



**TOWN OF NEWBURGH
PLANNING BOARD
TECHNICAL REVIEW COMMENTS**

PROJECT NAME: KINGDOM HALL
PROJECT NO.: 22-31
PROJECT LOCATION: 33 OLD LITTLE BRITAIN RD
SECTION 97, BLOCK 3, LOT 13
REVIEW DATE: 14 APRIL 2023
MEETING DATE: 20 APRIL 2023
PROJECT REPRESENTATIVE: GREENMAN – PEDERSEN, INC

1. A Tree Preservation Plan consistent with the Town’s current Tree Preservation Ordinance has been submitted. The plan was prepared by a ISA Certified Arborist. It is recommended that the information pertaining to the arborist be included as a note on the plan sheets involving the Tree Preservation Ordinance. A description of each tree is provided identifying poor/fair/diseased/critical. The definition of each of these should be placed on the plan. 48% of the specimen trees are proposed to be removed, while 33% of the significant trees are proposed to be removed. These percentage removals comply with the ordinance and no re-planting fee would be attributed to the project.
2. Highway Superintendents comments on the driveway location should be received.
3. A Stormwater Pollution Prevention Plan has been submitted and is under review by this office.
4. Town of Newburgh Water and Sewer Notes must added to the plans. Copy attached.
5. Typo for the septic system should be corrected to identify the 1,200 gallon septic tank.
6. The three-bed valve box functioning should be further explained. Detail identifies pumps while the plan does not contain any pumps. It is recommended that an Engineer’s Report for the subsurface sanitary sewer disposal system be prepared identifying the proposed operation of the subsurface sanitary sewer disposal system which has been defined in three sections. The results of deep test and percolation test should be identified on the plans. Location of the tests should be shown on the plans.
7. Address the need for a 100% expansion area for the subsurface sanitary sewer disposal system.
8. The Highway Superintendents comments regarding the proposed drainage at the access drive and the need for a defined swale along the roadway frontage, should be received.
9. The topography identifies that the slight swale along the property frontage does not exist in easterly direction. Flow along the roadway should be evaluated.

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10. Stormwater Management Facilities which contain open water must be fenced per Town of Newburgh Code.
11. A Stormwater Facilities Maintenance Agreement will be required to be executed for the long-term operation and maintenance of the Stormwater Management Facilities proposed on the site.
12. The location for the infiltration testing for the Stormwater Management Facilities should be identified on the plans.
13. The portions of the SWPPP which identify the flow to Washington Lake should be revised. The site is located down gradient of the Washington Lake watershed. Small portions of the site may be tributary to the Lockwood Basin, however the Lockwood Basin is not part of the City of Newburgh's water supply.
14. A review of the Geotech Report only identifies one boring in the vicinity of the Stormwater Management Basin.
15. The Narrative Report identifies that two infiltration tests were conducted within the Stormwater Basin. "The results vary between 1.5 and 2.5 inches per hour." The stormwater model identifies infiltration rates of 4 inches per hour. Confirm that adequate infiltration testing in accordance with NYSDEC requirements has been identified.
16. The Orange County Planning Department has issued a mandatory comment regarding the 239 Referral Response. The mandatory comment identifies the site being tributary to Washington Lake, the City of Newburgh water supply reservoir. The project site is *not* tributary to Washington Lake.

Respectfully submitted,

MHE Engineering, D.P.C.



Patrick J. Hines
Principal
PJH/kbw

February 15, 2023

Mr. John P. Ewasutyn, Chairman
Town of Newburgh Planning Board
21 Hudson Valley Plaza
Newburgh, NY 12550

Re: **Jehovah's Witnesses 220 Seat New Kingdom Hall**
33 Old Little Britain Road, Newburgh, NY
Town of Newburgh Planning Board
MHE Engineering and Creighton Manning – Response to Technical Review Comments

Dear Chairman Ewasutyn and Planning Board Members,

Greenman-Pedersen, Inc. (GPI) has reviewed the Technical Review Comments received from MHE Engineering and Creighton Manning on the referenced projects Application for Site Plan Approval. We offer the following responses on how these comments have been addressed in the submission being made today. JWCS fully intends to work with the Town and their consultants to satisfy all requirements needed for review and approval.

MHE Engineering Comments and response:

1. The proposed use is permitted in the zone with site plan approval by the Planning Board.
 - *Acknowledged.*
2. The EAF submitted identifies the site within close proximity to several NYSDEC spill or remediation sites. Additional information should be solicited from the NYSDEC regarding the sites.
 - *A Phase 1 ESA was completed for the project. A copy is included with the latest submission to the Town. Conclusions indicated no concerns from adjacent properties. The existing building does contain asbestos and will be removed in compliance with Town /NYSDEC demolition requirements.*
3. A Bulk Table identifying required and proposed bulk compliance should be provided.
 - *The Bulk Table has been added to the Plans on sheet C-001.*
4. Standard notes with connection to the Town of Newburgh Water System must be added to the plans. Copy attached.
 - *Standard notes were obtained and have been added to the plans on sheet C-505.*
5. The applicants are requested to address drainage at the access drive intersection to the Town roadway. A negative flow from the Town roadway should be provided. Existing drainage structures should be addressed at this access drive.
 - *The driveway entrance has been further evaluated and the design further detailed to ensure negative flow from the Town roadway. The existing drainage structure will remain but will have a solid cover placed on top to remove the grate. Additional drainage structures have been included in the design conveying stormwater drainage from west to east below the driveway. The outfall of the existing storm drainage will also be improved by adding necessary Flared end sections and rip rap aprons.*

6. The applicant's representative are requested to confirm the size of the water service lateral servicing the site. The narrative identifies a small diameter lateral while the plans identify a larger lateral. The building will be required to be sprinklered. Building sprinkler line should be designed in accordance with the attached detail.
 - *The project MEP has identified that a 6 inch lateral will be required from the municipal water main. This 6 inch line will be split in the building for domestic and fire protection services and will have required backflow protection included. As required by the Town code, the building will be sprinklered.*
7. Design of the subsurface sanitary sewer disposal system must be submitted.
 - *Design of the subsurface sanitary systems was completed and included in the current plan set with Revision Date of 15 Feb 23 – Submission to Town. Grading for the systems is shown on Sheet CG101, Utility information is included on Sheet CU101 and detailing for the system is included on Sheet C-505. The engineers letter report also included with this submission documents the flows and sizing information for the system.*
8. A Stormwater Pollution Prevention Plan/Stormwater Management Report should be provided. Conflicting information identifies the stormwater pond tie into existing drainage while plans identify surface discharge. Information pertaining to existing stormwater pipes within Old Little Britain Road should be provided including rims, pipe sizes, inverts, discharge locations, etc. This mapping should be provided to a natural water course discharge point.
 - *A Stormwater Pollution Prevention Plan is included in the 15 Feb 23 submission and address the discharge requirements. The report works in conjunction with the Grading for the grading for the site shown on Sheet CG101, and the utility information included on Sheet CU101. The system will largely recharge stormwater events through an infiltration basin located in the northeast corner of the site. This location is included within Subcatchment DA-1A and 1B and ultimately discharges to existing Design Point 1 located west of the adjacent property also owned by the project sponsor. A comparison of the pre- and post-development watershed conditions was performed for all design points and storm events evaluated herein. This comparison demonstrates that the peak rate of runoff will not be increased, and pre-development rates will be maintained. Therefore, the project will not have a significant adverse impact on the adjacent or downstream properties or receiving water courses.*
9. The Town of Newburgh requires double striping of the parking spots. (Detail Attached).
 - *Required double striping has been included for parking spot striping.*
10. Numerous curb details are included; the actual curb details to be utilized should be placed on the plans.
 - *Detailing for curbing along with detail call outs have been included on the 15 Feb 23 submission plans.*
11. Sanitary sewer flows in excess of 1,000 gallons require a NYSDEC SPDES Permit & Health Department review.
 - *The included Engineers report for water and wastewater identifies the calculated flows for the proposed project. Flows will be under 1,000 gallons therefore not requiring a NYSDEC SPDES Permit System review will be per normal Town/DOH procedures.*

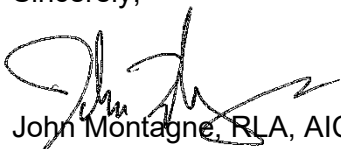
12. List of contacts for utility companies identifies incorrect address for Town of Newburgh Water & Sewer. Notes should identify 308 Gardnertown Road as the Town Water and Sewer Dept. address.
 - *Noted.*
13. The compliance with the Town of Newburgh recently adapted Tree Conservation Ordinance must be documented.
 - *The 15 Feb 23 plan submission includes a full tree survey generated to meet the intent of the Tree Conservation Ordinance. Tree identification was completed by Quanika Stover, ISA Certified Arborist NJ-1285A*
14. The existing structure on the site proposed to be removed requires a Demolition Permit from the Town of Newburgh Building Department. Appropriate notes should be placed on the plans.
 - *Appropriate Demolition notes referencing the Town Demolition Permit requirements have been added to the 15 Feb 23 submission plans.*
15. The boundary and topographic Survey identifies property lines to the centerline of the roadway. Offers of dedication and cession should be taken for a strip of land 25ft off the centerline.
 - *Noted – the future ROW line has been shown on the 15 Feb 23 submission plans along with an adjusted front yard setback.*
16. Adjoiner's Notices must be sent out prior to next appearance.
 - *Noted – this has been coordinated with the Town.*
17. Planning Referral will be required as project is in proximity to lands owned by the City of Newburgh.
 - *Noted*
18. A Site Lighting & Landscaping Plan must be provided in future submissions.
 - *Site lighting has been included on the utility plan Sheet CU101 in the 15 Feb 23 submission plans.*
 - *Site landscaping has been included on the Landscaping Plan LP101 in the 15 Feb 23 submission plans.*
19. Pedestrian connection to neighboring facility should be provided.
 - *JWCS has reviewed the need and options for creating a Pedestrian connection to the neighboring facility. The Town does not allow for sidewalks within the Town ROW. Given this any connecting walk would either need to run on the project site south of the Town ROW or up the hill internal on the lot. An internal path would need to wind up the steeper hill within the property and would require additional tree clearing, likewise, a sidewalk along the ROW would also require additional clearing and grading not desired by JWCS and counter intuitive to the Town Tree Conservation Ordinance. Each Kingdom Hall building functions independent of other nearby Kingdom Halls. For these reasons, JWCS does not wish to include a pedestrian connection between the two properties.*

Creighton Manning Engineering Comments and response:

1. The narrative and EAF describes the construction of a 4,992 building (there is a typo on the site plans sheets – “4,4992 SF”). This project is immediately west of the existing Kingdom Hall at 23 Old Little Britain Road. According to the applicant an additional Kingdom Hall is necessary to keep up with growth in the local congregation. These smaller halls are used for local day to day and week to week meetings, while the larger Unity Place Hall is used for special regional events.
 - *The typo on the site plans has been corrected.*

2. The site driveway is opposite Dewey Drive along Old Little Britain Road, which has a 30 mph posted speed limit. Sight distances should be identified for the proposed project.
 - *Sight distance has been evaluated and is graphically depicted on the site plan with dimensions. The site Grading Plan also shows the proposed site clearing and grading envisioned to ensure the site driveway meets sight distance requirements. This is included in the 15 Feb 23 submission plans.*
3. The narrative describes traffic to be less than 300 vehicles per day based on data maintained by JW for similar halls. An estimate of the peak 1-hour periods should be provided, which has been described as weekdays from 6 to 7 pm, and weekends from 9 to 10 am. Seventy-four (74) parking spaces are provided; will this be adequate for the proposed use?
 - *As noted, the Peak weekday period is from 6 to 7pm. The associated trips generated for a 220 seat Kingdom Hall is historically recorded at 45 PM Peak Hour Trips.*
 - *The Peak weekend period is from 9 to 10am. The associated trips generated for a 220 seat Kingdom Hall is historically recorded at a maximum of 60 PM Peak Hour trips.*
 - *As noted on the plan set cover sheet required parking for a 220 seat place of worship is 1 space per 3 seats or 74 spaces. This is likely to be higher than that required by JWCS as on average 4 patrons per vehicle is found to be the average and the Halls do not regularly reach full capacity. The 74 spaces are felt to meet JWCS needs for this location.*
4. The entrance monument sign is set far back from the road. If the existing road vegetation remains (as it is proposed), visibility to the sign will be limited. Consider moving it closer to the road or rotating it to face the road.
 - *After review of options for the main entrance it has been decided to develop two bracketing stone walls. Final detailing of these walls will include two areas for flush mounted identification signs. JWCS also desires to have two ground mounted lights set in front of the walls that shine directly on the flush mounted sign faces. Final detailing of these features will be completed upon general agreement by the Planning Board with this approach. The entrance wall design is included in the 15 Feb 23 submission plans.*
5. Will a gate at the entrance be provided like 23 Old Little Britain Road?
 - *A slide gate will be provided at the entrance. At this time a manually operated slide gate is envisioned. It will be erected upgrade of the entrance walls. Final detailing of the gate will be completed upon general agreement by the Planning Board with this approach. The gate is included in the 15 Feb 23 submission plans.*

Sincerely,



John Montagne, RLA, AICP, LEED® AP
VP | Director Land Development
80 Wolf Road, Albany, NY
518-898-9532

Full Environmental Assessment Form
Part 1 - Project and Setting

Instructions for Completing Part 1

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

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

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

A. Project and Applicant/Sponsor Information.

Name of Action or Project:		
Project Location (describe, and attach a general location map):		
Brief Description of Proposed Action (include purpose or need):		
Name of Applicant/Sponsor:		Telephone:
		E-Mail:
Address:		
City/PO:	State:	Zip Code:
Project Contact (if not same as sponsor; give name and title/role):		Telephone:
		E-Mail:
Address:		
City/PO:	State:	Zip Code:
Property Owner (if not same as sponsor):		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 <input type="checkbox"/> Yes <input type="checkbox"/> No		
b. City, Town or Village Planning Board or Commission <input type="checkbox"/> Yes <input type="checkbox"/> No		
c. City, Town or Village Zoning Board of Appeals <input type="checkbox"/> Yes <input type="checkbox"/> No		
d. Other local agencies <input type="checkbox"/> Yes <input type="checkbox"/> No		
e. County agencies <input type="checkbox"/> Yes <input type="checkbox"/> No		
f. Regional agencies <input type="checkbox"/> Yes <input type="checkbox"/> No		
g. State agencies <input type="checkbox"/> Yes <input type="checkbox"/> No		
h. Federal agencies <input type="checkbox"/> Yes <input type="checkbox"/> No		
i. Coastal Resources. <ul style="list-style-type: none"> <li>i. Is the project site within a Coastal Area, or the waterfront area of a Designated Inland Waterway? <input type="checkbox"/> Yes <input type="checkbox"/> No <li>ii. Is the project site located in a community with an approved Local Waterfront Revitalization Program? <input type="checkbox"/> Yes <input type="checkbox"/> No <li>iii. Is the project site within a Coastal Erosion Hazard Area? <input type="checkbox"/> Yes <input type="checkbox"/> 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):

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?

