTIFIED AND THE DESIGN ENGINEER (STUDIO T3) ISSUES EITHER A WRITTEN APPROVAL OR A SIGNED REVISED PLAN.
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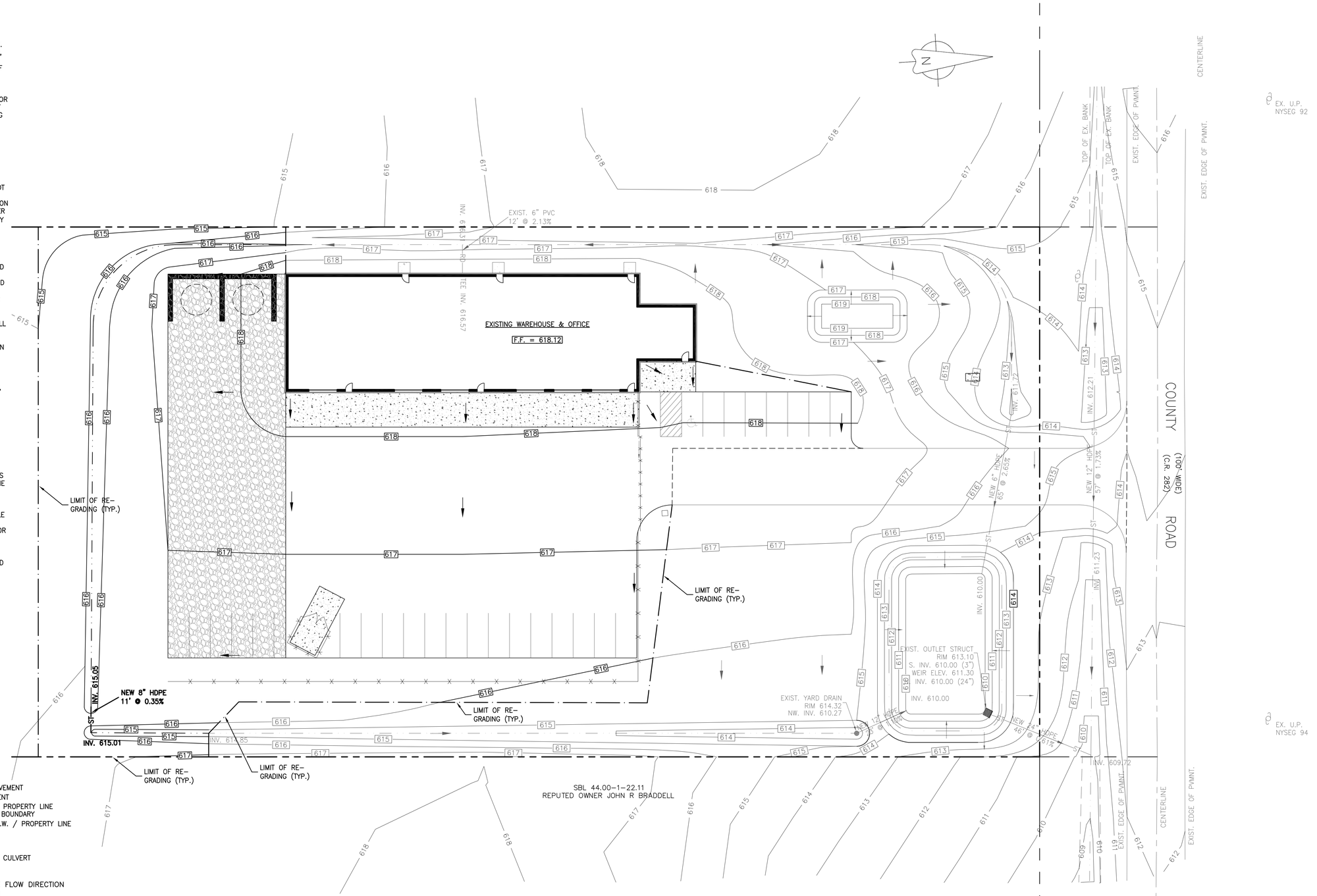

LEGEND

- EXISTING EDGE OF PAVEMENT
- NEW EDGE OF PAVEMENT
- SITE PARCEL R.O.W. / PROPERTY LINE
- LIMIT OF RE–GRADING BOUNDARY
- ADJACENT PARCEL R.O.W. / PROPERTY LINE
- EXISTING SWALE
- NEW SWALE
- NEW STORM SEWER / CULVERT
- EXISTING UTILITY POLE
- PROPOSED SURFACE FLOW DIRECTION
- EXISTING CATCH BASIN
- EXISTING CONTOUR LINE (TO REMAIN)
- FORMER CONTOUR LINE (RE–GRADED)
- NEW CONTOUR LINE (FINISHED GRADE)

SITE DRAINAGE PLAN

SCALE : 1"= 20'–0"

0 20 40 80

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GMA CONCRETE SITE MODIFICATION
9377 COUNTY ROAD
CLARENCE, NEW YORK 14032

STATE OF NEW YORK
ANDREW V. TERRANO
080634
LICENSED PROFESSIONAL ENGINEER

STAMP/SEAL

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13	REV. PER LSCP. COMMITTEE	11/19/25
14	MINOR SITE PLAN MOD.	11/12/25

SITE DRAINAGE PLAN

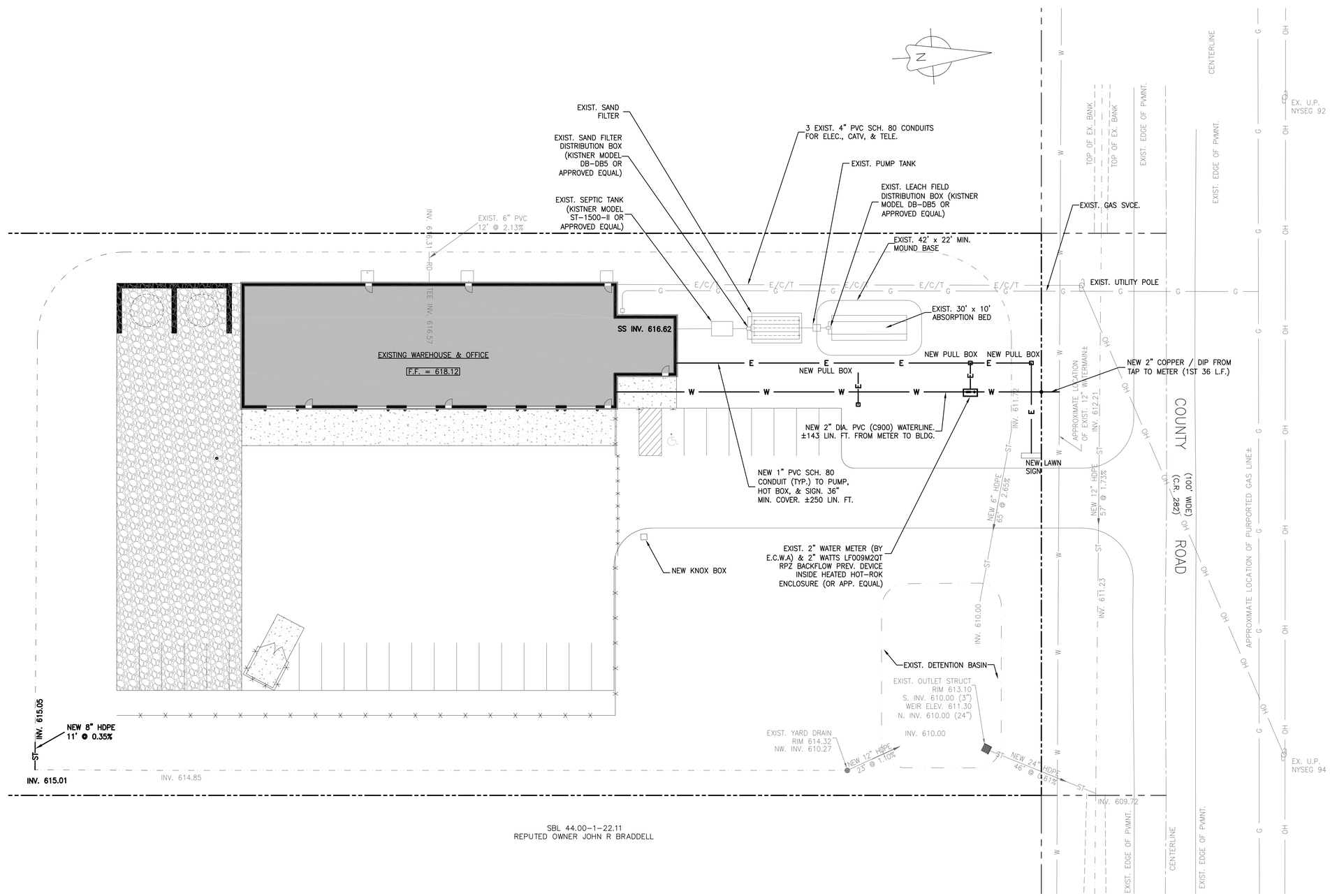
studio T3
Engineering, PLLC
2495 Main Street, Suite 301
Buffalo, New York 14214
Phone: (716) 803-6400
Fax: (716) 810-9504