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? _____

b. What police or other public protection forces serve the project site?

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

d. What parks serve the project site?

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)?

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

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

d. Is the proposed action a subdivision, or does it include a subdivision? Yes No
If Yes,

i. Purpose or type of subdivision? (e.g., residential, industrial, commercial; if mixed, specify types)

ii. Is a cluster/conservation layout proposed? Yes No

iii. Number of lots proposed? _____

iv. Minimum and maximum proposed lot sizes? Minimum _____ Maximum _____

e. Will the proposed action be constructed in multiple phases? Yes No

i. If No, anticipated period of construction: _____ months

ii. If Yes:

- Total number of phases anticipated _____
- Anticipated commencement date of phase 1 (including demolition) _____ month _____ year
- Anticipated completion date of final phase _____ month _____ year

• Generally describe connections or relationships among phases, including any contingencies where progress of one phase may determine timing or duration of future phases: _____

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

	<u>One Family</u>	<u>Two Family</u>	<u>Three Family</u>	<u>Multiple Family (four or more)</u>
Initial Phase	_____	_____	_____	_____
At completion	_____	_____	_____	_____
of all phases	_____	_____	_____	_____

g. Does the proposed action include new non-residential construction (including expansions)? Yes No
 If Yes,

i. Total number of structures _____

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

iii. Approximate extent of building space to be heated or cooled: _____ square feet

h. Does the proposed action include construction or other activities that will result in the impoundment of any liquids, such as creation of a water supply, reservoir, pond, lake, waste lagoon or other storage? Yes No
 If Yes,

i. Purpose of the impoundment: _____

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

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

iv. Approximate size of the proposed impoundment. Volume: _____ million gallons; surface area: _____ acres

v. Dimensions of the proposed dam or impounding structure: _____ height; _____ length

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

D.2. Project Operations

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

i. What is the purpose of the excavation or dredging? _____

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

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

iii. Describe nature and characteristics of materials to be excavated or dredged, and plans to use, manage or dispose of them.

iv. Will there be onsite dewatering or processing of excavated materials? Yes No
 If yes, describe. _____

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

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

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

viii. Will the excavation require blasting? Yes No

ix. Summarize site reclamation goals and plan: _____

b. Would the proposed action cause or result in alteration of, increase or decrease in size of, or encroachment into any existing wetland, waterbody, shoreline, beach or adjacent area? Yes No
 If Yes:

i. Identify the wetland or waterbody which would be affected (by name, water index number, wetland map number or geographic description): _____

ii. Describe how the proposed action would affect that waterbody or wetland, e.g. excavation, fill, placement of structures, or alteration of channels, banks and shorelines. Indicate extent of activities, alterations and additions in square feet or acres:

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

If Yes, describe: _____

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

If Yes:

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

v. Describe any proposed reclamation/mitigation following disturbance: _____

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

If Yes:

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

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

If Yes:

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

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

If Yes:

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

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

If Yes:

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

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

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

d. Will the proposed action generate liquid wastes? Yes No

If Yes:

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

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

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

If Yes:

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

• Do existing sewer lines serve the project site? Yes No
 • Will a line extension within an existing district be necessary to serve the project? Yes No
 If Yes:
 • Describe extensions or capacity expansions proposed to serve this project: _____

iv. Will a new wastewater (sewage) treatment district be formed to serve the project site? Yes No
 If Yes:
 • Applicant/sponsor for new district: _____
 • Date application submitted or anticipated: _____
 • What is the receiving water for the wastewater discharge? _____

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

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

e. Will the proposed action disturb more than one acre and create stormwater runoff, either from new point sources (i.e. ditches, pipes, swales, curbs, gutters or other concentrated flows of stormwater) or non-point source (i.e. sheet flow) during construction or post construction? Yes No
 If Yes:
 i. How much impervious surface will the project create in relation to total size of project parcel?
 _____ Square feet or _____ acres (impervious surface)
 _____ Square feet or _____ acres (parcel size)
 ii. Describe types of new point sources. _____

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

 • If to surface waters, identify receiving water bodies or wetlands: _____

• Will stormwater runoff flow to adjacent properties? Yes No

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

f. Does the proposed action include, or will it use on-site, one or more sources of air emissions, including fuel combustion, waste incineration, or other processes or operations? Yes No
 If Yes, identify:
 i. Mobile sources during project operations (e.g., heavy equipment, fleet or delivery vehicles)

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

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

g. Will any air emission sources named in D.2.f (above), require a NY State Air Registration, Air Facility Permit, or Federal Clean Air Act Title IV or Title V Permit? Yes No
 If Yes:
 i. Is the project site located in an Air quality non-attainment area? (Area routinely or periodically fails to meet ambient air quality standards for all or some parts of the year) Yes No
 ii. In addition to emissions as calculated in the application, the project will generate:
 • _____ Tons/year (short tons) of Carbon Dioxide (CO₂)
 • _____ Tons/year (short tons) of Nitrous Oxide (N₂O)
 • _____ Tons/year (short tons) of Perfluorocarbons (PFCs)
 • _____ Tons/year (short tons) of Sulfur Hexafluoride (SF₆)
 • _____ Tons/year (short tons) of Carbon Dioxide equivalent of Hydroflouorocarbons (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 1/2 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.

<p>i. During Construction:</p> <ul style="list-style-type: none"> • Monday - Friday: _____ • Saturday: _____ • Sunday: _____ • Holidays: _____ 	<p>ii. During Operations:</p> <ul style="list-style-type: none"> • Monday - Friday: _____ • Saturday: _____ • Sunday: _____ • Holidays: _____
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m. Will the proposed action produce noise that will exceed existing ambient noise levels during construction, operation, or both? Yes No
 If yes:
 i. Provide details including sources, time of day and duration:

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:

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 Covertypes	Current Acreage	Acreage After Project Completion	Change (Acres +/-)
• Roads, buildings, and other paved or impervious surfaces			
• Forested			
• Meadows, grasslands or brushlands (non-agricultural, including abandoned agricultural)			
• Agricultural (includes active orchards, field, greenhouse etc.)			
• Surface water features (lakes, ponds, streams, rivers, etc.)			
• Wetlands (freshwater or tidal)			
• Non-vegetated (bare rock, earth or fill)			
• Other Describe: _____ _____			

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

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

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

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

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

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

- If yes, cite sources/documentation: _____

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

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: All noted activities are off site - NYSEG, Little Britain Road Service Center 610 Little Britain Road; Macbeth Kollmorgen 405-415 Little Britain Road

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): _____ (See location information above)

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? _____ feet

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

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

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: _____ % of site
 Moderately Well Drained: _____ % of site
 Poorly Drained _____ % of site

f. Approximate proportion of proposed action site with slopes: 0-10%: _____ % of site
 10-15%: _____ % of site
 15% or greater: _____ % of site

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

h. Surface water features.

i. Does any portion of the project site contain wetlands or other waterbodies (including streams, rivers, ponds or lakes)? Yes No

ii. Do any wetlands or other waterbodies adjoin the project site? Yes No
 If Yes to either *i* or *ii*, continue. If No, skip to E.2.i.

iii. Are any of the wetlands or waterbodies within or adjoining the project site regulated by any federal, state or local agency? Yes No

iv. For each identified regulated wetland and waterbody on the project site, provide the following information:

- Streams: Name _____ Classification _____
- Lakes or Ponds: Name _____ Classification _____
- Wetlands: Name _____ Approximate Size _____
- Wetland No. (if regulated by DEC) _____

v. Are any of the above water bodies listed in the most recent compilation of NYS water quality-impaired waterbodies? Yes No
 If yes, name of impaired water body/bodies and basis for listing as impaired: _____

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

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

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

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

m. Identify the predominant wildlife species that occupy or use the project site: _____ _____ _____	
n. Does the project site contain a designated significant natural community? <input type="checkbox"/> Yes <input type="checkbox"/> No If Yes: <i>i.</i> Describe the habitat/community (composition, function, and basis for designation): _____ _____ <i>ii.</i> Source(s) of description or evaluation: _____ <i>iii.</i> Extent of community/habitat: <ul style="list-style-type: none"> • 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? <input type="checkbox"/> Yes <input type="checkbox"/> No If Yes: <i>i.</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? <input type="checkbox"/> Yes <input type="checkbox"/> No If Yes: <i>i.</i> Species and listing: _____ _____	
q. Is the project site or adjoining area currently used for hunting, trapping, fishing or shell fishing? <input type="checkbox"/> Yes <input type="checkbox"/> 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? <input type="checkbox"/> Yes <input type="checkbox"/> No If Yes, provide county plus district name/number: _____	
b. Are agricultural lands consisting of highly productive soils present? <input type="checkbox"/> Yes <input type="checkbox"/> No <i>i.</i> If Yes: acreage(s) on project site? _____ <i>ii.</i> 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? <input type="checkbox"/> Yes <input type="checkbox"/> No If Yes: <i>i.</i> Nature of the natural landmark: <input type="checkbox"/> Biological Community <input type="checkbox"/> Geological Feature <i>ii.</i> 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? <input type="checkbox"/> Yes <input type="checkbox"/> No If Yes: <i>i.</i> CEA name: _____ <i>ii.</i> Basis for designation: _____ <i>iii.</i> Designating agency and date: _____	

<p>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? <input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>If Yes:</p> <p style="margin-left: 20px;">i. Nature of historic/archaeological resource: <input type="checkbox"/> Archaeological Site <input type="checkbox"/> Historic Building or District</p> <p style="margin-left: 20px;">ii. Name: _____</p> <p style="margin-left: 20px;">iii. Brief description of attributes on which listing is based: _____</p>
<p>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? <input type="checkbox"/> Yes <input type="checkbox"/> No</p>
<p>g. Have additional archaeological or historic site(s) or resources been identified on the project site? <input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>If Yes:</p> <p style="margin-left: 20px;">i. Describe possible resource(s): _____</p> <p style="margin-left: 20px;">ii. Basis for identification: _____</p>
<p>h. Is the project site within five miles of any officially designated and publicly accessible federal, state, or local scenic or aesthetic resource? <input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>If Yes:</p> <p style="margin-left: 20px;">i. Identify resource: _____</p> <p style="margin-left: 20px;">ii. Nature of, or basis for, designation (e.g., established highway overlook, state or local park, state historic trail or scenic byway, etc.): _____</p> <p style="margin-left: 20px;">iii. Distance between project and resource: _____ miles.</p>
<p>i. Is the project site located within a designated river corridor under the Wild, Scenic and Recreational Rivers Program 6 NYCRR 666? <input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>If Yes:</p> <p style="margin-left: 20px;">i. Identify the name of the river and its designation: _____</p> <p style="margin-left: 20px;">ii. Is the activity consistent with development restrictions contained in 6NYCRR Part 666? <input type="checkbox"/> Yes <input type="checkbox"/> No</p>

F. Additional Information

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

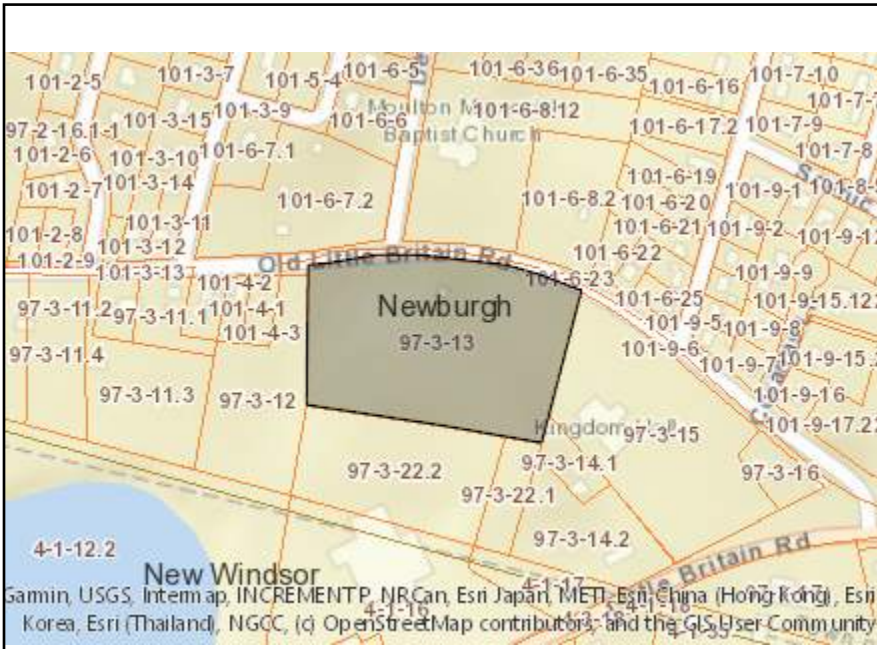
If you have identified any adverse impacts which could be associated with your proposal, please describe those impacts plus any measures which you propose to avoid or minimize them.

G. Verification

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

Applicant/Sponsor Name JW Congregation Support, Inc. Josh Modglin Date 11/22/2022

Signature _____ Title Design Lead



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]	Remediation Sites:336031, Remediation Sites:V00312, Remediation Sites:C336031
E.1.h [DEC Spills or Remediation Site - Potential Contamination History]	Yes - Digital mapping data for Spills Incidents are not available for this location. Refer to EAF Workbook.
E.1.h.i [DEC Spills or Remediation Site - Listed]	Yes
E.1.h.i [DEC Spills or Remediation Site - Environmental Site Remediation Database]	Yes
E.1.h.i [DEC Spills or Remediation Site - DEC ID Number]	336031, V00312, C336031
E.1.h.iii [Within 2,000' of DEC Remediation Site]	Yes
E.1.h.iii [Within 2,000' of DEC Remediation Site - DEC ID]	336031, 336037, V00312, C336031
E.2.g [Unique Geologic Features]	No
E.2.h.i [Surface Water Features]	No
E.2.h.ii [Surface Water Features]	Yes
E.2.h.iii [Surface Water Features]	Yes - Digital mapping information on local and federal wetlands and waterbodies is known to be incomplete. Refer to EAF Workbook.
E.2.h.v [Impaired Water Bodies]	No
E.2.i [Floodway]	No
E.2.j [100 Year Floodplain]	No
E.2.k [500 Year Floodplain]	No

E.2.l. [Aquifers]	No
E.2.n. [Natural Communities]	No
E.2.o. [Endangered or Threatened Species]	No
E.2.p. [Rare Plants or Animals]	No
E.3.a. [Agricultural District]	No
E.3.c. [National Natural Landmark]	No
E.3.d [Critical Environmental Area]	No
E.3.e. [National or State Register of Historic Places or State Eligible Sites]	Digital mapping data are not available or are incomplete. Refer to EAF Workbook.
E.3.f. [Archeological Sites]	No
E.3.i. [Designated River Corridor]	No

Phase I Environmental Site Assessment 33 Old Little Britain Road

Town of Newburgh, NY

April 22, 2020



Prepared by:

**ALPINE ENVIRONMENTAL SERVICES, INC.
438 NEW KARNER ROAD
ALBANY, NEW YORK 12205**

**Project:
20-25458-E**

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Appendix B:	Environmental Database Report
Appendix C:	Sanborn Fire Insurance Maps
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EXECUTIVE SUMMARY

Alpine Environmental Services, Inc. has completed a Phase I Environmental Site Assessment ("Phase I ESA") in conformance with the scope and limitations of ASTM Practice E 1527-13 on the Subject Property (SP), 6.8-acre land parcel which lies along the south side of Old Little Britain Road in the Town of Newburgh, Orange County NY.

The SP appears to have been utilized as a residential property or farmland from 1900 or earlier, with the existing house listed as having been constructed in 1900. Aerial photography in 1940/1942 indicates the presence of a second house or a barn that was present in the center of the property, to the south/southeast of the existing house and a smaller shed building southwest of the existing house. The southern house or barn was no longer present by 1962 and two out buildings (sheds or garages) were present south of the existing house at that time. From 1940 through the 1970's the property was mostly cleared land that was either grass surfaced or farmed land.

Provided below is a summary of the findings identified as a result of this ESA. This summary provides our opinions as to the potential impact of these findings to the site based on the Phase I ESA process. These findings are grouped into recognized environmental conditions & de minimis conditions, data gaps, and non-ASTM conditions.

Recognized Environmental Conditions & De Minimis Conditions

This assessment has revealed evidence of recognized environmental conditions (REC's) on the SP as follows.

Vent and fill pipes are present on the east side of the property and appear to be associated with a heating oil tank that either is or was present in the basement of the house. The floors above the basement has collapsed into the basement inhibiting any observation of this basement area during the site visit. If this tank is still present or was present and leaked petroleum within the basement, or still contains petroleum, it may be associated with a petroleum spill in this basement. If the tank is still present it must be properly cleaned and closed to prevent any future spill. If the tank leaked petroleum, a spill requiring remedial actions may have occurred and may have to be investigated to determine if soil and groundwater quality have been impacted.

Data Gaps

At the time of this report, government agencies have been largely ordered to work from home due to restrictions ordered by the NYS Governor in response to the Corona Virus Pandemic. It is presumed that FOIL responses from government agencies are suspended or delayed at this time due to this condition. No other data gaps were identified during this Phase I ESA.

Non ASTM Environmental Conditions

Filling has occurred on the adjacent Central Hudson Gas & Electric Facility to construct sand, stone and gravel storage buildings. Historic imagery suggests that this filling may have encroached onto this corner of the SP. There is no information that would suggest that this filling resulted in the placement of impacted soil, but this study did not include an assessment of the CHG&E Facility and so the quality of fill placed on the SP is unknown.

Filling has occurred on the westerly adjacent property. This filling appears to have included the placement of Concrete, wood and other construction/demolition debris and may include other materials not visible from the SP. This property appears to be topographically downgradient of the SP and so the risk of impacts to site soil and groundwater quality is expected to be unlikely, but the content of the fill is unknown and so the risk for impacts to the site is undefined.

The SP is in an area where radon levels within structures may exceed the EPA action level for radon mitigation.

Based on the age of the site house building, it may contain lead and/or asbestos. The building was unsafe for entry and so direct observation of interior building materials was not possible. Determination of the presence or absence of asbestos building materials should be determined before demolition or renovation of this building.

1.0 INTRODUCTION

Alpine Environmental Services, Inc. (Alpine) performed a Phase I Environmental Site Assessment (ESA) of the property known as 33 Old Little Britain Road in the Town of Newburgh, Orange County, New York. This 6.8-acre land parcel lies along the south side of Old Little Britain Road, with access to the site via a degraded asphalt/gravel driveway from Old Little Britain Road. A single tax parcel that is the entire site is identified on Orange County Tax Mapping as parcel 97-3-13. This property as described is identified throughout this report as the Subject Property (SP).

This Phase I ESA was prepared for JW Congregation Support, Inc., as an environmental due diligence investigation for a sale or purchase of the property.

1.1 Purpose

The purpose of this Phase I ESA is to reasonably identify potential or known recognized environmental conditions (RECs) and Significant Data Gaps (SDGs) as defined by ASTM E 1527-13.

1.2 Scope of Services

The methodology employed for this Phase I ESA is consistent with the requirements of, ASTM E 1527-13.

A commercially available database summary report for Federal and State regulatory databases, was utilized to determine the possible presence or release of hazardous substances or petroleum product at the site and/or within the ASTM search distances identified in ASTM E 1527-13.

1.3 Qualifications

This Phase I ESA has been conducted by a qualified environmental professional with the required level of education in an environmental field of study and experience in the performance of Phase I ESAs and ASTM Standard requirements. These qualifications are consistent with environmental professional requirements referenced in the ASTM E 1527-13 standard.

1.4 User Responsibility

The purpose of this section is to describe tasks to be performed by the *user*. The “All Appropriate Inquiries” Final Rule (40 CFR Part 312) requires that these tasks be performed by or on behalf of a party seeking to qualify for an LLP to CERCLA liability. These tasks must also be completed by or on behalf of EPA Brownfield Assessment and Characterization grantees. The following *User required* items were not performed by Alpine as part of this ESA.

- Review Title and Judicial Records for Environmental Liens and Activity and Use Limitations (AULs)—To meet the requirements of 40 CFR 312.20 and 312.25, a search for the existence of environmental liens and AULs that are filed or recorded against the property. The *User* should engage a title company, real estate attorney, or title professional to undertake this review.
- Users must take into account their specialized knowledge to identify conditions indicative of releases or threatened releases. If the user has any specialized knowledge or experience that is material to recognized environmental conditions in connection with

the property, the user should communicate any information based on such specialized knowledge or experience to the environmental professional.

- If the user has actual knowledge of any environmental lien or AULs encumbering the property or in connection with the property, the user should communicate such information to the environmental professional.
- In a transaction involving the purchase of a parcel of commercial real estate, the user shall consider the relationship of the purchase price of the property to the fair market value of the property if the property was not affected by hazardous substances or petroleum products. The user should try to identify an explanation for a lower price which does not reasonably reflect fair market value if the property was not contaminated, and make a written record of such explanation.
- Commonly known or reasonably ascertainable information within the local community about the property must be taken into account by the user. If the user is aware of any commonly known or reasonably ascertainable information within the local community about the property that is material to recognized environmental conditions in connection with the property, the user should communicate such information to the environmental professional.
- The user must consider the degree of obviousness of the presence or likely presence of releases or threatened releases at the property and the ability to detect releases or threatened releases by appropriate investigation.

1.5 Significant Assumptions

Significant assumptions made in the performance of this Phase I ESA are as follows:

- Groundwater flow approximately mimics major topographic gradients (unless otherwise determined through available technical reports).
- Representations made during interviews and on owner and user provided documents are accurate.

1.6 Special Terms and Conditions

No other special terms and conditions beyond the ASTM E1527-13 scope of work have been included in this ESA.

1.7 Limitations and Exceptions of Assessment

The performance of this Phase I ESA is consistent with ASTM Standard E1527-13 and is intended to reduce, but not eliminate, such uncertainty regarding the potential for RECs in connection with a property, and this practice recognizes reasonable limits of time and cost. The information presented in this report is limited to the investigation conducted and described herein, and is not necessarily all inclusive of conditions present at the SP.

This practice does not address whether requirements, in addition to all appropriate inquiry (AAI), have been met in order to qualify for the landowner liability protections (LLPs), including “the continuing obligation not to impede the integrity and effectiveness of activity and use limitations (AULs), or the duty to take reasonable steps to prevent releases, or the duty to comply with legally required release reporting operations.” Failure to meet continuing obligations may forfeit CERCLA liability protection.

1.8 Deviations

There were no deviations from the ASTM E1527-13 process.

1.9 User Reliance

This report is intended for the sole and exclusive use of JW Congregation Support, Inc., and may not be used or relied upon by others unless specified in writing. The findings of the report are limited to those specifically expressed in the report.

This Phase I ESA report is considered valid only under the conditions specified according to ASTM E1527-13. Specifically, this report may only be valid for the protections sought under this standard for a period not greater than 180 days from issuance.

2.0 SITE DESCRIPTION

2.1 Site Location and Total Site Area

The SP considered in this Phase I Environmental Site Assessment is a 6.8-acre land parcel in the Town of Newburgh, Orange County, NY, and is known as 33 Old Little Britain Road.

A figure illustrating the site locations is provided as Figure 1, a site plan map showing the layout of the parcels is provided as Figure 2, a tax map section showing the site parcel is provided as Figure 3, Satellite Images as Figures 4a and 4b, and a site survey map is provided as Figure 5.

2.2 Current Site Uses/Operations

This parcel is currently unoccupied, containing a single 2-story brick residential house. The house is, and has been vacant for many years and portions of the roof and inside floors have collapsed making it unsafe to enter. The remainder of the property is vacant wooded land.

2.3 General Site Configuration

This parcel is improved with a degraded paved driveway accessing the center of the property from Old Little Britain Road to a house near the northern central area of the parcel. The remainder of the property is wooded land, covered in many areas with emergent brush where trees are not present. The property is defined on the east, south and west sides with stone walls at the boundaries and Old Little Britain Road along the northern side.

2.3.1 Roadways On or Adjoining the Site

This parcel is accessed with a degraded paved/gravel surfaced driveway accessing the center of the property from Old Little Britain Road. No other roadways are present on the SP.

2.3.2 Easements and Right of Ways

No easements or right of ways are noted on the property survey map.

2.4 Structures

The SP contained one degraded and vacant 2-story residential house at the time of this ESA. The house was uninhabitable with the roof having partially collapsed and the floors having collapsed into the basement. The date of construction for this house is listed as 1900 in the on-line Orange County GIS database and the house is described as a 1,728 sf house with 720 sf of area on the first and second floors, a full basement and a 132 sf covered porch. An old wooden shed in very poor condition was present to the southwest of the house. A concrete foundation of a former shed structure was present to the southeast of the house and a shallow dug stone lined well was present to the south of the house. A small (approximately 4-foot square) concrete block "vault" or foundation structure is present approximately 150 feet east of the house in a wooded area, the historic use of this structure is unknown, but may be a second shallow dug well for the existing house or a well for other structures formerly present in the south central area of the site. This was not confirmed.

No other structures were observed on the SP at the time of the ESA.

2.4.2 Heating/Cooling Systems

No active heating or cooling systems were present in the SP house. Evidence of an oil tank in the house basement and heating registers visible on interior walls from the exterior of the house suggests that the house is likely to have been formerly heated with an oil fired heating system, most likely having a boiler in the basement.

2.5 Site Utilities

2.5.1 Potable Water

Potable water is not currently utilized on the SP. A shallow hand dug, stone lined well is present to the south of the house and is likely to have been the water source for the house. The site survey indicates the presence of a municipal water line in Old Little Britain Road, but no indication that it is or was provided to the SP structure.

2.5.2 Sanitary Sewage Disposal Systems

Information on how the site house disposed of sanitary sewage, when it was occupied, is unknown. It is assumed that a septic system may have been utilized on the SP, but not confirmed.

2.5.3 Storm Sewer Disposal

Stormwater on the SP appears to discharge via overland flow, to off-site lower-lying areas. The site topography is highest near the center of the SP, south of the SP structure, and slopes downward to the north, east and west. Storm drainage basins are present in Old Little Britain Road to the north of the site.

2.5.4 Electricity

Electrical service to properties in the area of the SP are provided by Central Hudson Gas & Electric. No electricity is currently utilized on the SP.

2.5.5 Natural Gas

Natural gas service is not currently utilized on the SP.

2.6 Topographic Description

The SP is a 6.8-acre land parcel along the south side of Old Little Britain Road, in the Town of Newburgh, NY. The site topography is gradually to moderately sloping from a high elevation of 319 feet above mean sea level (MSL) in the south central area of the property, sloping downward to the north, northeast and west with a moderate northward decline in elevation along the eastern side of the property.

2.7 Site Soils and Geology

The site geology is mapped by the USGS as Stockbridge silt-loam with soils described as having slow infiltration rates impeding downward drainage.

Bedrock is not exposed at the site or in the areas immediately surrounding the site and is mapped as being greater than 60-inches below grade. Medium to large boulders were observed at the surface and stone walls surrounding the property suggest that boulders and cobbles are persistent in the shallow site strata.

2.8 Site Hydrology and Hydrogeology

No surface water bodies were observed on the SP. Surface water drainage on the SP is directed via sheet overland flow to the northeast and west of the SP. Based on area drainage contours, regional groundwater flow is expected to be westward from the SP toward the nearby Lake Washington drainage basin.

2.9 Surrounding Land Uses

The surrounding land uses, as identified during the site visit and from other available sources, are summarized in the table below.

Direction	Adjoining	Surrounding/Nearby
North	- Old Little Britain Road adjoins the north side of the property. Across Old Little Britain Road is Moulton Memorial Baptist Church and a residential home property.	- Residential neighborhood properties are present further north.
East	- The Kingdom Hall of Jehovah's Witnesses lies to the east of the SP.	- Further east are residential neighborhood properties. The Newburgh Water Department lies southeast along Little Britain Road.
South	- South of the property is a Central Hudson Gas & Electric property that appears to be a service center for this electric and gas company.	- Commercial and industrial businesses lie along Little Britain Road and residential neighborhoods lie further south.
West	- A vacant land commercial property owned by St. Michaels Center for Education adjoins the west side of the SP.	- A Knights of Columbus Hall is present and additional commercial properties are present further west along Old Little Britain Road. Washington Lake lies to the west and southwest of these properties.

3.0 USER PROVIDED INFORMATION

Alpine is providing this report on behalf of JW Congregation Support, Inc., and they provided user knowledge information through an ASTM User Questionnaire.

3.1 Title records

The SP at the time of the Phase I ESA, is identified as being owned by Woodland Views Corporation. A property Deed was not reviewed for this ESA. On-line county tax database information indicates that the property was owned by George Strader as a single family residence until February of 2018 when it was purchased by Woodland Views Corporation.

3.2 Environmental Liens or Activity and Use Limitations (AULs)

The ESA user and site owner did not indicate awareness of environmental cleanup liens against the property. None were identified during the course of the ESA data research.

The ESA user did not indicate awareness of AULs, such as engineering controls, land use restrictions, or institutional controls that are in place at the site and/or have been filed or recorded in a registry under federal, tribal, state, or local law. None were identified during the course of the ESA data research.

3.3 Specialized Knowledge

No specialized knowledge of the property relative to environmental conditions past or present was reported.

3.4 Commonly Known or Reasonably Ascertainable Information

The ESA user reported no knowledge of the property relative to environmental conditions past or present and no common knowledge of site environmental conditions or issues were identified as a function of this ESA.