DRAWN BY: AVT
CHECKED BY: AVT
JOB # 20–367

SHEET
C–2.1

NOTES

1. FOR REFERENCE INFORMATION SEE TOPOGRAPHIC SURVEY PREPARED BY WM. SCHUTT ASSOCIATES, DATED JANUARY 18, 2021 AND IDENTIFIED AS SURVEY FILE 05008H–03 INCLUDED WITH THIS SET OF SITE PLANS.
2. FOR REFERENCE ALSO SEE EXACT UTILITY CONNECTION LOCATIONS AND DEPTHS ON ARCHITECTURAL, MECHANICAL, ELECTRICAL, H.V.A.C., AND PLUMBING PLANS.
3. THE DESIGN ENGINEER (STUDIO T3) IS NOT RESPONSIBLE FOR ANY UTILITIES NOT SHOWN ON THE SURVEY OR ANY ACCIDENTAL RUPTURES DURING EXCAVATION OR CONSTRUCTION. THE DESIGN ENGINEER (STUDIO T3) AND THE RESPECTIVE UTILITY COMPANIES SHALL BE IMMEDIATELY NOTIFIED BY THE CONTRACTOR UPON DISCOVERY OF ANY SUCH ABOVEGROUND OR UNDERGROUND UTILITIES NOT SHOWN ON THE SURVEY. WORK SHALL BE IMMEDIATELY SUSPENDED AND NOT COMMENCE UNTIL SUCH DISCOVERED UTILITIES ARE IDENTIFIED AND THE DESIGN ENGINEER (STUDIO T3) ISSUES EITHER A WRITTEN APPROVAL OR A SIGNED REVISED PLAN.
4. THE DESIGN ENGINEER (STUDIO T3) SHALL BE IMMEDIATELY CONTACTED UPON DISCOVERY OF ANY ABOVEGROUND OR BELOW GROUND OBJECTS NOT SHOWN ON THE BACKGROUND SURVEY THAT ARE UNCOVERED DURING EXCAVATION OR CONSTRUCTION (BUILDING FOUNDATIONS, BURIED VAULTS, TREES, SIDEWALKS, PAVEMENT, RAILINGS, SIGNS, STOCKPILES, STUMPS, OR SIMILAR) WHICH WILL INTERFERE OR CONFLICT WITH ANY PROPOSED WORK SHOWN ON THESE PLANS. WORK SHALL BE IMMEDIATELY SUSPENDED AND NOT COMMENCE UNTIL SUCH DISCOVERED OBJECTS ARE IDENTIFIED AND THE DESIGN ENGINEER (STUDIO T3) ISSUES EITHER A WRITTEN APPROVAL OR A SIGNED REVISED PLAN.
5. THE DESIGN ENGINEER (STUDIO T3) IS NOT RESPONSIBLE FOR CONSTRUCTION SITE SAFETY AND COMPLIANCE WITH THE LATEST OSHA STANDARDS OR INDUSTRIAL CODE RULE 57 DURING CONSTRUCTION.
6. ALL CONTRACTORS AND SUBCONTRACTORS SHALL BE INSURED AND LICENSED IN THE STATE OF NEW YORK, THE COUNTY OF ERIE, AND THE TOWN OF CLARENCE.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PAYING ALL NECESSARY FEES AND OBTAINING ALL NECESSARY PERMITS PRIOR TO THE START OF CONSTRUCTION. CONTACT TOWN OF CLARENCE BUILDING DEPARTMENT (716) 741–8950 FOR INSTRUCTIONS, PERMIT APPLICATIONS, AND FEES. AN ERIE COUNTY HIGHWAY WORK PERMIT FOR NON–UTILITY (PERM 3) AND UTILITY WORK (PERM 2) SHALL BE REQUIRED PRIOR TO CONSTRUCTION WITHIN THE COUNTY ROAD RIGHT–OF–WAY.



SBL 44.00–1–22.11
REPUTED OWNER JOHN R BRADDELL

LEGEND

- EXISTING GAS LINE
- EXISTING WATERLINE
- NEW WATERLINE
- EXISTING UNDERGROUND ELEC. & FIBER CONDUIT
- EXISTING UNDERGROUND ELECTRIC CONDUIT
- NEW UNDERGROUND ELECTRIC CONDUIT
- EXISTING OVERHEAD WIRES
- EXISTING SANITARY SEWER
- EXISTING FORCE MAIN
- EXISTING STORM SEWER
- NEW STORM SEWER / CULVERT
- NEW CATCH BASIN
- EXISTING GAS VALVE
- EXISTING WATER VALVE
- EXISTING UTILITY POLE
- EXISTING CLEAN–OUT
- EXISTING ELEC. HANDHOLE / PULL BOX
- NEW ELEC. HANDHOLE / PULL BOX
- CENTERLINE / BOTTOM OF EXISTING SWALE
- CENTERLINE / BOTTOM OF NEW SWALE

SITE UTILITY PLAN

SCALE : 1"= 20'–0"

0 20 40 80

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

GMA CONCRETE SITE MODIFICATION
9377 COUNTY ROAD
CLARENCE, NEW YORK 14032

STATE OF NEW YORK · ANDREW V. TERRACCIANO · LICENSED PROFESSIONAL ENGINEER · 080634

STAMP/SEAL

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	REV. PER LSCP. COMMITTEE	11/19/25
	MINOR SITE PLAN MOD.	11/12/25

SITE UTILITY PLAN

studio T3 Engineering PLLC
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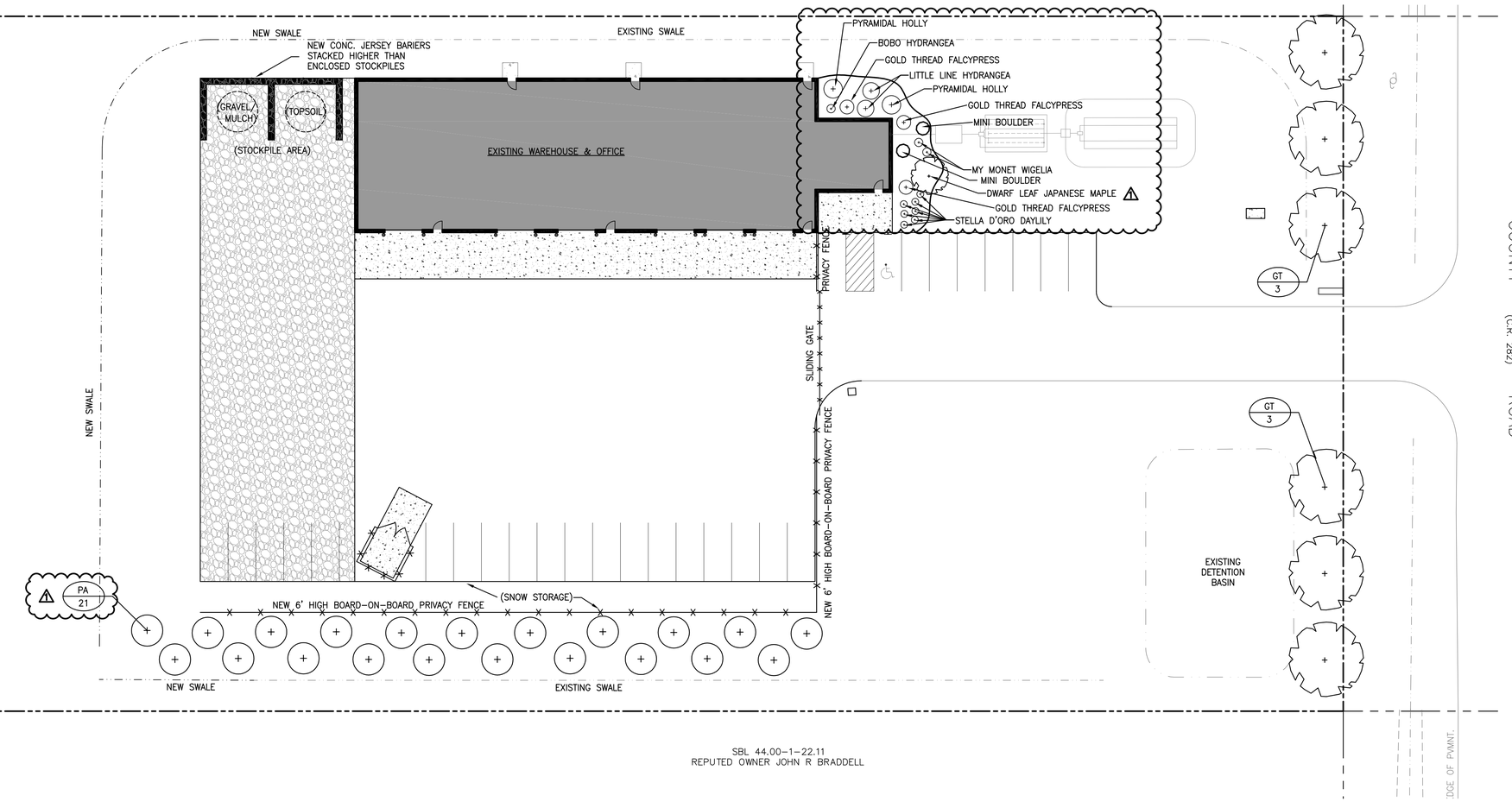
DRAWN BY: AVT
CHECKED BY: AVT
JOB # 20–367