3.5 Valuation Reduction for Environmental Issues

The User considers the current property value to be a reasonable reflection of the property's fair market value given the current site uses, conditions and current economy.

3.6 Reason for Performing the Phase I ESA

The User has indicated that their purpose for this Phase I ESA is to provide an assessment of site environmental conditions for a proposed purchase and development of the site.

3.7 User Specialized Knowledge

The user reported no specialized knowledge of the property relating to environmental conditions.

4.0 SITE AND SURROUNDING AREA HISTORICAL REVIEW

4.1 Summary

4.1.1 Subject Property

The SP appears to have been a residential property or farmland prior to 1900 with the existing house listed as having been constructed in 1900. Aerial photography in 1940/1942 indicates the presence of a second house or a barn in the center of the property, to the south/southeast of the existing house and a smaller shed building southwest of the existing house. The southern house or barn is no longer present in the 1962 aerial photograph and two out buildings (sheds or garages) are present south of the existing house. From 1940 through the 1970's the property is mostly cleared land that is either grass surfaced or farmed land.

4.1.2 Adjoining/Surrounding Property

Adjoining properties include a vacant commercial use property to the west, a Central Hudson Gas & Electric Company Service Center property to the south and a Jehovah's Witnesses Kingdom Hall property to the east. The SP is located in a mixed use commercial and residential area of the Town of Newburgh. The surrounding properties are commercial in use to the south and west with residential neighborhoods further to the north, east and south. Route 300 to the west and Route 207 to the east and south are primarily developed with commercial use businesses and services.

4.2 City Directory Search

City directories were reviewed as part of this assessment from 1961-2014. According to city directory summary provided by EDR, the SP identified as 33 Old Little Britain Road was not specifically identified for 1992 through 2017. Prior to 2017, residential listings are identified for Old Little Britain Road, but not at numbered addresses. It is possible that the property address may have changed in these years but this was not confirmed.

Copies of the city directory listings provided through the search are provided in Appendix H of this report.

4.3 Sanborn Fire Insurance Maps

EDR Inc., owner of the historic Sanborn Fire Insurance Map collection, was contacted to provide Sanborn Fire Insurance Maps as part of this Phase I ESA. EDR indicated that no site area mapping coverage is available for the SP. A copy of the mapping search results for the property provided by EDR is included in Appendix C.

4.4 Aerial Photographs

Aerial photographs for the SP and surrounding area for the years 1940 - 2017 were available from EDR and were reviewed as part of this Phase I ESA. In addition, imagery from Google and Bing databases were observed on-line. The following was observed on the reviewed aerial photographs.

The SP appears to have been a residential property or farmland from 1900 and earlier. Aerial photography in 1940/1942 indicates the presence of the existing house plus a second house or a

barn in the center of the property, to the south/southeast of the existing house and a smaller shed building southwest of the existing house. The southern house or barn is no longer present by 1962 and two out buildings (sheds or garages) are present south of the house. From 1940 through the 1970's the property is cleared land that is either grass surfaced or farmed land bounded by a stone wall. After the 1980's the land became more wooded to the point of being almost entirely forested land at the time of the site inspection.

Copies of historic aerial photographs are provided in Appendix D.

4.5 Historic Topographic Maps

Historic topographic maps for the SP and surrounding area for the years 1903 -2013 were available from EDR and were reviewed as part of this Phase I ESA. Details provided on the historic topographic maps identified the site as containing a small building along Old Little Britain Road, presumably the existing house. Surrounding lands are either undeveloped or identified with small buildings assumed to be houses and Washing Lake appears to the west of the SP throughout this timeframe. No mapped details that would indicate environmental concerns were noted on or adjacent to the SP.

Copies of historic topographic maps of the SP area are attached in Appendix E.

4.6 Municipal Records

4.6.1 City/Town FOIL

A FOIL request for site-specific file information was provided to the Town of Newburgh, NY for information that may be available for the SP through the general FOIL request process. The Town of Newburgh indicated that no records for the SP were available. Copies of the town response are provided in Appendix G.

4.6.2 County FOIL

A FOIL request for site-specific file information was provided to the Orange County Agencies for site information that may be available through the general FOIL request process. The County has indicated that no records for the SP were available.

4.6.3 New York State Department of Environmental Conservation

A FOIL request for specific file information for a spills that occurred adjacent to the SP and for properties identified as listed in NYSDEC Brownfields or Inactive Hazardous Waste Sites adjacent to or near the SP have been requested from the New York State Department of Environmental Conservation (NYSDEC) through a FOIL information request. The NYSDEC has not responded as of the date of this report. At the time of this report, government agencies have been largely restricted to work from home due to restrictions ordered by the NYS Governor in response to the Coronavirus Pandemic. It is presumed that FOIL responses are suspended or delayed at this time due to this condition.

Stated FOIL information will be provided and summarized as a supplement to this report, when provided, if the information indicates concerns relative to the potential for soil or groundwater quality impacts to or on the SP.

4.7 Owner, Operator and Occupant Interviews

4.7.1 Property Owner/Key Site Representative

Information for this site was gained through general research, FOIL requests and ASTM questionnaires from the report user and site owner representatives.

No specific information regarding the site was discovered relative to: 1) environmental liens or governmental notifications relating to past or recurrent violations or environmental laws with respect to the property or any facility located on the property; 2) information regarding past, threatened, or pending lawsuits or administrative proceedings concerning a release or threatened release of any hazardous substance or petroleum product.

4.7.2 Current Operators and/or Site Occupants

The SP at the time of the Phase I ESA, is vacant and is identified as being owned by Woodland Views Corporation.

4.7.3 Past Owners, Occupants, and Operators

ASTM E 1527-13 states that interviews be conducted with past owners, operators, and occupants who are likely to have material information regarding the potential for contamination at the property to the extent that 1) they have been identified and 2) the information likely to be obtained is not duplicative of information already obtained from other sources.

As of the completion of this Phase I ESA, past site owners were not identified as being available for interview.

4.8 Previous Environmental Investigations

No historic Environmental Site investigation reports were identified for this property.

5.0 ENVIRONMENTAL REGULATORY AGENCY RECORD REVIEW

The environmental regulatory agency record review consisted of database searches of ASTM standard sources (Section 5.1) as well as supplemental databases and interviews with regulatory agency personnel when appropriate. A copy of the database search conducted by EDR for Alpine is provided in Appendix B. For sites whose locations could not be mapped by EDR (i.e., “orphan sites”), Alpine attempted to locate these sites through the use of maps, site reconnaissance or other means; as appropriate, these sites are included in their respective regulatory agency record section.

Conflicting or supplemental information obtained during the site reconnaissance or from interviews or other sources is discussed when/if appropriate below.

5.1 Standard ASTM Environmental Record Sources

The United States Environmental Protection Agency (USEPA) and New York State Department of Environmental Conservation (NYSDEC) regulatory agency record sources listed below and their corresponding search distances were reviewed per ASTM E 1527-13. Results of the review are summarized below and additional information, where sites were identified, is provided in Appendix B of this report.

5.1.1 Federal

Federal NPL Site List (1.0 mile radius)

A review of the United States Environmental Protection Agency (USEPA) National Priorities List (NPL) for Region II has shown that the SP is not present on this list. The NPL list indicates that no NPL sites are present within a one-mile radius of the SP.

Federal Delisted NPL Site List (1.0 mile radius)

A review of the United States Environmental Protection Agency (USEPA) National Priorities List (NPL) for Region II has shown that the SP is not present on this list. The NPL list indicates that no Federal Delisted NPL sites are located within a one-mile radius of the SP.

Federal CERCLIS List (0.5 mile radius)

A review of the USEPA Comprehensive Environmental Response Compensation and Liability Information System (CERCLIS) list has shown that the SP is not present on this list. The CERCLIS list indicates that no CERCLIS sites are present within a one-half mile radius of the SP.

Federal CERCLIS NFRAP List (0.5 mile radius)

A review of the USEPA Comprehensive Environmental Response Compensation and Liability Information System (CERCLIS) NFRAP (No further remedial action planned) list has shown that the SP is not present on the list, and that no NFRAP CERCLIS listed sites are located within 0.5 miles of the SP.

Federal RCRA CORRACTS Facilities List (1.0 mile radius)

A listing of RCRA facilities under corrective action (CORRACTS) was reviewed and indicates that the SP is not a CORRACTS site and that one CORRACTS sites is listed as being present within 1.0 mile of the SP.

The Interlaken Inc. Newburgh Facility is located on Temple Hill Road and is reported to be approximately 0.92-miles south/southwest of the SP. This listing indicates the presence of a site that is identified as a furniture manufacturing facility with no specific environmental concerns noted.

Federal RCRA non-CORRACTS TSD Facilities Lists (0.5 mile radius)

The USEPA Federal RCRA non-CORRACTS TSD Facilities Lists was reviewed and indicates that the SP is not a RCRA non-CORRACTS TSD site and that there are no non-CORRACTS TSD sites listed as being present within 0.5 miles of the SP.

Federal RCRA Generators Lists (Property and adjoining)

The USEPA Resource Conservation and Recovery Act (RCRA) Hazardous Waste Generators list was reviewed and the SP is not listed as a RCRA Generator. One RCRA Generator is listed as adjoining the SP. The Central Hudson Gas & Electric Newburgh Division Office lies adjacent o to the south side of the SP and is identified as a facility that generated between 100 and 1,000 gallons of hazardous waste per month. Wastes generated/stored on this facility may include PCB's, ignitable wastes, lead or mercury containing wastes, benzene and 1,2-dichloroethane.

Federal Institutional Control/Engineering Control Registry (Property only)

The Federal Institutional Control/Engineering Control (IC/EC) Registry list was reviewed and the SP was not identified as an IC/EC site.

Federal ERNS List (Subject Property only)

The federal Emergency Response Notification System list was reviewed and the SP was not listed.

5.1.2 State

State Hazardous Waste Site List (1.0 Mile Radius)

The SP was not identified as a New York State Department of Environmental Conservation (NYSDEC) Inactive Hazardous Waste Disposal (IHWD) Site. There is one NYS listed Inactive Hazardous Waste Disposal Site listed as existing within the one mile search radius.

The Pratt Industries facility is located at 617 Little Britain Road and is reported to be approximately 0.15-miles south of the SP. The Pratt Industries facility has groundwater contamination groundwater in the vicinity of the SP on that property in the vicinity of the SP. As such, this listed site may affect groundwater quality in the vicinity of the SP. Municipal drinking water is available to the SP along Old Little Britain Road and as such, the SP does not have to rely on on-site groundwater for a potable water supply. No drilled/bedrock wells were observed on the SP.

State Landfill or Solid Waste Sites (SWL) (0.5 Mile Radius)

The SP was not identified as a New York State Department of Environmental Conservation Landfill or Solid Waste Site. No NYS listed Solid Waste Transfer of Handling Facilities were identified as being present within 0.5 miles of the SP.

State Leaking Underground Storage Tanks (LTANK) (0.5 Mile Radius)

The NYSDEC's Spills Information database was reviewed to obtain information on Leaking Underground Storage Tank (LTANK) events. LTANK events are a subset of events contained in the spills database where the release originated from an underground storage tank. This review indicates that seven (7) LTANK site are listed as being located within 0.5 miles of the SP with two of these being within 1/8-mile of the SP.

The Central Hudson Gas & Electric Facility lies adjacent to the south side of the SP. This property is identified as having had contaminated soil identified when an underground storage tank was removed from the property in 1994. The spill was subsequently closed, not meeting standards, in January of 1995.

A Cumberland Farms Gas Station is located to the south the SP at 602 Little Britain Road, approximately 0.1-miles south of the SP. This property is identified as having had contaminated soil identified when an underground storage tank was removed from the property in September of 2000. The spill was subsequently closed, not meeting standards, in April of 2005.

Additional information regarding these two spills has been requested from NYSDEC through FOIL, and this request for information is pending a response from NYSDEC as of the date of this report.

State Spills List (0.5 mile radius)

The NYSDEC spills database was reviewed and the SP was identified as a property with no listed spill incidents. Seven spill sites were located off of the SP and within 0.125 miles of the SP. Based on the regulatory status, size and descriptions of five of these off-site spills and perceived groundwater flow in the site area, there is no indication that these five off-site spills would be expected to impact soil or groundwater quality conditions on the SP.

Additional information has been requested from the NYSDEC regarding two additional spills at the Central Hudson Gas & Electric Facility and a Cumberland Farms Gasoline Station, both south of the SP. At the time of this report, the NYSDEC has not responded to this requested for information through the FOIL process.

Additional information on these area spills and other spills located beyond 0.125-miles from the SP is contained within the EDR Database Report in Appendix B of this report.

State Registered Storage Tanks (property and adjoining)

The SP is not identified as a registered storage tank facility.

The Central Hudson Gas & Electric Facility, adjacent to the south side of the SP, is identified as a site having registered storage tanks. Additional information has been requested from the NYSDEC regarding storage tanks and spills at this facility. At the time of this report, the NYSDEC has not responded to this requested for information through the FOIL process

State Institutional Control/Engineering Control Registry (Property only)

The SP was not identified on the state institutional control/engineering control registry.

State and Tribal Brownfields and Voluntary Cleanup Sites (0.5 Mile Radius)

The SP was not identified on the NYSDEC's voluntary cleanup or brownfields cleanup site database as a registered cleanup site. No NYS Brownfields or Voluntary Cleanup Sites are listed as being present within 0.5 miles of the SP.

6.0 SITE VISIT

6.1 Conditions of Visit

6.1.1 Site Contact(s)

The site owner provided access for the site visit through project contacts at GPI Engineering.

6.1.2 Date of Visit

Kim Baines of Alpine performed the site visit on March 10, 2020. At the time of the site visit, the skies were somewhat overcast with light rain and an ambient air temperature of approximately 50°F.

6.1.3 Areas Observed

The SP was walked/traversed throughout the open central area and around the perimeter of the site. The site building adjacent properties were observed from the site and from surrounding public streets.

The SP contains one degraded and vacant 2-story residential house. The house was uninhabitable with the roof having partially collapsed and the floors having collapsed into the basement. The exterior of this building was observed and the interior was observed through a window opening on the southern side. The building was not entered as it was determined to be unsafe to enter.

6.2 Chemical and Petroleum Substances

6.2.1 Petroleum and Chemical Bulk Storage

A fill and vent pipe for a storage tank was identified along the east side of the house building, near the northeast corner of the building. Based on the location of the fill and vent piping, it is assumed that these pipes extend to a tank that either is, or was, in the basement of the building. The basement was not visible and could not be entered to verify this due to the presence of debris present where the building floors had collapsed into the basement. A picture of the fill and vent piping is provided in Appendix A.

The site is not identified as a New York State Department of Environmental Conservation (NYSDEC) registered petroleum bulk storage (PBS) facility.

6.2.2 Raw Product Drums and Containers

No raw product drums or containers were observed at the SP during the site visit.

6.3 Site Waste Profile

6.3.1 Solid Wastes

No obvious evidence of surface waste or deposition of solid wastes or waste containers were noted on the SP at the time of the site visit.

6.3.2 Sludges

No sludge material/waste was observed on the SP at the time of the site visit.

6.3.3 Liquids

No obvious waste liquids were observed on the SP at the time of the site visit.

6.3.4 Waste Drums and Containers

A single heavily rusted 55-gallon metal drum was observed along the southern site boundary. The drum was between the site stone wall and an adjacent chain link fence on the adjacent Central Hudson Gas & Electric property. It was not clear if this drum lies on, or adjacent to, the SP. The drum appeared to be very old and appeared, based on sounding, to be empty. No evidence of liquid discharge was evident on the ground surface adjacent to the drum and no chemical odors were evident. No other waste drums or other waste liquids containers were observed on the SP.

6.3.5 Wastewater Discharges

No evidence of wastewater related leaks, spills or other discharges were identified on the SP.

6.3.6 Pits, Ponds or Lagoons

No pits, ponds, or lagoons associated with waste treatment or disposal were identified on the SP.

6.4 Site Drainage

6.4.1 Catch Basins

No stormwater management catch basin drainage structures were identified on the SP.

6.4.2 Building Floor Drains

No floor drains were observed in the SP building. This building was determined to be unsafe for entry during the site visit.

6.4.3 Dry Wells and Sumps

No drywells or sumps were identified in the SP building. This building was determined to be unsafe for entry during the site visit.

6.5 PCB-Containing Equipment

No oil-filled transformers labeled as PCB containing or other obvious PCB containing equipment was observed on the SP.

6.6 Asbestos-Containing Material

The site house building was determined to be unsafe for entry during the site visit. Indirect observation from the exterior of the house and the age of the building suggests some potential for asbestos to be present in building materials including roofing, floor tile, plasters and other

building materials. An asbestos containing materials survey was not conducted by Alpine for this Phase I ESA.

6.7 Lead-Based Paint

Based on the age of the SP building, it is assumed that painted surfaces in and on the SP building could contain lead based paint. A lead based paint survey was not conducted by Alpine for this Phase I ESA.

6.8 Radon

Based on the USEPA Radon Screening results for the SP area, the SP is in a Zone 1 Area where 73% of the property basements screened were less than 4 Pico curies / Liter of air (pCi/L) and 28% of the basements screened were above 4 pCi/L. The EPA Action level for radon is 4.0 pCi/L, suggesting that structures in the SP area may exceed the EPA action level for radon mitigation.

7.0 EVIDENCE OF POTENTIAL/KNOWN SITE CONTAMINATION

7.1 Soil or Surface Contamination

No direct evidence of soil or surface contamination (e.g., stained soil, stained pavement or areas of corrosion) was observed on the SP during the Phase I ESA site visit.

7.2 Liquid Contamination

No visual evidence of contaminated liquid discharges or contamination of surface water bodies was observed on the SP or on adjacent properties, as observed from the site, during the site visit.

7.3 Vapor Contamination

A tier 1 vapor encroachment screen was performed in accordance with ASTM E2600-10. This screen applied common subsurface contaminant plume data and assumed groundwater flow direction to historic spills or releases along with generalizations about potential subsurface vapor migration distances, to identify sites that are likely to pose a vapor migration threat to the subject site property.

Evaluation of the data on site area spills provided in Section 5.1, with the assumptions and generalizations outlined above, revealed some potential for vapor encroachment from identified area spills/releases, based on the data currently available and the separating distance from nearby chemical spills. Only vapor testing on the SP could determine if area spills have caused vapor encroachment impacts to the SP. Based on the information provided to Alpine and locations of the listed site(s) to the SP, potential vapor encroachment to the SP cannot be ruled out.

7.4 Soil or Surface Disturbances

The SP is mostly vacant wooded land. Disturbances were observed in locations on the property where test pits had been recently dug and perk testing wells had been installed for an engineering evaluation of site drainage conditions. No other surface disturbances were observed..

7.5 Stressed Vegetation

No stressed vegetation areas were identified on the SP during the site visit.

7.6 Waste Deposits

In the southwest corner of the property, two conditions were observed where surface disturbances and deposition have occurred in the past.

1. Adjacent to the southwest corner of the property, the Central Hudson Gas & Electric Facility placed structural fill material and constructed two stone and gravel materials storage buildings. Based on satellite imagery reviewed, the filling occurred in 2006 – 2009 and the buildings were constructed in 2009. Based on the imagery, it appears that some of the clearing and filling for these buildings may have encroached onto the SP. Imagery of this filling and construction is provided as figures 4a and 4b.

2. Filling has occurred adjacent to the SP in the southwest corner on the adjacent property identified as tax parcel 97-3-12, reportedly owned by St. Michaels Center. It appears that construction/demolition waste along with brush and other materials have been filled in a low lying area of this property, adjacent to the SP stone wall boundary. The quality and full content of this material is unknown. Pictures of this filling are provided in Appendix A of this report.

No other evidence of waste deposits (e.g., piles, pits, landfills, lagoons) indicative of contaminated material deposition were observed directly on or adjacent to the SP during the site visit.

7.7 Odors

No petroleum or chemical odors were identified on site ground surfaces, in site surface water, in site subsurface structures, based on olfactory observation.

8.0 REPORT FINDINGS, OPINIONS AND CONCLUSIONS

Alpine Environmental Services, Inc. has completed a Phase I Environmental Site Assessment ("Phase I ESA") in conformance with the scope and limitations of ASTM Practice E 1527-13 on the Subject Property (SP). The SP considered in this Phase I ESA is a 6.8-acre land parcel along the south side of Old Little Britain Road, with access to the site via a degraded asphalt/gravel driveway from Old Little Britain Road. A single tax parcel that is the entire site is identified on Orange County Tax Mapping as parcel 97-3-13.

The SP appears to have been utilized as a residential property or farmland from 1900 or earlier, with the existing house listed as having been constructed in 1900. Aerial photography in 1940/1942 indicates the presence of a second house or a barn that was present in the center of the property, to the south/southeast of the existing house and a smaller shed building southwest of the existing house. The southern house or barn was no longer present by 1962 and two out buildings (sheds or garages) were present south of the existing house at that time. From 1940 through the 1970's the property was mostly cleared land that was either grass surfaced or farmed land.

This assessment was comprised of a site reconnaissance, interviews with individuals knowledgeable of the property, and a regulatory and historical information review. Any exceptions to, or deletions from, this practice are described in Section 1.0 of this report.

Provided below is a summary of the findings identified as a result of this ESA. This summary provides our opinions as to the potential impact of these findings to the site based on the Phase I ESA process. These findings are grouped into recognized environmental conditions & de minimis conditions, data gaps, and non ASTM conditions.

8.1 Recognized Environmental Conditions & De Minimis Conditions

8.1.1 This assessment has revealed evidence of recognized environmental conditions (RECs) in connection with the Subject Property as follows:

Vent and fill pipes are present on the east side of the property and appear to be associated with a heating oil tank that either is, or was, present in the basement of the SP structure. The floors above the basement had collapsed into the basement inhibiting any observation of this basement area during the site visit. If this tank is still present or was present and leaked petroleum within the basement, or still contains petroleum, it may be associated with a petroleum spill in this basement. If the tank is still present it must be properly cleaned and closed to prevent any future spill. If the tank leaked petroleum, a spill requiring remedial actions may have occurred and may have to be investigated to determine if soil and groundwater quality have been impacted.

8.1.2 A "de minimis condition" is a condition that generally does not present a threat to human health or the *environment* and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies. Conditions determined to be *de minimis conditions* are not *recognized environmental conditions* nor *controlled recognized environmental conditions*. This assessment has revealed no evidence of de minimis conditions in connection with the Subject Property.

8.2 Data Gaps

At the time of this report, government agencies have been largely ordered to work from home due to restrictions ordered by the NYS Governor in response to the Corona Virus

Pandemic. It is presumed that FOIL responses from government agencies are suspended or delayed at this time due to this condition. No other data gaps were identified during this Phase I ESA.

8.3 NON ASTM Environmental Conditions

Filling has occurred on the adjacent Central Hudson Gas & Electric Facility to construct sand, stone and gravel storage buildings. Historic imagery suggests that this filling may have encroached onto this corner of the SP. There is no information that would suggest that this filling resulted in the placement of impacted soil, but this study did not include an assessment of the CHG&E Facility and so the quality of fill placed on the SP is unknown.

Filling has occurred on the westerly adjacent property. This filling appears to have included the placement of Concrete, wood and other construction/demolition debris and may include other materials not visible from the SP. This property appears to be topographically downgradient of the SP and so the risk of impacts to site soil and groundwater quality is expected to be unlikely, but the content of the fill is unknown and so the risk for impacts to the site is undefined.

The SP is in an area where radon levels within structures may exceed the EPA action level for radon mitigation.

Based on the age of the site house building, it may contain lead and/or asbestos. The building was unsafe for entry and so direct observation of interior building materials was not possible. Determination of the presence or absence of asbestos building materials should be determined before demolition or renovation of this building.

8.4 Conclusions

Alpine Environmental Services, Inc. has performed a Phase I Environmental Site Assessment for the SP in conformance with the scope and limitations of ASTM Practice E 1527-13. This assessment has revealed evidence of recognized environmental conditions (REC's) that must be further evaluated to determine the risks of liability to a purchaser of this property.

9.0 SIGNATURE(S) OF ENVIRONMENTAL PROFESSIONAL(S)

I declare that, to the best of my professional knowledge and belief, I meet the definition of an Environmental Professional as defined in Section 312.10 of 40 CFR 312.

I have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the site. I have developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.



Kim L. Baines, LEP
Environmental Professional

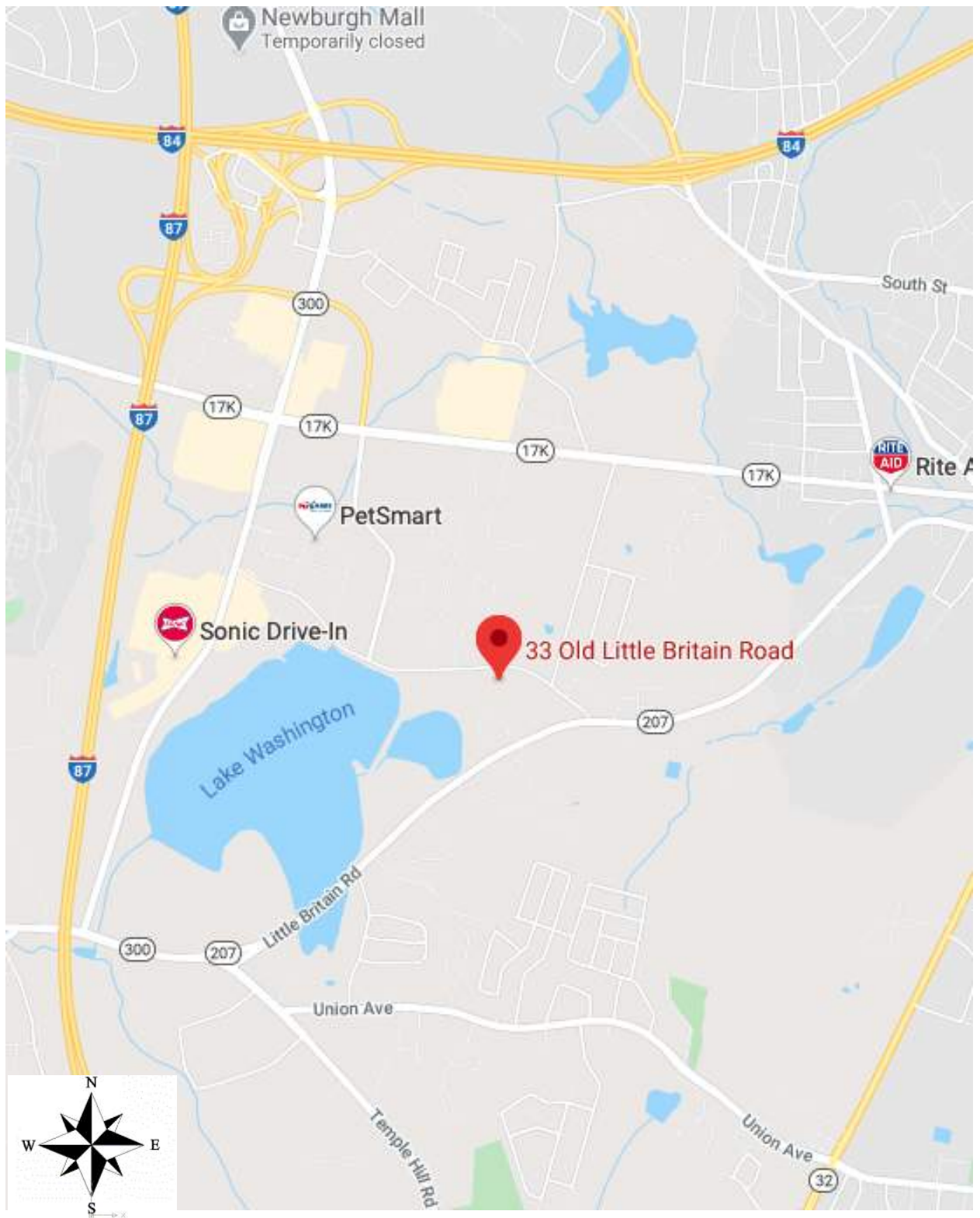
LIST OF PEOPLE AND AGENCIES CONTACTED

1. Mr. John Montagne, GPI Engineering, Albany, NY (Report User representative contact)
2. New York State Department of Environmental Conservation, Central and Region 3
Offices
3. Orange County Municipal FOIL Request
4. Town of Newburgh, NY – Municipal FOIL Request

DOCUMENTS REVIEWED

1. Environmental Data Resources, Inc. ASTM Environmental Database Report
2. Historic Topographic Maps of the site area – EDR, Inc.
3. Historic Summary of Site Area City Directories – EDR Inc.
4. Aerial Photographs provided by Environmental Data Resources, Inc.
5. Digital satellite ortho-photograph provided by Google Maps and Bing Mapping.
6. Fire Insurance Maps from the Sanborn Map Company Archives. Late 19th Century to most current available: provided by Environmental Data Resources, Inc.
7. New York State Museum and Science Service Geologic Map of New York State
8. New York State Museum and Science Service Surficial Geologic Mapping of New York State.
9. United States Geological Survey Topographic Mapping
10. Site Land Survey Drawing - GPI Engineering, March 12,2020
11. Orange County GIS Information System – Image Mate Online