SHEET
C–3.0

LANDSCAPE NOTES

1. THE CONTRACTOR SHALL PROVIDE MAINTENANCE INCLUDING FERTILIZING, RE-SEEDING, AND WATERING AS REQUIRED DURING LANDSCAPE INSTALLATION AND PLANTING FOR A MINIMUM PERIOD OF 12 MONTHS FROM PLANTING DATE.
2. THE CONTRACTOR SHALL SCARIFY ALL NEW LANDSCAPE AREAS PRIOR TO SEEDING. REMOVE DEBRIS AND ROCKS TO 24" DEPTH PRIOR TO APPLYING TOPSOIL. LIME SOIL AS NECESSARY TO A pH OF 6.0. FERTILIZE WITH 600 lbs. OF 5-10-10 OR EQUIVALENT PER ACRE (14 lbs. PER EVERY 1000 SQ. FT.).
3. ALL PROPOSED LANDSCAPE AREAS AND PLANTING BEDS SHALL BE EXCAVATED OF ALL BUILDING MATERIALS AND POOR UNSUITABLE SOILS TO A DEPTH OF 24" AND BACKFILLED WITH TOPSOIL AND THE PLANTING MIXTURE AS SPECIFIED IN THE DETAILS.
4. BURLAP MESH MAY BE USED TO COVER SEEDING ON ANY SLOPE EMBANKMENTS STEEP ENOUGH TO IMPEDE THE ESTABLISHMENT OF LAWN AREAS.
5. UNLESS RECOMMENDED OTHERWISE BY THE SEED VENDOR, PERMANENT GRASS SEEDING SHALL CONSIST OF A MIXTURE OF THE FOLLOWING: KENTUCKY BLUEGRASS = 25% BY WEIGHT (98% MIN. PURITY: 85% MIN. GERMINATION); PENN LAWN RED FESCUE = 25% BY WEIGHT (95% MIN. PURITY: 80% MIN. GERMINATION); TRIPLE CROWN PERENNIAL RYE = 50% BY WEIGHT (95% MIN. PURITY: 90% MIN. GERMINATION)
6. HAND-BROADCASTING OR HYDRO-SEEDING AND HYDRO-MULCHING SHALL BE USED TO ESTABLISH ALL NEW LAWN AREAS. IF HAND-BROADCASTING, SEW SEED AT A RATE OF 5 lbs. PER 1000 SQ. FT. RAKE SEED INTO TOP 1/8" OF TOPSOIL, ROLL, AND WATER WITH FINE MIST. WATER SEED AS RECOMMENDED BY SEED VENDOR. UNIFORMLY SPREAD 2 INCHES OF STRAW MULCH OVER ENTIRE SEEDED AREA AT THE RATE OF 2 TONS PER ACRE (90 lbs. / 1,000 SQ. FT.) IMMEDIATELY AFTER ROLLING AND WATERING SEEDED AREAS. THE STRAW MULCH SHALL BE ANCHORED WITH WOOD FIBER MULCH AT 750 lbs PER ACRE (17 lbs. / 1,000 SQ. FT.). THE WOOD FIBER MULCH SHALL BE APPLIED THROUGH A HYDRO-SEEDER IMMEDIATELY AFTER STRAW MULCH IS INSTALLED. REMOVE ANY WIND-SWEPT MULCH PILES AS NECESSARY TO PREVENT DAMAGE TO GRASS. HAY MULCH SHALL NOT BE USED.
7. IN LANDSCAPE BEDS OR OTHER AREAS WHERE DECORATIVE STONES OR PEA GRAVEL MAY BE USED, THE CONTRACTOR SHALL INSTALL A QUALITY WOVEN LANDSCAPE FABRIC (SUCH AS FABRISCAPE 4.75 OZ. WOVEN WEED RESTRICTOR PLUS OR APPROVED EQUAL) FOR WEED CONTROL BENEATH A 2"-3" LAYER OF #2 LANDSCAPE STONE . CALL (800) 992-0550 TO ORDER AND FOR INSTALLATION INSTRUCTIONS. ALTERNATE: THE CONTRACTOR SHALL APPLY PREEN WEED CONTROL PER MANUFACTURER'S APPLICATION INSTRUCTIONS IINSTEAD OF LANDSCAPE FABRIC.
8. TOPSOILING AND SEEDING, HYDROSEEDING, OR SODDING SHALL TAKE PLACE WITHIN 24 HOURS OF FINAL GRADING. SEED SHALL NOT BE BROADCAST DURING CONDITIONS OF HIGH WIND OR EXCESSIVE MOISTURE.
9. FERTILIZERS SHALL BE APPLIED ONLY IN THE MINIMUM AMOUNTS REQUIRED BY THE MANUFACTURER. FERTILIZERS SHALL BE COMPLETELY WORKED INTO THE SOIL IMMEDIATELY FOLLOWING APPLICATION TO LIMIT EXPOSURE TO STORMWATER RUNOFF. FERTILIZERS SHALL BE STORED IN A COVERED SHED AND PARTIALLY USED BAGS SHALL BE TRANSFERRED TO A SECURELY-SEALED BIN TO AVOID SPILLS.
10. MOW NEWLY SEEDED AREAS FOR THE FIRST THREE (3) TIMES. AT EACH MOWING CUT TO A HEIGHT OF 2 INCHES AFTER GROWTH HAS REACHED APPROXIMATELY 4 INCHES. APPLY WEED AND FEED AS DIRECTED ON MANUFACTURER'S APPLICATION INSTRUCTIONS AFTER THE SECOND MOWING.
11. ALL NEW LAWN AREAS SHALL HAVE A 6 INCH MINIMUM LAYER OF TOPSOIL BEFORE SEEDING.
12. ALL NEW LAWN AREAS SHALL BE COMPLETE IN COVERAGE AND VIGOROUS IN GROWTH IN ORDER TO BE ACCEPTABLE. REPAIR, RE-SEED, AND WATER NEW LAWN AREAS AS NECESSARY UNTIL THEY REACH THE LEVEL OF FINAL ACCEPTANCE.
13. ANY PLANTING BED SOIL HAVING A pH OF 4 OR MORE ACIDIC, OR CONTAINING IRON SULFIDES, SHALL BE REPLACED WITH 12 INCH MINIMUM LAYER OF SOIL HAVING A pH OF 5 OR LESS ACIDIC, OR MIXED WITH LIME UNTIL THE pH LEVEL IS AT LEAST 5.
14. REMOVE ALL STICKS, RUBBISH, STONES, AND ANY DEBRIS COLLECTED DURING RAKING, MOWING, AND LAWN ESTABLISHMENT ACTIVITIES. DISPOSE OF AT AN APPROPRIATE OFF-SITE LOCATION PER LOCAL REGULATIONS.
15. SEEDING SHOULD BE DONE AFTER AUGUST 15 AND BEFORE MAY 15. THE DESIGN ENGINEER SHALL NOT BE RESPONSIBLE FOR SEED SURVIVAL OR GRASS ESTABLISHMENT IF SEEDING OCCURS OUTSIDE OF THIS TIME FRAME.
16. ANY COMPOST SHALL BE WELL DECOMPOSED, MATURED AT LEAST 3 MONTHS, WEED-FREE ORGANIC MATTER. IT SHALL BE AEROBICALLY COMPOSTED, POSSESS NO ODOR, AND CONTAIN LESS THAN 1% BY DRY WEIGHT OF MAN-MADE FOREIGN MATTER. ALL COMPOST PRODUCED IN NEW YORK STATE SHALL MEET NYSDEC 6 NYCRR PART 360 (SOLID WASTE MANAGEMENT FACILITIES) REQUIREMENTS.
17. ALL TOPSOIL (RE-USED ONSITE, BROUGHT IN FROM OFFSITE, OR MANUFACTURED) SHALL HAVE AT LEAST 6% BY WEIGHT OF FINE-TEXTURED STABLE ORGANIC MATERIAL, AND NO MORE THAN 20%. MUCK SOIL SHALL NOT BE CONSIDERED TOPSOIL. ALL TOPSOIL SHALL NOT HAVE LESS THAN 20% FINE-TEXTURED MATERIAL PASSING THE NUMBER 200 SIEVE, AND NOT MORE THAN 15% CLAY. TOPSOIL MANUFACTURED OR BROUGHT IN FROM OFFSITE THAT IS PRE-TREATED WITH SOIL STERILANTS OR HERBICIDES SHALL BE SO IDENTIFIED TO THE PURCHASER AND LANDSCAPE CONTRACTOR. ALL TOPSOIL SHALL BE FREE OF STONES OVER 1½ INCHES IN DIAMETER, TRASH, NOXIOUS WEEDS, NUT SEDGE, OR QUACKGRASS, AND SHALL CONTAIN NO MORE THAN 10% GRAVEL. TOPSOIL CONTAINING SOLUBLE SALTS GREATER THAN 500 PPM (PARTS PER MILLION) SHALL NOT BE USED. MANUFACTURED TOPSOIL SHALL CONSIST OF A MIXTURE OF ORGANIC MATERIAL SUCH AS COMPOST AND MINERAL MATERIAL COMPLYING WITH THE ABOVE SPECIFICATIONS.
18. ALL TOPSOIL SHALL BE DISTRIBUTED TO A UNIFORM DEPTH AND NOT PLACED WHILE PARTIALLY FROZEN, MUDDY, OR ON FROZEN SLOPES OVER ICE, SNOW, AND STANDING WATER PUDDLES. TOPSOIL PLACED ON SLOPES GREATER THAN 5% (20:1) SHALL BE PROMPTLY FERTILIZED, SEEDED, MULCHED, AND STABILIZED BY TRACKING WITH SUITABLE EQUIPMENT PER THE SPECIFICATIONS ABOVE.
19. ALL CONTRACTORS AND SUBCONTRACTORS SHALL BE INSURED AND LICENSED IN THE STATE OF NEW YORK, THE COUNTY OF ERIE, AND THE TOWN OF CLARENCE.



SBL 44.00-1-22.11
REPUTED OWNER JOHN R BRADDELL

SITE LANDSCAPE PLAN

SCALE : 1"= 20'-0"

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WITHIN 30 DAYS AFTER COMPLETION OF ALL LANDSACPE INSTALLATION AUTHORIZED UNDER THE TOWN LANDSCAPE PERMIT, THE CONTRACTOR SHALL NOTIFY THE TOWN , WHO SHALL ISSUE A WRITTEN CERTIFICATION OF LANDSCAPE INSTALLATION COMPLETION.

LANDSCAPE	REQUIRED	PROVIDED
TOTAL PARCEL	25%	79%

LEGEND

- EXISTING PLANT MATERIAL
- NEW PLANT MATERIAL
- EXISTING UTILITY POLE
- NEW FENCE
- EXISTING EDGE OF PAVEMENT
- NEW EDGE OF PAVEMENT
- SITE PROPERTY LINE
- EXISTING & NEW CONTOURS
- CENTERLINE OF SWALE
- NEW CONCRETE AREAS

PLANT LIST: NEW PLANT MATERIAL ⚠1

KEY	NO.	BOTANICAL NAME	COMMON NAME	SIZE	CONDIT.	REMARKS
TREES						
GT	6	GLEDITSIA TRIACANTHOS V. INERMIS	THORNLESS HONEYLOCUST	2½" TO 3" CAL. MIN.	B.B./WB	SPECIMEN SPECIES.
PA	21	PICEA ABIES	NORWAY SPRUCE	2½" TO 3" CAL. MIN.	B.B./WB	SPECIMEN SPECIES.

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9377 COUNTY ROAD
CLARENCE, NEW YORK 14032

STATE OF NEW YORK · ANDREW V. TERRACCIANO · LICENSED PROFESSIONAL ENGINEER · 080634

STAMP/SEAL

⚠1	REV. PER LSCP. COMMITTEE	11/19/25
⚠	MINOR SITE PLAN MOD.	11/12/25

SITE LANDSCAPE PLAN

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DRAWN BY: OST
CHECKED BY: AVT
JOB # 20-367