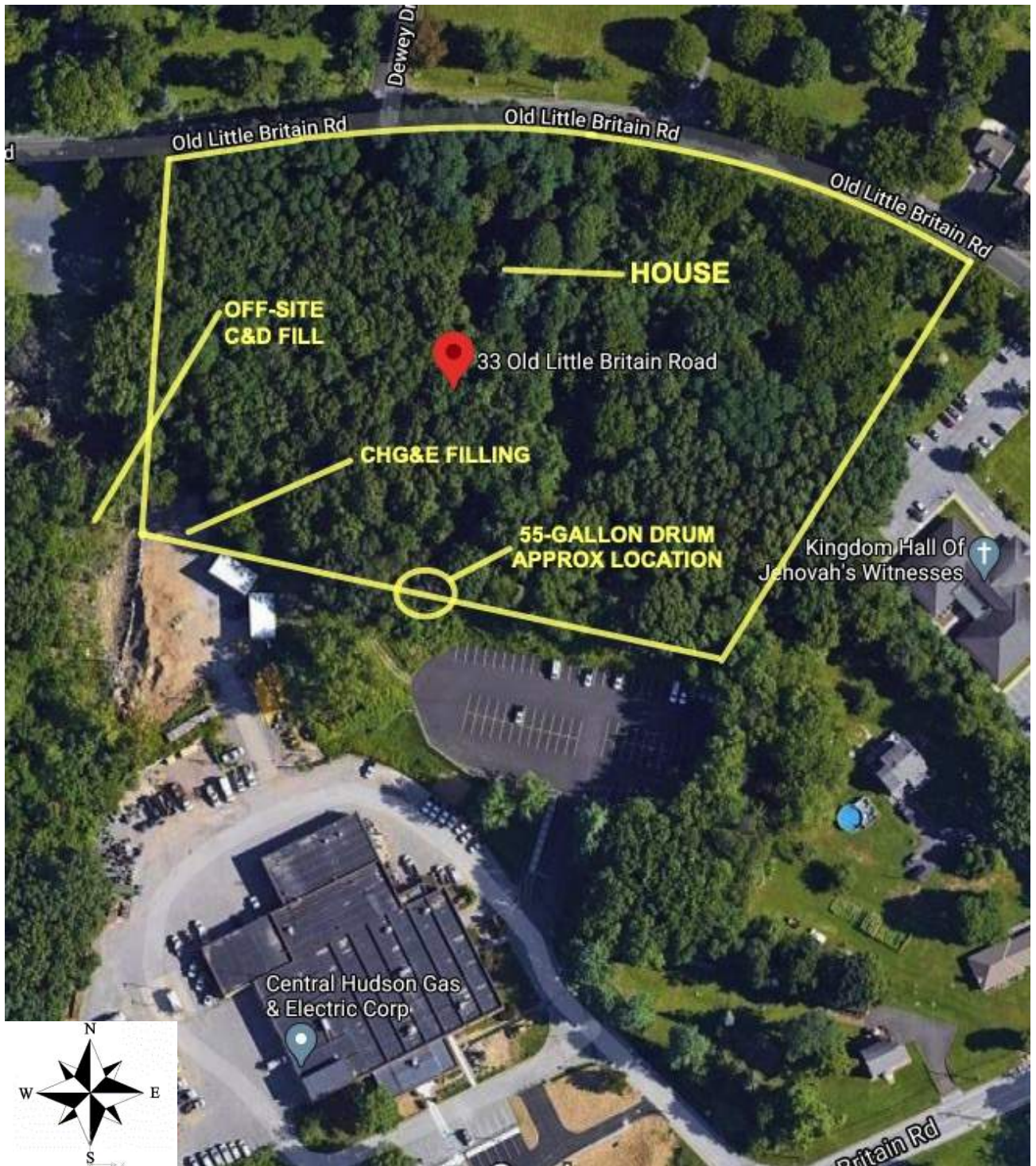
FIGURES



Project: 33 Old Little Britain Road, Newburgh,
NY - Phase I ESA
DRAWING DATE: March, 2020
Project Number: 20-25458-E

FIGURE – 1 SITE LOCATION





Project: 33 Old Little Britain Road, Newburgh,
NY - Phase I ESA
DRAWING DATE: March, 2020
Project Number: 20-25458-E

FIGURE – 2 SITE PLAN





FIGURE – 3 Tax MAP

Project: 33 Old Little Britain Road, Newburgh,
 NY - Phase I ESA
DRAWING DATE: March, 2020
Project Number: 20-25458-E





FIGURE – 4a Site Satellite Imagery 2006

Project: 33 Old Little Britain Road, Newburgh, NY - Phase I ESA
DRAWING DATE: March, 2020
Project Number: 20-25458-E



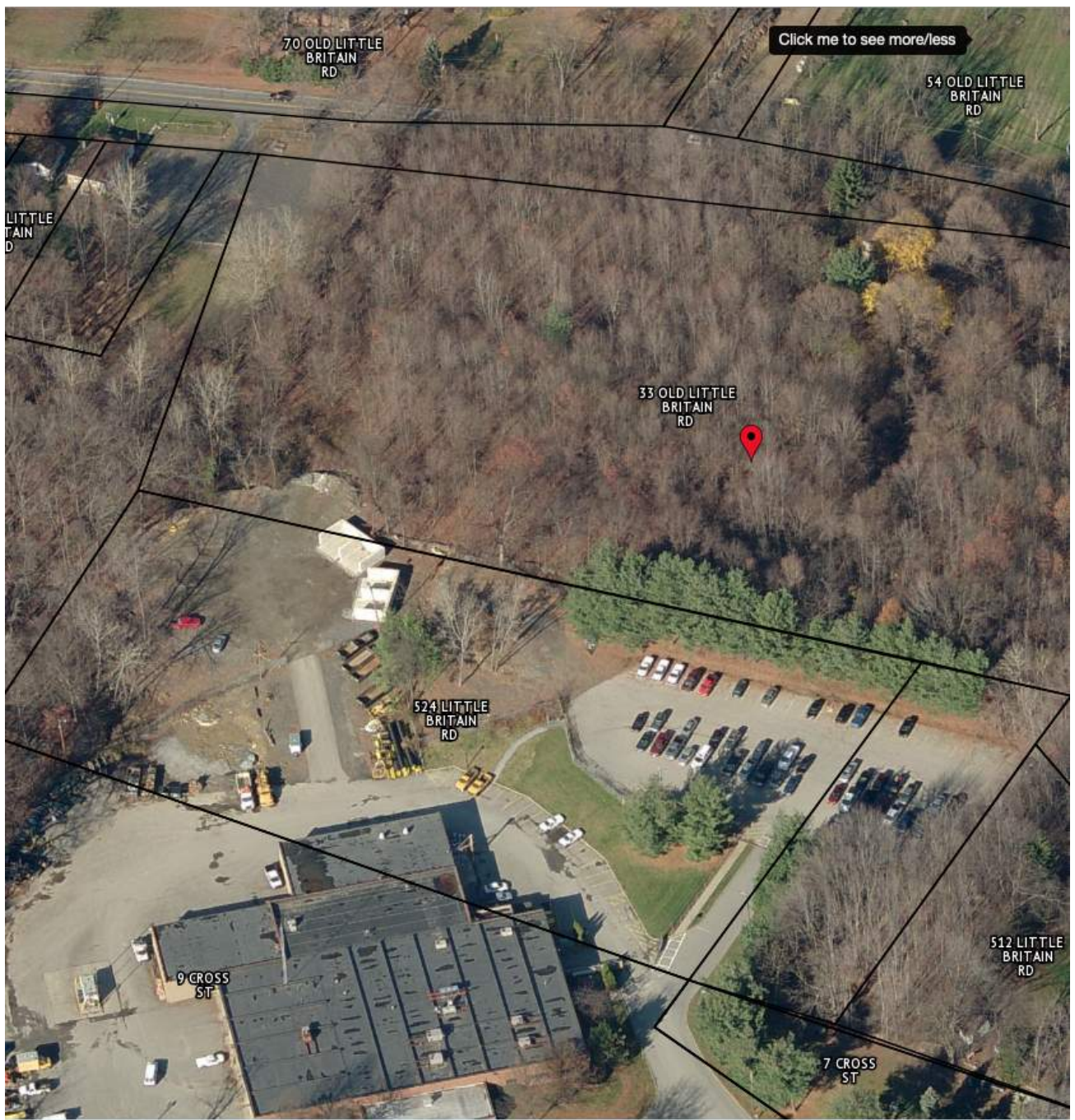


FIGURE – 4b Site Satellite Imagery 2006

Project: 33 Old Little Britain Road, Newburgh, NY - Phase I ESA
DRAWING DATE: March, 2020
Project Number: 20-25458-E

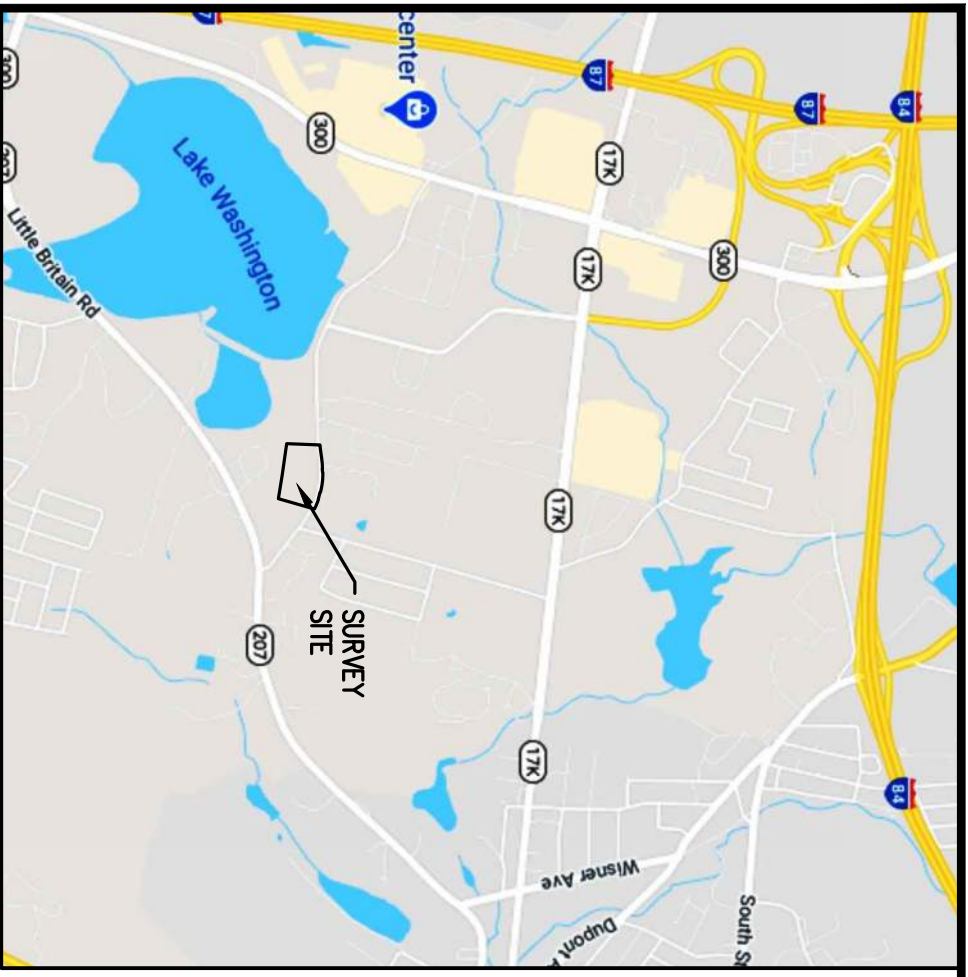


SITE SURVEY MAP - ATTACHED

FIGURE – 5 Site Survey Map

Project: 33 Old Little Britain Road, Newburgh,
NY - Phase I ESA
DRAWING DATE: March, 2020
Project Number: 20-25458-E





LOCATION MAP

- GENERAL NOTES:**
- (1) The source of title in and to 33 Old Little Britain Road (as of the date of this map) is vested in: Woodland Views Corp., as set forth in a deed dated February 20, 2018 from the County of Orange and State of New York to Woodland Views Corp., as recorded in the Orange County Clerk's Office on February 23, 2018 in Liber 14389 of 1494, and is known as "A" Parcel No. (S.B.L.) 97-3-13.
 - (2) The field survey for the property shown hereon was completed using traditional methods, electronic total station instruments and global positioning system technology. The field survey was completed on February 27, 2020.
 - (3) The boundary line dimensions shown hereon form a mathematically closed figure within 1:01 foot.
 - (4) This survey is prepared with the benefit of review of Title No.: 3020-988636, issued by First American Title Insurance Company, having an effective date of October 1, 2019.
 - (5) Access to the Subject Property is located along Old Little Britain Road.
 - (6) Without expressing a legal opinion as to the ownership or nature of a potential encroachment or encumbrance, to the best of the undersigned's knowledge all observed encroachments (if any) are graphically depicted hereon.
 - (7) All observed encroachments or as listed in Title No.: 3020-988636 are either addressed as a text comment in Title Exceptions (below) and / or are graphically depicted hereon.
- ALTA / NSPS TABLE "A" NOTES**
1. Survey markers either found or set are denoted hereon.
 2. The Property's assigned street address is: 33 Old Little Britain Road, Newburgh, New York, 12550.
 3. The total area of the Property measured to the existing centerline of improvement of Old Little Britain Road is: 77777 acres, more or less.
 4. Topographical features and contours hereon are graphically depicted hereon using the methods described in General Note 2. All elevations are tied to the North American Vertical Datum of 1988 (NAVD 88).
 5. Exterior dimensions of buildings at ground level: shown.
 6. Substantial features observed in the process of conducting the field survey are graphically depicted hereon.
 7. Utilities shown hereon are plotted from records and / or from observed field evidence, of which were measured during the field survey.
 8. Norms of adjoining property owners according to current tax records: shown.
 9. Proposed changes in street right of way lines: no information was made available to the undersigned. Evidence of recent street or sidewalk construction or repairs observed in the process of conducting the field survey: none observed.
 10. Plotable offsite easements or servitudes: none observed.
 11. Plotable offsite easements or servitudes: none observed.

ALTA / NSPS TABLE "A" NOTES:

Items hereinafter referenced refer to Items in Schedule "B-1" (Exceptions) in Title No.: 3020-988636 referenced in General Note 4:

Items 1 - 5: Each are not a survey marker.

Schedule "A" Description

ALL THAT CERTAIN LOT, PIECE OR PARCEL OF LAND SITUATE, lying and being in the Town of Newburgh, County of Orange and State of New York, bounded and described as follows:

Beginning of a point in the center of the Old Little Britain Road leading from the present Little Britain Road to Union Avenue said point of beginning being the northwest corner of lot of M. and J. Flanagan, said corner:

thence along the lands of said Flanagan, being along a stone wall, South 29° 29' West 429.65 feet to the corner of a stone wall;

thence along lands of deceased Frederick D. Colyer, being along a stone wall, North 67° 48' West 254.4 feet to an angle in said wall;

thence still along lands of said Colyer, being along a stone wall, North 68° 53' West 360.9 feet to the junction of two stone walls in the easterly line of lands of Homer R. Williams;

thence along lands of said Williams, being along a stone wall, North 15° 03' East 379.1 feet to the center of depressed Old Little Britain Road;

thence along the center of said road the following courses and distances:

South 81° 48' East 41 feet

South 87° 13' East 138 feet

South 77° 37' East 115 feet

South 71° 12'; East 232 feet

South 61° 11' East 100.75 feet

South 57° 25' East 113.8 feet to the place of beginning.