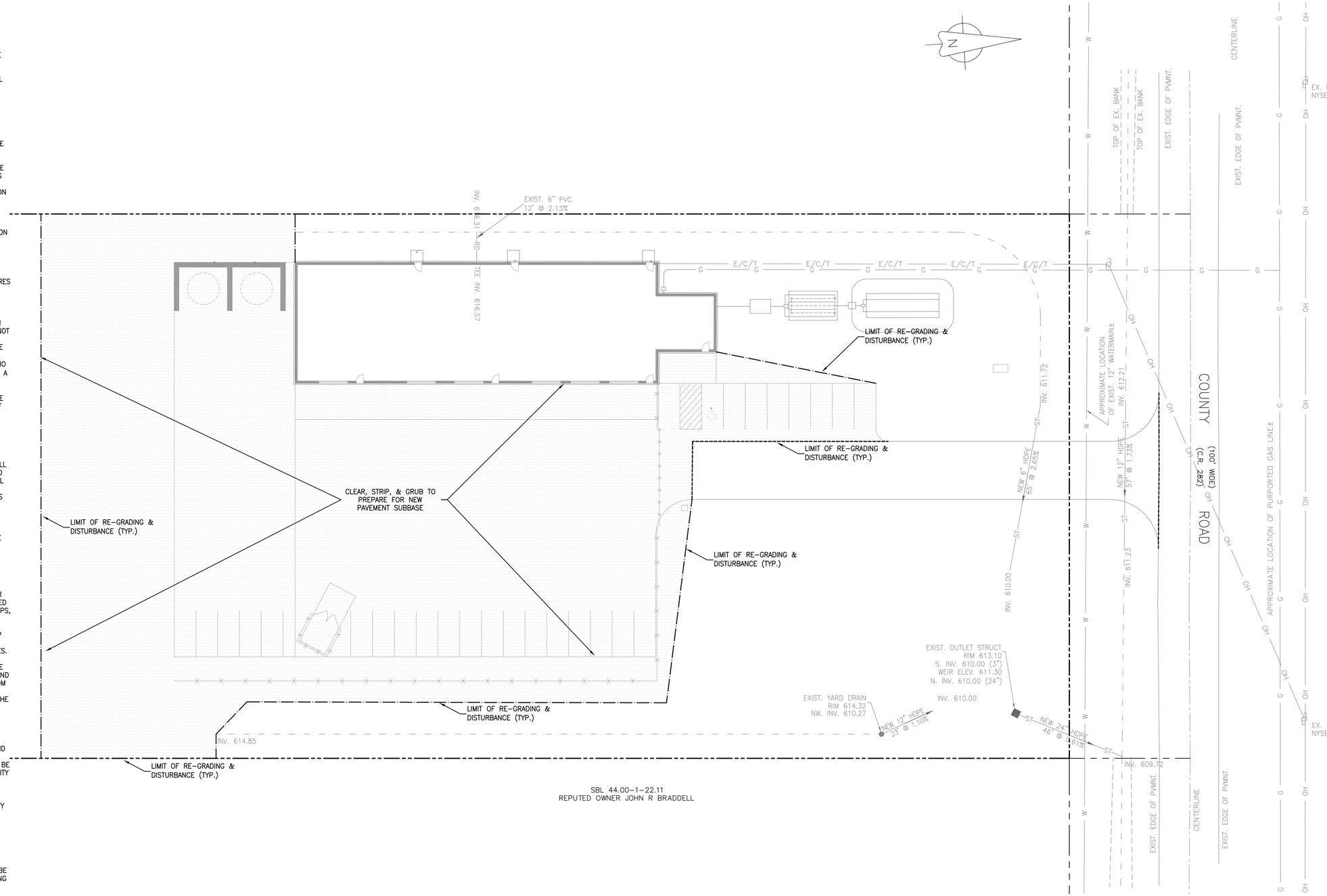
SHEET C-4.0

DEMOLITION NOTES

1. PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR PAYING ALL NECESSARY FEES AND OBTAINING ALL NECESSARY PERMITS FOR CLEARING, SOIL EROSION PROTECTION, AND DISPOSING OF DEBRIS FROM SITE.
2. THE CONTRACTOR SHALL COORDINATE THE REMOVAL, RELOCATION, OR RE-ROUTING OF ANY UTILITIES WITH EACH RESPECTIVE UTILITY COMPANY. NOTIFY UTILITY COMPANIES OR AGENCIES AT LEAST 72 HOURS PRIOR TO THE START OF WORK.
3. THE CONTRACTOR SHALL MAINTAIN ACCESSIBLE PASSAGEWAYS FOR TRAFFIC AND PEDESTRIANS TO EXISTING ADJACENT RESIDENCES AND BUSINESSES WHICH WILL REMAIN IN OPERATION THROUGHOUT THE DURATION OF THE CONSTRUCTION.
4. THE CONTRACTOR SHALL FOLLOW ALL SOIL PREPARATION AND FOUNDATION CONSTRUCTION RECOMMENDATIONS AS STATED IN THE GEOTECHNICAL ENGINEERING REPORT.
5. THE DESIGN ENGINEER (STUDIO T3) IS NOT RESPONSIBLE FOR ANY UTILITIES NOT SHOWN ON THE SURVEY OR ANY ACCIDENTAL RUPTURES DURING EXCAVATION OR CONSTRUCTION. THE DESIGN ENGINEER (STUDIO T3) AND THE RESPECTIVE UTILITY COMPANIES SHALL BE IMMEDIATELY NOTIFIED BY THE INSTALLATION CONTRACTOR UPON DISCOVERY OF ANY SUCH ABOVEGROUND OR UNDERGROUND UTILITIES NOT SHOWN ON THE SURVEY. WORK SHALL BE IMMEDIATELY SUSPENDED AND NOT COMMENCE UNTIL SUCH DISCOVERED UTILITIES ARE IDENTIFIED AND THE DESIGN ENGINEER (STUDIO T3) ISSUES EITHER A WRITTEN APPROVAL OR A SIGNED REVISED PLAN.
6. THE DESIGN ENGINEER (STUDIO T3) SHALL BE IMMEDIATELY CONTACTED UPON DISCOVERY OF ANY ABOVEGROUND OR BELOW GROUND OBJECTS NOT SHOWN ON THE BACKGROUND SURVEY THAT ARE UNCOVERED DURING EXCAVATION OR CONSTRUCTION (BUILDING FOUNDATIONS, BURIED VAULTS, TREES, SIDEWALKS, PAVEMENT, RAILINGS, SIGNS, STOCKPILES, STUMPS, OR SIMILAR) WHICH WILL INTERFERE OR CONFLICT WITH ANY PROPOSED WORK SHOWN ON THESE PLANS. WORK SHALL BE IMMEDIATELY SUSPENDED AND NOT COMMENCE UNTIL SUCH DISCOVERED OBJECTS ARE IDENTIFIED AND THE DESIGN ENGINEER (STUDIO T3) ISSUES EITHER A WRITTEN APPROVAL OR A SIGNED REVISED PLAN.
7. THE CONTRACTOR SHALL REMOVE ALL VISIBLE AND PARTIALLY BURIED DEBRIS PILES FROM AREAS TO BE DEVELOPED OR GRADED AND DISPOSE OF AT AN APPROPRIATE OFF-SITE LOCATION IN COMPLIANCE WITH AUTHORITIES HAVING JURISDICTION.
8. THE GROUND SURFACE ON WHICH RIPRAP OR STONE EROSION PROTECTION IS TO BE PLACED SHALL BE CLEARED OF BRUSH, TREES, STUMPS, AND TOPSOIL.
9. ALL LITTER AND DEBRIS SHALL BE SWEPT UP AND REMOVED FROM PAVED AREAS RATHER THAN HOSING INTO STORM DRAINS OR SWALES.
10. WASTE FROM DEMOLITION ACTIVITIES SHALL BE CONTAINED TO PREVENT RELEASE OF DUST AND DEBRIS BEFORE THE WASTE IS REMOVED FROM THE SITE. COLLECTED WASTE ON SITE SHALL ALSO BE STORED SUCH THAT IT PREVENTS THE RELEASE OF DUST AND DEBRIS.
11. THE DESIGN ENGINEER (STUDIO T3) IS NOT RESPONSIBLE FOR NOTIFYING UFPO FOR UNDERGROUND UTILITY LOCATION PRIOR TO EXCAVATION OR CONSTRUCTION. UNDERGROUND UTILITY LOCATION DETERMINATION BY HAND-DIGGING OR VACUUM EXCAVATION MAY BE NECESSARY IF DIRECTED BY RESPECTIVE UTILITY SERVICE AGENCIES.
12. THE DESIGN ENGINEER (STUDIO T3) IS NOT RESPONSIBLE FOR CONSTRUCTION SITE SAFETY AND COMPLIANCE WITH THE LATEST OSHA STANDARDS OR INDUSTRIAL CODE RULE 57 DURING CONSTRUCTION.
13. EXCAVATION AND CONSTRUCTION OPERATIONS SHOULD BE SCHEDULED TO MINIMIZE THE AMOUNT OF AREA DISTURBED AT ONE TIME. BUFFER AREAS OF EXISTING VEGETATION TO BE REMOVED SHOULD BE LEFT IN PLACE AS LONG AS POSSIBLE WHERE PRACTICAL.
14. ALL CONTRACTORS AND SUBCONTRACTORS SHALL BE INSURED AND LICENSED IN THE STATE OF NEW YORK, THE COUNTY OF ERIE, AND THE TOWN OF CLARENCE.

LEGEND

- PROPERTY LINE
- EX. EDGE OF PVMNT. TO REMAIN
- NEW EDGE OF PVMNT.
- LIMIT OF RE-GRADING BOUNDARY
- EXISTING LAWN OR UN-PAVED AREAS TO BE CLEARED, STRIPPED AND GRUBBED



SITE DEMOLITION PLAN

SCALE : 1"= 20'-0"

0 20 40 80

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9377 COUNTY ROAD
CLARENCE, NEW YORK 14032

STATE OF NEW YORK
ANDREW V. TERRACCIANO
080634
LICENSED PROFESSIONAL ENGINEER

STAMP/SEAL

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12	REV. PER LSCP. COMMITTEE	11/19/25
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SITE DEMOLITION PLAN

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SHEET
C-5.0

EROSION CONTROL NOTES:

1. AS REQUIRED UNDER SPDES PERMIT GP-0-20-001, THE SWPPP SHALL BE AVAILABLE TO THE PUBLIC OR ANY INSPECTOR WHILE THE SITE IS UNDER CONSTRUCTION FROM THE TIME OF THE FIRST EXCAVATION UNTIL THE TERMINATION OF COVERAGE UNDER THE GENERAL PERMIT IS GIVEN AFTER SUBMITTAL OF THE NOTICE OF TERMINATION (N.O.T.). THE SWPPP SHALL BE LOCATED AT AN ACCESSIBLE AND KNOWN LOCATION IN THE ON-SITE OFFICE.

2. COMPLETED INSPECTION RECORDS MUST BE SIGNED AND DATED AFTER EACH INSPECTION, AND SHALL BE KEPT WITH THE SWPPP AND MUST BE MADE AVAILABLE AT ALL TIMES. THE NYSDEC RETAINS THE RIGHT TO SEND OUT AN INDEPENDENT INSPECTOR AT ANYTIME, INCLUDING UNANNOUNCED VISITS, TO INSPECT THE SITE, THE SWPPP, AND ALL RECORDS.

3. THE OWNER'S DESIGNATED ON-SITE EROSION CONTROL INSPECTOR SHALL VERIFY THAT ALL SOIL-DISTURBING ACTIVITIES ARE COMPLETED AND THAT A UNIFORM VEGETATIVE COVER HAS BEEN ESTABLISHED PRIOR TO SUBMITTING THE NOTICE OF TERMINATION (N.O.T.) OF PERMIT COVERAGE. ONLY AFTER STABILIZATION SHALL TEMPORARY EROSION CONTROL DEVICES BE REMOVED.

4. GRADING, TOPSOILING, AND STABILIZING SECTIONS SHALL BE COMPLETED BEFORE EXCAVATION STARTS ON OTHER SECTIONS, IN ORDER NOT TO LEAVE ANY AREAS EXPOSED TO WIND AND RAIN EROSION FOR LONGER DURATION THAN NECESSARY.

5. ALL WASTE MATERIALS SHALL BE COLLECTED AND STORED IN A SECURELY LIDDED METAL DUMPSTER. ALL TRASH AND CONSTRUCTION DEBRIS FROM THE SITE SHALL BE DEPOSITED IN THE DUMPSTER ON A DAILY BASIS. ABSOLUTELY NO CONSTRUCTION MATERIALS SHALL BE BURIED ON SITE.

6. ALL VEHICLES ON SITE SHALL BE MONITORED FOR LEAKS AND RECEIVE REGULAR PREVENTIVE MAINTENANCE TO REDUCE THE CHANCE OF LEAKAGE FOR THE ENTIRE DURATION OF CONSTRUCTION. ANY PETROLEUM PRODUCTS USED SHALL BE STORED IN TIGHTLY SEALED CONTAINERS WHICH ARE CLEARLY LABELED. SPILL KITS SHALL BE INCLUDED WITH ANY FUELING SOURCES AND MAINTENANCE ACTIVITIES AS NECESSARY.

7. WHEN ACTIVITIES TEMPORARILY CEASE DURING CONSTRUCTION, SOIL STOCKPILES AND ANY EXPOSED SOILS SHALL BE STABILIZED BY MULCH OR COVERED WITH TARPS NO MORE THAN 14 DAYS AFTER CONSTRUCTION ACTIVITY HAS CEASED.

8. INSPECTION OF ALL EROSION CONTROL DEVICES SHOWN ON THIS PLAN (TEMPORARY AND PERMANENT) SHALL BE PERFORMED BY THE OWNER'S DESIGNATED ON-SITE EROSION CONTROL INSPECTOR EVERY 7 CALENDAR DAYS. THE OWNER'S DESIGNATED ON-SITE EROSION CONTROL INSPECTOR SHALL BE A LICENSED CERTIFIED PROFESSIONAL ENGINEER, SOIL BIOLOGIST, OR CERTIFIED PROFESSIONAL IN EROSION AND SEDIMENT CONTROL (C.P.E.S.C.) INDEPENDENT FROM THE OWNER OR CONTRACTOR.

9. FOR CONSTRUCTION SITES WHERE SOIL DISTURBANCE ACTIVITIES HAVE BEEN TEMPORARILY SUSPENDED (I.E. WINTER SHUTDOWN) AND TEMPORARY STABILIZATION MEASURES HAVE BEEN APPLIED TO ALL DISTURBED AREAS, PROVIDE SITE INSPECTIONS ONCE EVERY THIRTY (30) CALENDAR DAYS AND NOTIFY THE REGIONAL OFFICE OF THE NYSDEC IN WRITING PRIOR TO REDUCING FREQUENCY OF INSPECTIONS.

10. THE CONTRACTOR SHALL INSPECT ALL EROSION CONTROL DEVICES SHOWN ON THIS PLAN ON A DAILY BASIS AND AFTER RAIN STORMS. ANY NEEDED REPAIRS SHALL BE MADE IMMEDIATELY TO MAINTAIN ALL EROSION CONTROL DEVICES AS SPECIFIED IN THIS PLAN AND ON THE EROSION CONTROL DETAILS.

11. TOPSOIL STOCKPILES SHALL NOT BLOCK DRAINAGE FLOWS DURING CONSTRUCTION. STOCKPILES SHALL NOT BE LOCATED NEAR SLOPES, ROADWAYS, SWALES, DRAINAGE INLETS, OR BODIES OF WATER. THE BASE OF ALL STOCKPILES SHALL BE PROTECTED WITH SILT FENCING, OR ELSE THE ENTIRE STOCKPILE SHALL BE COVERED WITH TARPS AND SANDBAGS.

12. THE CONTRACTOR SHALL PREVENT TRACKING OR FLOWING OF MUD INTO STREETS OR AREAS OUTSIDE OF CONSTRUCTION LOCATION.

13. ALL CHLORINATED WATER USED FOR FLUSHING WATERLINES SHALL BE DISCHARGED TO THE SANITARY SEWER AND NEVER TO ANY STORM SEWER, CATCH BASIN, SWALE, OR POND.

14. ALL PORTABLE TOILETS SHALL BE LOCATED AWAY FROM GUTTERS, CATCH BASINS, STORM SEWERS, AND WATERWAYS. PORTABLE TOILETS SHALL BE PLACED ON A FLAT, STABLE GROUND SURFACE NOT PRONE TO FLOODING. ALL PORTABLE TOILETS SHALL BE ANCHORED TO PREVENT BLOWING OVER DURING WINDSTORMS.

15. ANY DETERGENTS OR ACID CLEANERS WASHES USED TO CLEAN OR RINSE CONCRETE, STUCCO, MASONRY, ETC. SHALL NEVER BE DISCHARGED TO ANY STORM SEWER, CATCH BASIN, SWALE, OR POND.

16. AVOID ON-SITE STORAGE OF PESTICIDES, FERTILIZERS, AND HERBICIDES. IF UNAVOIDABLE, ALL CHEMICALS SHALL BE STORED IN ORIGINAL PACKAGES IN A SEPARATELY DESIGNATED COVERED CONTAINMENT AREA.

17. USE CLEAN OR RECYCLED WATER WHEN SPRINKLING SOIL FOR DUST CONTROL.

18. AT LEAST ONE PERSON FROM THE CONTRACTOR'S STAFF SHALL BE A DESIGNATED "TRAINED CONTRACTOR" HAVING RECEIVED AT LEAST 4 HOURS IN NYSDEC-APPROVED CONTRACTOR TRAINING. THE TRAINED CONTRACTOR SHALL BE ON SITE ON A DAILY BASIS WHEN SOIL DISTURBANCE ACTIVITIES ARE OCCURRING. THE TRAINED CONTRACTOR SHALL INSPECT THE SEDIMENT AND EROSION CONTROL PRACTICES AND STORMWATER FACILITIES DAILY TO ENSURE THAT THEY ARE BEING MAINTAINED AT ALL TIMES PER EACH FACILITIE'S/DEVICE'S MAINTENANCE INSTRUCTIONS. IF DEFICIENCIES ARE IDENTIFIED THE CONTRACTOR SHALL IMPLEMENT CORRECTIVE ACTIONS WITHIN ONE (1) BUSINESS DAY.

19. UNDER NO CIRCUMSTANCES SHALL CONCRETE TRUCK WASH WATER BE ALLOWED TO BE DISCHARGED OR DUMPED ANYWHERE ON THE CONSTRUCTION SITE. ALL EXCESS CONCRETE OR WASH WATER SHALL BE DISPOSED AT AN APPROPRIATE OFFSITE LOCATION (SUCH AS A DESIGNATED LANDFILL) AS DIRECTED BY LOCAL AUTHORITIES.

20. ANY DISTURBED AREAS THAT WILL BE LEFT EXPOSED FOR MORE THAN THIRTY (30) DAYS, AND NOT SUBJECT TO CONSTRUCTION TRAFFIC WILL IMMEDIATELY RECEIVE TEMPORARY SEEDING WITH ANNUAL OR PERENNIAL RYE GRASS AT 30 lbs. PER ACRE, FOLLOWED BY MULCHING WITH STRAW AT A RATE OF 2 TO 2½ TONS PER ACRE.

21. ANY TEMPORARY STAGING OR STOCKPILE LOCATIONS SHALL BE WITHIN THE LIMIT OF WORK / RE-GRADING DISTURBANCE BOUNDARIES SHOWN ON THIS PLAN.

22. ANY FERTILIZER SPILLED ONTO IMPERVIOUS SURFACES SUCH AS PARKING LOTS, ROADWAYS, AND SIDEWALKS SHALL BE IMMEDIATELY CONTAINED AND REMOVED, ELSE LEGALLY RE-APPLIED PER THE NOTES IN THE SITE LANDSCAPE PLAN.

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

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

EROSION CONTROL SEQUENCE

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

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

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

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

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

(B / D-5.1) ⑤ INSTALL THE TEMPORARY SILT FENCING AT THE BOTTOM OF FUTURE FILL SLOPES WHERE SHOWN ON THE EROSION CONTROL PLAN AS PER THE INSTALLATION INSTRUCTIONS ON THE EROSION CONTROL DETAILS. CLEAR ONLY ENOUGH AREA REQUIRED TO INSTALL THE SILT FENCING PROPERLY.

⑥ CLEAR, GRUB, AND STRIP THE SITE AS SHOWN ON THE SITE DEMOLITION PLAN. STOCKPILE ALL TOPSOIL AS DIRECTED ON THE EROSION CONTROL PLAN.

⑦ ROUGH GRADE THE ENTIRE SITE. STABILIZE ALL DISTURBED AREAS AND STOCKPILES WITHIN 14 DAYS OF THE LAST DISTURBANCE ACTIVITY IN EACH AREA.

⑧ INSTALL TEMPORARY CONSTRUCTION LAY-DOWN AREA WHERE DIRECTED BY GENERAL CONTRACTOR. ADD COMPACTED PAVEMENT SUBBASE AND SURROUND BY TEMPORARY SILT FENCING DURING CONSTRUCTION OF BUILDING.

⑨ TEMPORARY TRENCH BACKFILL STOCKPILES SHALL BE PROTECTED FROM EROSION AND SEDIMENTATION USING TARPS, IF LEFT FOR LONG PERIODS OF TIME OR DURING RAIN STORMS. MINIMAL DISTURBANCE AROUND TRENCH AREAS SHALL BE MADE TO REMOVE AS LITTLE VEGETATION AS POSSIBLE FROM THE VICINITY OF THE TRENCH.

⑩ INSTALL STONE SUBBASE TO ALL PROPOSED PAVED AREAS AND COMPACT AS SHOWN IN SPECIFICATIONS ON RESPECTIVE DETAILS AS SOON AS POSSIBLE FOLLOWING ROUGH GRADING AND COMPACTION OF SUBGRADE. IMPLEMENT DUST CONTROL MEASURES AS DIRECTED ON THE EROSION CONTROL PLAN NOTES.

(A / D-5.1) ⑪ DE-WATER TEMPORARY SEDIMENT BASIN THROUGH FILTRATION DEVICE AS SHOWN IN EROSION CONTROL DETAILS. CLEAR AND DISPOSE OF ANY DEBRIS FROM SEDIMENTATION BASIN AT AN APPROPRIATE OFFSITE LOCATION BEFORE FINAL GRADING AND TOPSOILING OF DETENTION BASIN SIDE SLOPES.