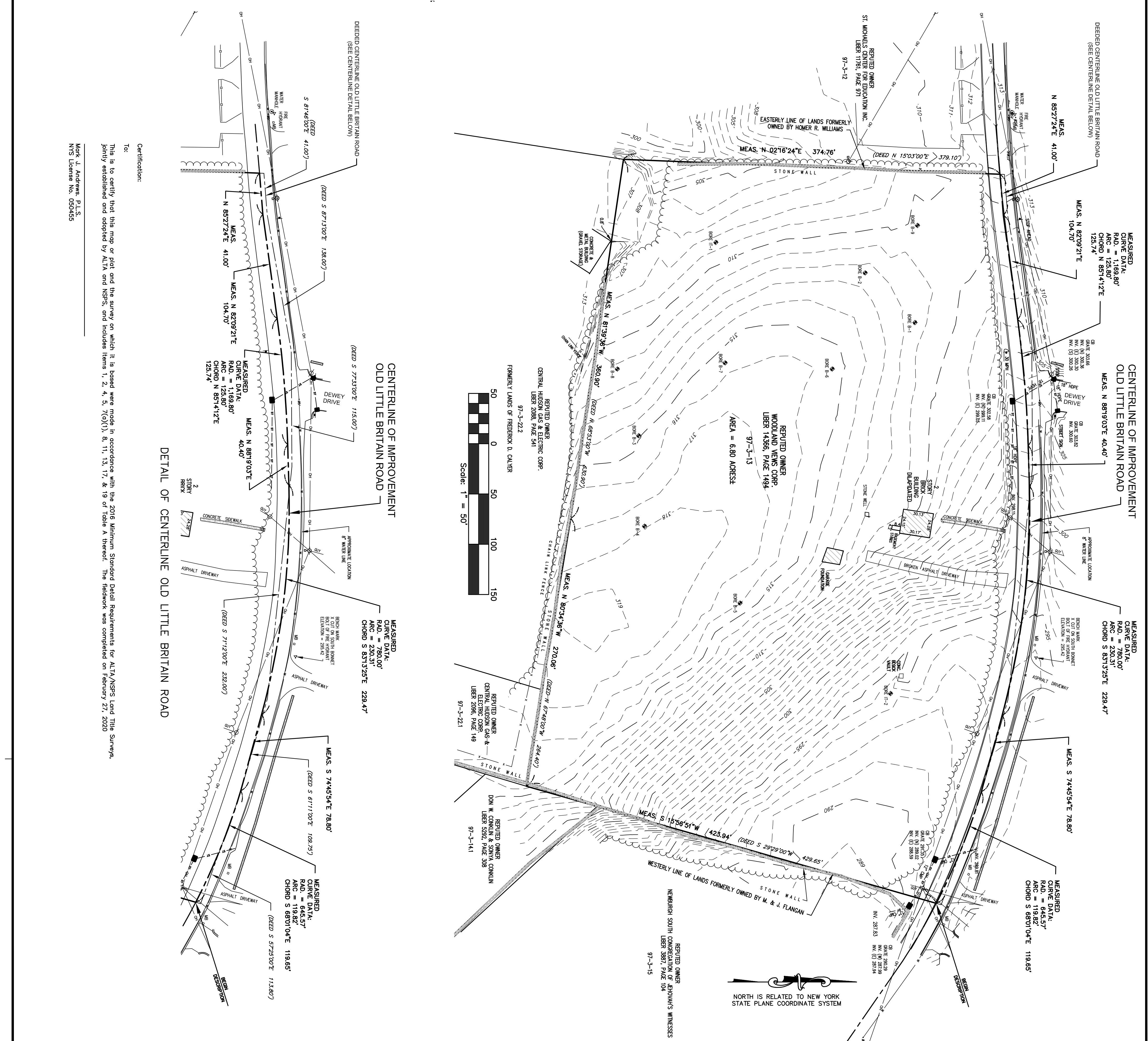
TOGETHER with all the right, title and interest of the party of the first part, of in and to the land lying in the street in front of the adjoining said premises.

Surveyors Description Tax Parcel 97-3-13

ALL THAT CERTAIN LOT, PIECE OR PARCEL OF LAND, situate, lying and being in the Town of Newburgh, County of Orange and State of New York and being more particularly bounded and described as follows:

BEGINNING of a point on the existing centerline of improvement of Old Little Britain Road leading from present Little Britain Road to Union Avenue at its intersection with the westerly line of lands formerly owned by M. and J. Flanagan, said point also being at the northwesterly corner of lands now owned by Newburgh South Congregation of Jehovah's Witnesses, thence South 15° 56' 51" West (State Plane North) along a stone wall and along the westerly line of solid lands of Newburgh South Congregation of Jehovah's Witnesses, being 1166.4 feet to a point in the center of said road, thence North 81° 30' 26" West following a stone wall and along the easterly line of lands of Central Hudson Gas & Electric Corp., 360.90 feet to a point on the easterly line of lands of said Flanagan, being along a stone wall and along the easterly line of lands of Homer R. Williams, which is also the easterly line of lands now owned by St. Michaels Center for Education Inc.; thence North 02° 18' 24" East along a stone wall and along the easterly line of lands of St. Michaels Center for Education Inc.; 374.76 feet to a point on the existing centerline of improvement of Old Little Britain Road, thence along said centerline the following seven (7) courses and distances: (1) North 85° 27' 24" East 1166.40 feet, on a curve length of 125.90 feet and a chord bearing and distance of North 85° 14' 12" E, 125.74 to a point of tangency; thence (2) North 88° 19' 03" East, 40.40 feet to a point of curvature; thence (3) South 74° 45' 54" East, 78.90 feet, on a curve length of 230.31 feet and a chord bearing and distance of South 83° 13' 25" East, 229.47 feet, on a curve length of 119.82 feet and a chord bearing a distance of South 88° 01' 04" East, 119.85 feet to the point of tangency; thence (4) North 88° 01' 04" East, 119.85 feet to the point of beginning, consisting 589 curves, more or less.

SUBJECT TO the rights of the public in and to that portion of the above described lands lying within the bounds of Old Little Britain Road.



Appendix A:
Site Photographs

Site Photos

133 Old Little Britain Road

March 10, 2020



Site House North Side



Site House South Side –
Note collapsed roof area



House – East Side



Fuel Tank Vent and Fill Piping
on East Side of House



House west side and remains of wooden shed building



Wood shed building remains southwest of house



Remains of Shed or garage structure southeast of house



Stone lined dug well
south of house



Collapsed floor area inside house from south window



Collapsed floor area inside house from south window



Collapsed house roof interior Area from south window



Typical area south of house



Southern side of property looking at adjacent CHG&E
Parking Lot



South of SP looking at off-site CHG&E parking lot



Southeast corner of SP



Test Boring/Pit and Perk Well on SP



Drum along south side of SP



CHG&E Materials Storage area near southwest corner of SP



Fill pile west of SP



Fill pile on parcel west of SP near SW corner



Fill pile on parcel west of SP near SW corner



Property to the west of the SP



Jehovah's Witness Kingdom Hall Property to the east of the SP



West Side of SP Area



West Side of SP Area



Moulton Memorial Baptist Church North of SP

Appendix B:
Environmental Database Report

33 Old Little Britain Road
33 Old Little Britain Road
Newburgh, NY 12550

Inquiry Number: 5992474.2s
March 02, 2020

The EDR Radius Map™ Report with GeoCheck®



6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

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Thank you for your business.
 Please contact EDR at 1-800-352-0050
 with any questions or comments.

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-13), the ASTM Standard Practice for Environmental Site Assessments for Forestland or Rural Property (E 2247-16), the ASTM Standard Practice for Limited Environmental Due Diligence: Transaction Screen Process (E 1528-14) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

33 OLD LITTLE BRITAIN ROAD
NEWBURGH, NY 12550

COORDINATES

Latitude (North): 41.4949950 - 41° 29' 41.98"
Longitude (West): 74.0583240 - 74° 3' 29.96"
Universal Transverse Mercator: Zone 18
UTM X (Meters): 578603.5
UTM Y (Meters): 4593924.0
Elevation: 317 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map: 5940253 CORNWALL-ON-HUDSON, NY
Version Date: 2013

North Map: 5940263 NEWBURGH, NY
Version Date: 2013

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from: 20150522
Source: USDA

MAPPED SITES SUMMARY

Target Property Address:
33 OLD LITTLE BRITAIN ROAD
NEWBURGH, NY 12550

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
A1	RESERVOIR	42 OLD LITTLE BRITTO	NY Spills	Lower	98, 0.019, ENE
2	MOULTON MEMORIAL BAP	54 OLD LITTLE BRITIA	NY Spills	Lower	234, 0.044, NNE
A3	GUCCIARDO RESIDENCE	92 DALPHONSO ROAD	NY Spills	Lower	265, 0.050, East
4	CARHART INSURANCE PA	69 OLD LITTLE BRITAI	NY Spills	Lower	289, 0.055, WNW
5	HEAVEN BOUND CHURCH	61 WILLIAMS ST	NY Spills	Higher	451, 0.085, NW
6	CENTRAL HUDSON G & E	410 LITTLE BRITTAIN	NY LTANKS	Lower	509, 0.096, SSW
B7	SPCA	ROUTE 207	NY Spills	Lower	513, 0.097, SSE
B8	BIG SAVER CONVENIENC	536 LITTLE BRITAIN R	EDR Hist Auto	Lower	560, 0.106, SSE
B9	CUMBERLAND FARMS	602 LITTLE BRITIAN R	NY LTANKS	Lower	584, 0.111, SSE
B10	CUMBERLAND FARMS	602 LITTLE BRITIAN R	NY Spills	Lower	584, 0.111, SSE
B11	DISCOUNT TRANSMISSIO	544 ROUTE 207	EDR Hist Auto	Lower	594, 0.112, SSE
B12	HAMILTON PROPERTY HO	607 LITTLE BRITAIN R	NY UST	Lower	625, 0.118, SSE
13	J & H SMITH LIGHT CO	499 LITTLE BRITAIN R	RCRA NonGen / NLR, FINDS, ECHO, NY MANIFEST	Lower	667, 0.126, SE
C14	CHEVRON TEXACO TECHN	617 LITTLE BRITAIN R	NY MANIFEST	Higher	778, 0.147, South
C15	CHEVRONTEXACO TECHNO	617 LITTLE BRITAIN R	RCRA-SQG, NJ MANIFEST	Higher	778, 0.147, South
C16	PRATT INDUSTRIES	617 LITTLE BRITAIN R	RCRA-SQG, NY SHWS, NY ENG CONTROLS, NY INST...	Higher	778, 0.147, South
D17	CENTRAL HUDSON GAS &	610 LITTLE BRITAIN R	NY TANKS	Lower	949, 0.180, SSW
D18	CENTRAL HUDSON NEWBU	610 LITTLE BRITAIN R	RCRA-SQG, PADS	Lower	949, 0.180, SSW
D19	CENTRAL HUDSON GAS &	610 LITTLE BRITAIN R	NY MANIFEST	Lower	949, 0.180, SSW
D20	DBL S/S	ROUTE 207	NY LTANKS	Lower	984, 0.186, SSW
D21	ATI STATION	635 LITTLE BRITAIN R	NY LTANKS, NY Spills	Lower	994, 0.188, SSW
D22	STEWART FIELD, LLC	1059 LITTLE BRITAIN	NY UST, NY Spills	Lower	994, 0.188, SSW
23	DIVISION OF KOLLMORG	LITTLE BRITAIN RD	NY UST	Lower	1029, 0.195, ESE
D24	DBL S/S	639 LITTLE BRITIAN R	NY LTANKS	Lower	1044, 0.198, SSW
D25	BP STATION	635 RT. 207	NY LTANKS, NY Spills	Lower	1121, 0.212, SSW
26	STEVENS RESIDENCE	463 LITTLE BRITAIN R	NY LTANKS	Lower	1867, 0.354, ESE
27	INTERLAKE INC. NEWBU	TEMPLE HILL RD. NEAR	SEMS-ARCHIVE, CORRACTS, RCRA NonGen / NLR, NY...	Lower	4862, 0.921, SSW
28	STE OBS LIGHT ANX		FUDS	Higher	4990, 0.945, SE

EXECUTIVE SUMMARY

TARGET PROPERTY SEARCH RESULTS

The target property was not listed in any of the databases searched by EDR.