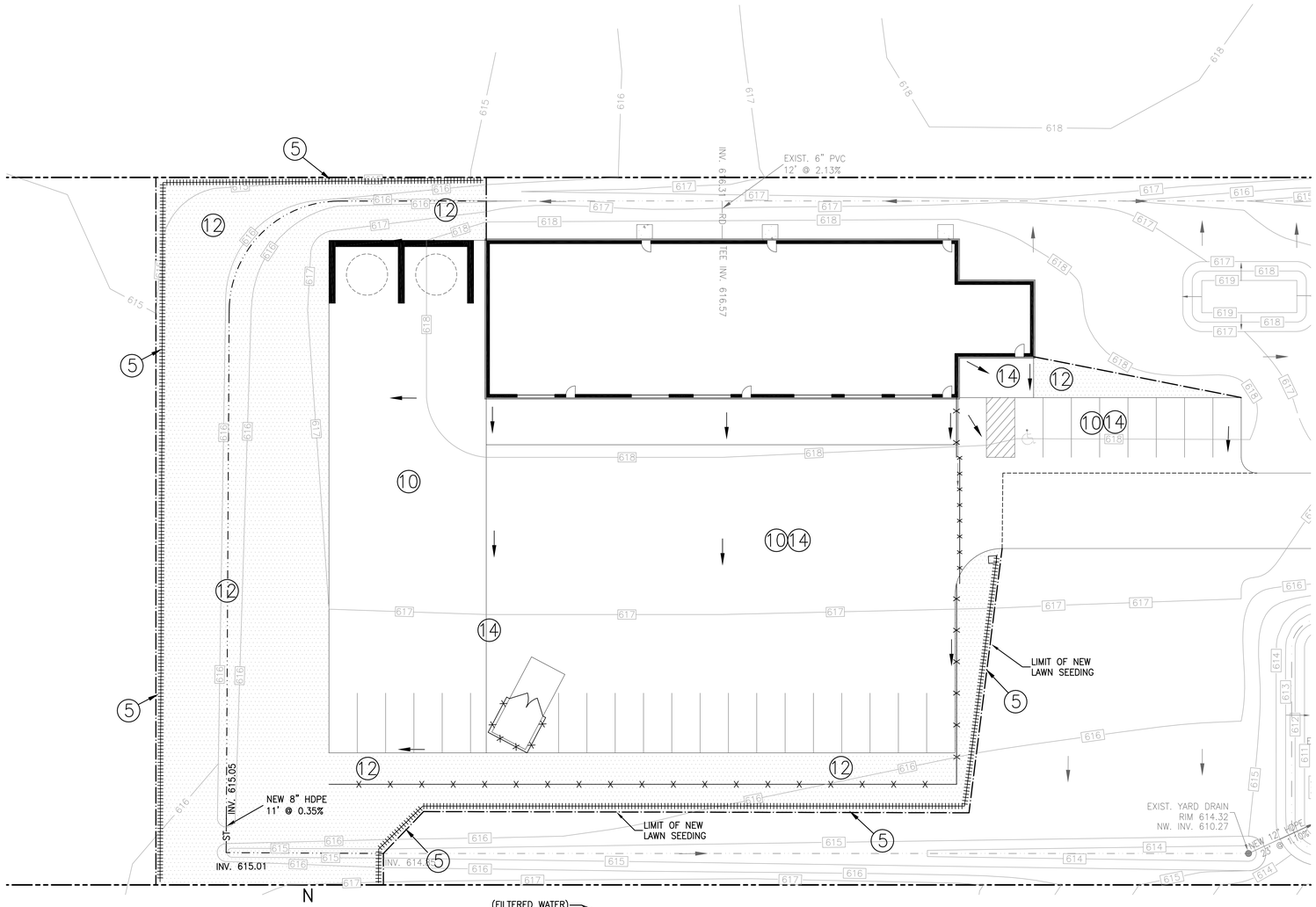
(A / D-4.0) ⑫ COMPLETE FINAL GRADING AND TOPSOILING OF ENTIRE SITE. SEED OR HYDRO-SEED WITHIN 24 HOURS AFTER FINAL GRADING AND TOPSOILING. HYDRO-MULCH IMMEDIATELY FOLLOWING SEEDING OR HYDRO-SEEDING.

⑬ REMOVE TEMPORARY SILT FENCE AFTER HYDRO-MULCHING IS COMPLETED.

⑭ INSTALL ALL ASPHALT AND CONCRETE PAVEMENT WHERE SHOWN ON THE SITE LAYOUT AND DIMENSIONAL SITE PLAN AS PER THE SITE DETAILS.

⑮ INSTALL REMAINING LANDSCAPING (SHRUBS, TREES, AND MULCH) WHERE SHOWN ON THE SITE LANDSCAPE PLAN AS PER THE LANDSCAPE DETAILS.

⑯ WHEN ALL CONSTRUCTION ACTIVITY IS COMPLETED AND SITE VEGETATION IS IN PLACE AND STABILIZED AS CONFIRMED BY THE DESIGNATED EROSION CONTROL INSPECTOR, REMOVE AND DISPOSE OF ANY REMAINING TEMPORARY EROSION CONTROL DEVICES AS DIRECTED IN THE MAINTENANCE INSTRUCTIONS ON EACH DEVICE'S RESPECTIVE DETAIL SHOWN ON THE EROSION CONTROL DETAILS.



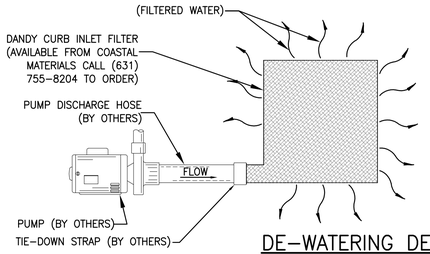
EROSION CONTROL PLAN

SCALE : 1"= 20'-0"

0 20 40 80

LEGEND

- EXISTING EDGE OF PAVEMENT
- NEW EDGE OF PAVEMENT
- PROPERTY / R.O.W. LINES
- ADJACENT PROPERTY LINES
- LIMIT OF RE-GRADING
- TEMPORARY SILT FENCE
- EXISTING CONTOUR LINES
- PROPOSED CONTOUR LINES
- STORM SEWER
- NEW CATCH BASIN
- NEW LAWN AREAS TO BE SEEDED OR HYDRO-SEEDED THEN HYDRO-MULCHED (12)
- NEW MULCH BED AREAS (15)



DE-WATERING DETAIL (A)

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

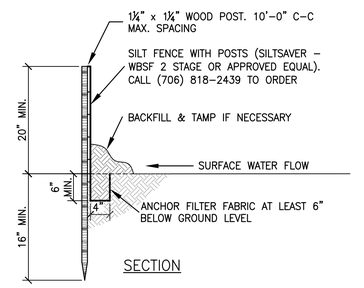
INSTALLATION INSTRUCTIONS:

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

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

MAINTENANCE INSTRUCTIONS:

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



SECTION

SILT FENCE DETAIL (B)

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

INSTALLATION INSTRUCTIONS:

1. THE SILT FENCE SHALL BE INSTALLED BEFORE ANY MASS CLEARING OR GRADING BEGINS ON SITE. CLEAR ONLY VEGETATION REQUIRED TO INSTALL THE SILT FENCE.
2. DIG A TRENCH APPROXIMATELY 6 INCHES DEEP AND 4 INCHES WIDE ALONG THE CENTERLINE OF THE FENCE LOCATIONS AS INDICATED ON THE EROSION CONTROL PLAN.
3. DRIVE POSTS SECURELY AT LEAST 16 INCHES INTO THE GROUND ON THE DOWNSLOPE SIDE OF THE TRENCH. ADJUST SPACING SO THAT POSTS ARE PLACED AT LOW POINTS ALONG THE FENCE LINE IN ORDER TO PREVENT UNDERMINING AND UPLIFT.
4. AT JOINTS OVERLAP BY 6 INCHES MINIMUM AND FASTEN SILT FENCING.
5. PLACE THE FABRIC IN THE TRENCH SO THAT THE BOTTOM FOLDS ACROSS THE BOTTOM OF THE TRENCH. PLACE BACKFILL IN THE TRENCH OVER THE FABRIC TO THE GROUND LINE AND COMPACT WITH A POWER TAMPER. EMBED FILTER FABRIC 6 INCHES MINIMUM INTO THE GROUND.

MAINTENANCE INSTRUCTIONS:

1. INSPECT SEDIMENT FENCES PERIODICALLY AND AFTER EACH RAINFALL EVENT.
2. THE SILT FENCE SHALL BE MAINTAINED BY THE CONTRACTOR AND REPAIRED OR REPLACED IF FABRIC IS TORN, FASTENERS HAVE LOOSENED, OR POSTS HAVE UN-ANCHORED FORM THE GROUND.
3. BUILT UP SEDIMENT SHALL BE REMOVED FROM SILT FENCING WHEN IT HAS REACHED ONE-THIRD THE HEIGHT OF THE FENCE. AVOID UNDERMINING OR DAMAGING SILT FENCE DURING SEDIMENT REMOVAL.
4. REMOVE TEMPORARY SILT FENCING AFTER FINAL GRADING AND TOPSOILING OF SLOPES UPSTREAM OF SILT FENCE. HYDROSEED SLOPES UPSTREAM OF SILT FENCE IMMEDIATELY FOLLOWING SILT FENCE REMOVAL.
5. RE-GRADE SILT FENCE TRENCH, TOPSOIL, AND HYDROSEED IMMEDIATELY FOLLOWING SILT FENCE REMOVAL.
6. DISPOSE OF USED SILT FENCING IN COMPLIANCE WITH APPLICABLE FEDERAL, STATE, AND LOCAL ENVIRONMENTAL LAWS AND REGULATIONS.

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

GMA CONCRETE SITE MODIFICATION
9377 COUNTY ROAD
CLARENCE, NEW YORK 14032

STATE OF NEW YORK · ANDREW V. TERRANOVA · 080634 · LICENSED PROFESSIONAL ENGINEER

STAMP/SEAL

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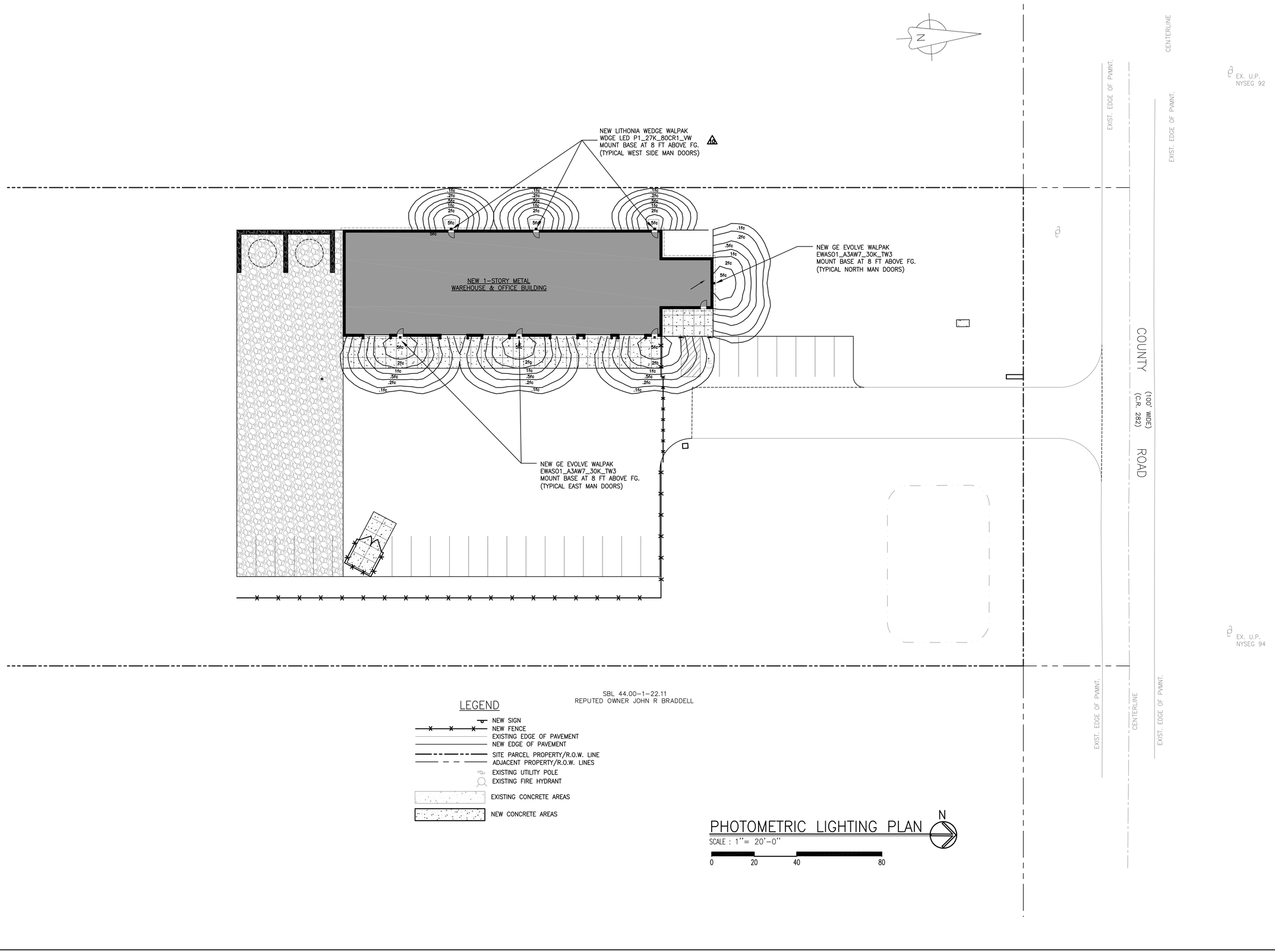
12	REV. PER LSCP. COMMITTEE	11/19/25
13	MINOR SITE PLAN MOD.	11/12/25

EROSION CONTROL PLAN

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

DRAWN BY: AVT
CHECKED BY: AVT
JOB # 20-367

SHEET
C-5.1



LEGEND

- NEW SIGN
- NEW FENCE
- EXISTING EDGE OF PAVEMENT
- NEW EDGE OF PAVEMENT
- SITE PARCEL PROPERTY/R.O.W. LINE
- ADJACENT PROPERTY/R.O.W. LINES
- EXISTING UTILITY POLE
- EXISTING FIRE HYDRANT
- EXISTING CONCRETE AREAS
- NEW CONCRETE AREAS

PHOTOMETRIC LIGHTING PLAN

SCALE : 1"= 20'-0"

0 20 40 80

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

GMA CONCRETE SITE MODIFICATION
9377 COUNTY ROAD
CLARENCE, NEW YORK 14032

STATE OF NEW YORK
ANDREW V. TERRACCIANO
080634
LICENSED PROFESSIONAL ENGINEER

STAMP/SEAL

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10		
11		
12		
13	REV. PER LSCP. COMMITTEE	11/19/25
14	MINOR SITE PLAN MOD.	11/12/25

PHOTOMETRIC LIGHTING PLAN

studio T3
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Fax: (716) 810-9504

DRAWN BY: DS
CHECKED BY: AVT
JOB # 20-367

SHEET
C-6.0

NORTH

760.00'

225.00'

PARCEL 2"
VACANT
3.67 ACRES±
(EXCLUDING HIGHWAY)

SET REBAR W/CAP

SET REBAR W/CAP CORNER

HORIZONTAL CONTROL POINT

HOLD ADJ

CENTERLINE OF ROAD

EDGE OF PAVEMENT

SWALE

DITCH

PARALLEL WITH THE NORTH LINE OF LOT 1

948.19' MEAS. TO THE EAST LINE OF LOT 1 (CENTERLINE GOODRICH ROAD 66' WIDE)

760.00'

225.00'

SET REBAR W/CAP

SET REBAR W/CAP CORNER

HORIZONTAL CONTROL POINT

HOLD ADJ

CENTERLINE OF ROAD

EDGE OF PAVEMENT

DITCH

SET REBAR W/CAP

SBL 44.00-1-22.11
REPUTED OWNER JOHN R BRADDELL

APPROXIMATE LOCATION OF BURIED WATER LINE±

CENTERLINE NORTH LINE OF LOT 1, SECTION 12

APPROXIMATE LOCATION OF PURPORTED GAS LINE±

COUNTY (100' WIDE) ROAD

TOPOGRAPHIC SURVEY
FOR
MIKE GIANGRECO

ELEVATIONS BASED ON NAVD 88 AS ESTABLISHED BY GPS UTILIZING THE NYSDOT NYSNet GNSS NETWORK

PART OF LOT: 1		SECT: 12	TWP: 12	RGE: 6
MAP COVER:	SUB LOT:		BLK:
LOCATED IN: TOWN OF CLARENCE, COUNTY OF ERIE, STATE OF NEW YORK			

DATE	DRAWING REVISIONS
01/18/2021	ADDED TOPO

WARNING:
UNAUTHORIZED ALTERATION OR ADDITION TO A SURVEY MAP BEARING A LICENSED LAND SURVEYOR'S SEAL IS A VIOLATION OF SECTION 7209, SUB-DIVISION 2, OF THE NEW YORK STATE EDUCATION LAW. © COPYRIGHT 2020 WM. SCHUTT & ASSOCIATES

SCALE: 1"=60'	DATE: 11/20/2020	SURVEY FILE: 05008H-03

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