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL..... National Priority List
Proposed NPL..... Proposed National Priority List Sites
NPL LIENS..... Federal Superfund Liens

Federal Delisted NPL site list

Delisted NPL..... National Priority List Deletions

Federal CERCLIS list

FEDERAL FACILITY..... Federal Facility Site Information listing
SEMS..... Superfund Enterprise Management System

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF..... RCRA - Treatment, Storage and Disposal

Federal RCRA generators list

RCRA-LQG..... RCRA - Large Quantity Generators
RCRA-VSQG..... RCRA - Very Small Quantity Generators (Formerly Conditionally Exempt Small Quantity Generators)

Federal institutional controls / engineering controls registries

LUCIS..... Land Use Control Information System
US ENG CONTROLS..... Engineering Controls Sites List
US INST CONTROL..... Sites with Institutional Controls

Federal ERNS list

ERNS..... Emergency Response Notification System

State and tribal landfill and/or solid waste disposal site lists

NY SWF/LF..... Facility Register

EXECUTIVE SUMMARY

State and tribal leaking storage tank lists

INDIAN LUST..... Leaking Underground Storage Tanks on Indian Land
NY HIST LTANKS..... Listing of Leaking Storage Tanks

State and tribal registered storage tank lists

FEMA UST..... Underground Storage Tank Listing
NY CBS UST..... Chemical Bulk Storage Database
NY MOSF UST..... Major Oil Storage Facilities Database
NY CBS..... Chemical Bulk Storage Site Listing
NY MOSF..... Major Oil Storage Facility Site Listing
NY AST..... Petroleum Bulk Storage
NY CBS AST..... Chemical Bulk Storage Database
NY MOSF AST..... Major Oil Storage Facilities Database
INDIAN UST..... Underground Storage Tanks on Indian Land

State and tribal institutional control / engineering control registries

NY RES DECL..... Restrictive Declarations Listing

State and tribal voluntary cleanup sites

NY VCP..... Voluntary Cleanup Agreements
INDIAN VCP..... Voluntary Cleanup Priority Listing

State and tribal Brownfields sites

NY BROWNFIELDS..... Brownfields Site List
NY ERP..... Environmental Restoration Program Listing

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS..... A Listing of Brownfields Sites

Local Lists of Landfill / Solid Waste Disposal Sites

NY SWTIRE..... Registered Waste Tire Storage & Facility List
NY SWRCY..... Registered Recycling Facility List
INDIAN ODI..... Report on the Status of Open Dumps on Indian Lands
ODI..... Open Dump Inventory
DEBRIS REGION 9..... Torres Martinez Reservation Illegal Dump Site Locations
IHS OPEN DUMPS..... Open Dumps on Indian Land

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL..... Delisted National Clandestine Laboratory Register
NY DEL SHWS..... Delisted Registry Sites
US CDL..... National Clandestine Laboratory Register
NY PFAS..... PFAS Contamination Site Location Listing

Local Lists of Registered Storage Tanks

NY HIST UST..... Historical Petroleum Bulk Storage Database

EXECUTIVE SUMMARY

NY HIST AST..... Historical Petroleum Bulk Storage Database

Local Land Records

NY LIENS..... Spill Liens Information
LIENS 2..... CERCLA Lien Information

Records of Emergency Release Reports

HMIRS..... Hazardous Materials Information Reporting System
NY Hist Spills..... SPILLS Database
NY SPILLS 90..... SPILLS 90 data from FirstSearch
NY SPILLS 80..... SPILLS 80 data from FirstSearch

Other Ascertainable Records

DOD..... Department of Defense Sites
SCRD DRYCLEANERS..... State Coalition for Remediation of Drycleaners Listing
US FIN ASSUR..... Financial Assurance Information
EPA WATCH LIST..... EPA WATCH LIST
2020 COR ACTION..... 2020 Corrective Action Program List
TSCA..... Toxic Substances Control Act
TRIS..... Toxic Chemical Release Inventory System
SSTS..... Section 7 Tracking Systems
ROD..... Records Of Decision
RMP..... Risk Management Plans
RAATS..... RCRA Administrative Action Tracking System
PRP..... Potentially Responsible Parties
FTTS..... FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
MLTS..... Material Licensing Tracking System
COAL ASH DOE..... Steam-Electric Plant Operation Data
COAL ASH EPA..... Coal Combustion Residues Surface Impoundments List
PCB TRANSFORMER..... PCB Transformer Registration Database
RADINFO..... Radiation Information Database
HIST FTTS..... FIFRA/TSCA Tracking System Administrative Case Listing
DOT OPS..... Incident and Accident Data
CONSENT..... Superfund (CERCLA) Consent Decrees
INDIAN RESERV..... Indian Reservations
FUSRAP..... Formerly Utilized Sites Remedial Action Program
UMTRA..... Uranium Mill Tailings Sites
LEAD SMELTERS..... Lead Smelter Sites
US MINES..... Mines Master Index File
ABANDONED MINES..... Abandoned Mines
DOCKET HWC..... Hazardous Waste Compliance Docket Listing
UXO..... Unexploded Ordnance Sites
FUELS PROGRAM..... EPA Fuels Program Registered Listing
NY AIRS..... Air Emissions Data
NY COAL ASH..... Coal Ash Disposal Site Listing
NY DRYCLEANERS..... Registered Drycleaners
NY E DESIGNATION..... E DESIGNATION SITE LISTING
NY Financial Assurance..... Financial Assurance Information Listing
NY HSWDS..... Hazardous Substance Waste Disposal Site Inventory
NY SPDES..... State Pollutant Discharge Elimination System
NY VAPOR REOPENED..... Vapor Intrusion Legacy Site List

EXECUTIVE SUMMARY

NY UIC..... Underground Injection Control Wells
NY COOLING TOWERS..... Registered Cooling Towers
MINES MRDS..... Mineral Resources Data System

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP..... EDR Proprietary Manufactured Gas Plants
EDR Hist Cleaner..... EDR Exclusive Historical Cleaners

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

NY RGA HWS..... Recovered Government Archive State Hazardous Waste Facilities List
NY RGA LF..... Recovered Government Archive Solid Waste Facilities List

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.

Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

STANDARD ENVIRONMENTAL RECORDS

Federal RCRA CORRACTS facilities list

CORRACTS: CORRACTS is a list of handlers with RCRA Corrective Action Activity. This report shows which nationally-defined corrective action core events have occurred for every handler that has had corrective action activity.

A review of the CORRACTS list, as provided by EDR, and dated 12/16/2019 has revealed that there is 1 CORRACTS site within approximately 1 mile of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<i>INTERLAKE INC. NEWBU</i> EPA ID:: NYD001643816	<i>TEMPLE HILL RD. NEAR</i>	<i>SSW 1/2 - 1 (0.921 mi.)</i>	<i>27</i>	<i>96</i>

EXECUTIVE SUMMARY

Federal RCRA generators list

RCRA-SQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

A review of the RCRA-SQG list, as provided by EDR, and dated 12/16/2019 has revealed that there are 3 RCRA-SQG sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
CHEVRONTEXACO TECHNO EPA ID:: NYR000123059	617 LITTLE BRITAIN R	S 1/8 - 1/4 (0.147 mi.)	C15	26
PRATT INDUSTRIES EPA ID:: NYD030488266	617 LITTLE BRITAIN R	S 1/8 - 1/4 (0.147 mi.)	C16	29
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
CENTRAL HUDSON NEWBU EPA ID:: NYD127325405	610 LITTLE BRITAIN R	SSW 1/8 - 1/4 (0.180 mi.)	D18	58

State- and tribal - equivalent CERCLIS

NY SHWS: The State Hazardous Waste Sites records are the states' equivalent to CERCLIS. These sites may or may not already be listed on the federal CERCLIS list. Priority sites planned for cleanup using state funds (state equivalent of Superfund) are identified along with sites where cleanup will be paid for by potentially responsible parties. The data come from the Department of Environmental Conservation's Inactive Hazardous waste Disposal Sites in New York State.

A review of the NY SHWS list, as provided by EDR, and dated 11/11/2019 has revealed that there is 1 NY SHWS site within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
PRATT INDUSTRIES Class Code: Site is properly closed - requires continued management. Site Code: 56012	617 LITTLE BRITAIN R	S 1/8 - 1/4 (0.147 mi.)	C16	29

State and tribal leaking storage tank lists

NY LTANKS: Leaking Storage Tank Incident Reports. These records contain an inventory of reported leaking storage tank incidents reported from 4/1/86 through the most recent update. They can be either leaking underground storage tanks or leaking aboveground storage tanks. The causes of the incidents are tank test failures, tank failures or tank overfills

A review of the NY LTANKS list, as provided by EDR, and dated 11/11/2019 has revealed that there are 7 NY LTANKS sites within approximately 0.5 miles of the target property.

EXECUTIVE SUMMARY

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
CENTRAL HUDSON G & E Spill Number/Closed Date: 9410564 / 1995-01-12 Site ID: 266240 Spill Date: 1994-11-08	410 LITTLE BRITAIN	SSW 0 - 1/8 (0.096 mi.)	6	13
CUMBERLAND FARMS Spill Number/Closed Date: 0009792 / 2005-04-14 Site ID: 296282 Spill Date: 2000-11-28	602 LITTLE BRITIAN R	SSE 0 - 1/8 (0.111 mi.)	B9	15
DBL S/S Spill Number/Closed Date: 9314758 / 1995-02-22 Site ID: 256882 Spill Date: 1994-03-16	ROUTE 207	SSW 1/8 - 1/4 (0.186 mi.)	D20	66
ATI STATION Spill Number/Closed Date: 9312082 / 2012-11-14 Site ID: 177600 Spill Date: 1993-12-21	635 LITTLE BRITAIN R	SSW 1/8 - 1/4 (0.188 mi.)	D21	67
DBL S/S Spill Number/Closed Date: 9305093 / 1995-02-21 Site ID: 102430 Spill Date: 1993-07-23	639 LITTLE BRITIAN R	SSW 1/8 - 1/4 (0.198 mi.)	D24	91
BP STATION Spill Number/Closed Date: 9507449 / 1995-12-18 Site ID: 310073 Spill Date: 1995-09-18	635 RT. 207	SSW 1/8 - 1/4 (0.212 mi.)	D25	93
STEVENS RESIDENCE Spill Number/Closed Date: 9902026 / 2009-01-28 Site ID: 165725 Spill Date: 1999-05-20	463 LITTLE BRITAIN R	ESE 1/4 - 1/2 (0.354 mi.)	26	95

State and tribal registered storage tank lists

NY UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the Department of Environmental Conservation's Petroleum Bulk Storage (PBS) Database

A review of the NY UST list, as provided by EDR, has revealed that there are 3 NY UST sites within approximately 0.25 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
HAMILTON PROPERTY HO Database: UST, Date of Government Version: 09/23/2019	607 LITTLE BRITAIN R	SSE 0 - 1/8 (0.118 mi.)	B12	18
STEWART FIELD, LLC Database: UST, Date of Government Version: 09/23/2019	1059 LITTLE BRITAIN	SSW 1/8 - 1/4 (0.188 mi.)	D22	70
DIVISION OF KOLLMORG Database: UST, Date of Government Version: 09/23/2019	LITTLE BRITAIN RD	ESE 1/8 - 1/4 (0.195 mi.)	23	89

EXECUTIVE SUMMARY

NY TANKS: This database contains records of facilities that are or have been regulated under Bulk Storage Program. Tank information for these facilities may not be releasable by the state agency.

A review of the NY TANKS list, as provided by EDR, has revealed that there is 1 NY TANKS site within approximately 0.25 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
CENTRAL HUDSON GAS & Database: TANKS, Date of Government Version: 09/23/2019 Facility Id: 3-167096 Site Status: Active	610 LITTLE BRITAIN R	SSW 1/8 - 1/4 (0.180 mi.)	D17	58

State and tribal institutional control / engineering control registries

NY ENG CONTROLS: Environmental Remediation sites that have engineering controls in place.

A review of the NY ENG CONTROLS list, as provided by EDR, and dated 11/11/2019 has revealed that there is 1 NY ENG CONTROLS site within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
PRATT INDUSTRIES Site Code: 56012	617 LITTLE BRITAIN R	S 1/8 - 1/4 (0.147 mi.)	C16	29

Environmental Remediation sites that have institutional controls in place.

A review of the NY INST CONTROL list, as provided by EDR, and dated 11/11/2019 has revealed that there is 1 NY INST CONTROL site within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
PRATT INDUSTRIES Site Code: 56012	617 LITTLE BRITAIN R	S 1/8 - 1/4 (0.147 mi.)	C16	29

ADDITIONAL ENVIRONMENTAL RECORDS

Records of Emergency Release Reports

NY Spills: Data collected on spills reported to NYSDEC. is required by one or more of the following: Article 12 of the Navigation Law, 6 NYCRR Section 613.8 (from PBS regs), or 6 NYCRR Section 595.2 (from CBS regs). It includes spills active as of April 1, 1986, as well as spills occurring since this date.

A review of the NY Spills list, as provided by EDR, and dated 11/11/2019 has revealed that there are 7 NY Spills sites within approximately 0.125 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
HEAVEN BOUND CHURCH Spill Number/Closed Date: 0106356 / 2001-09-18	61 WILLIAMS ST	NW 0 - 1/8 (0.085 mi.)	5	12

EXECUTIVE SUMMARY

Site ID: 310298
Spill Date: 2001-09-17

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
RESERVOIR Spill Number/Closed Date: 0307925 / 2003-10-31 Site ID: 317139 Spill Date: 2003-10-28	42 OLD LITTLE BRITTO	ENE 0 - 1/8 (0.019 mi.)	A1	8
MOULTON MEMORIAL BAP Spill Number/Closed Date: 1007439 / 2011-01-27 Site ID: 440855 Spill Date: 2010-10-12	54 OLD LITTLE BRITIA	NNE 0 - 1/8 (0.044 mi.)	2	9
GUCCIARDO RESIDENCE Spill Number/Closed Date: 9213524 / 1993-03-10 Site ID: 272721 Spill Date: 1993-03-08	92 DALPHONSO ROAD	E 0 - 1/8 (0.050 mi.)	A3	10
CARHART INSURANCE PA Spill Number/Closed Date: 9205964 / 1992-09-01 Site ID: 228728 Spill Date: 1992-08-24	69 OLD LITTLE BRITAI	WNW 0 - 1/8 (0.055 mi.)	4	11
SPCA Spill Number/Closed Date: 9912949 / 2000-04-04 Site ID: 320247 Spill Date: 2000-02-14	ROUTE 207	SSE 0 - 1/8 (0.097 mi.)	B7	14
CUMBERLAND FARMS Spill Number/Closed Date: 0011342 / 2011-02-18 Site ID: 296283 Spill Date: 2000-11-29	602 LITTLE BRITIAN R	SSE 0 - 1/8 (0.111 mi.)	B10	16

Other Ascertainable Records

RCRA NonGen / NLR: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

A review of the RCRA NonGen / NLR list, as provided by EDR, and dated 12/16/2019 has revealed that there is 1 RCRA NonGen / NLR site within approximately 0.25 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
J & H SMITH LIGHT CO EPA ID:: NYD982180135	499 LITTLE BRITAIN R	SE 1/8 - 1/4 (0.126 mi.)	13	21

EXECUTIVE SUMMARY

FUDS: The Listing includes locations of Formerly Used Defense Sites Properties where the US Army Corps Of Engineers is actively working or will take necessary cleanup actions.

A review of the FUDS list, as provided by EDR, and dated 11/12/2019 has revealed that there is 1 FUDS site within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
STE OBS LIGHT ANX		SE 1/2 - 1 (0.945 mi.)	28	100

NY MANIFEST: Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

A review of the NY MANIFEST list, as provided by EDR, and dated 01/01/2019 has revealed that there are 3 NY MANIFEST sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
CHEVRON TEXACO TECHN EPA ID: NYR000123059	617 LITTLE BRITAIN R	S 1/8 - 1/4 (0.147 mi.)	C14	25

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
J & H SMITH LIGHT CO EPA ID: NYD982180135	499 LITTLE BRITAIN R	SE 1/8 - 1/4 (0.126 mi.)	13	21
CENTRAL HUDSON GAS & EPA ID: NYD127325405	610 LITTLE BRITAIN R	SSW 1/8 - 1/4 (0.180 mi.)	D19	65

NJ MANIFEST: Hazardous waste manifest information.

A review of the NJ MANIFEST list, as provided by EDR, and dated 12/31/2018 has revealed that there is 1 NJ MANIFEST site within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
CHEVRONTEXACO TECHNO EPA Id: NYR000123059	617 LITTLE BRITAIN R	S 1/8 - 1/4 (0.147 mi.)	C15	26

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR Hist Auto: EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

A review of the EDR Hist Auto list, as provided by EDR, has revealed that there are 2 EDR Hist Auto

EXECUTIVE SUMMARY

sites within approximately 0.125 miles of the target property.

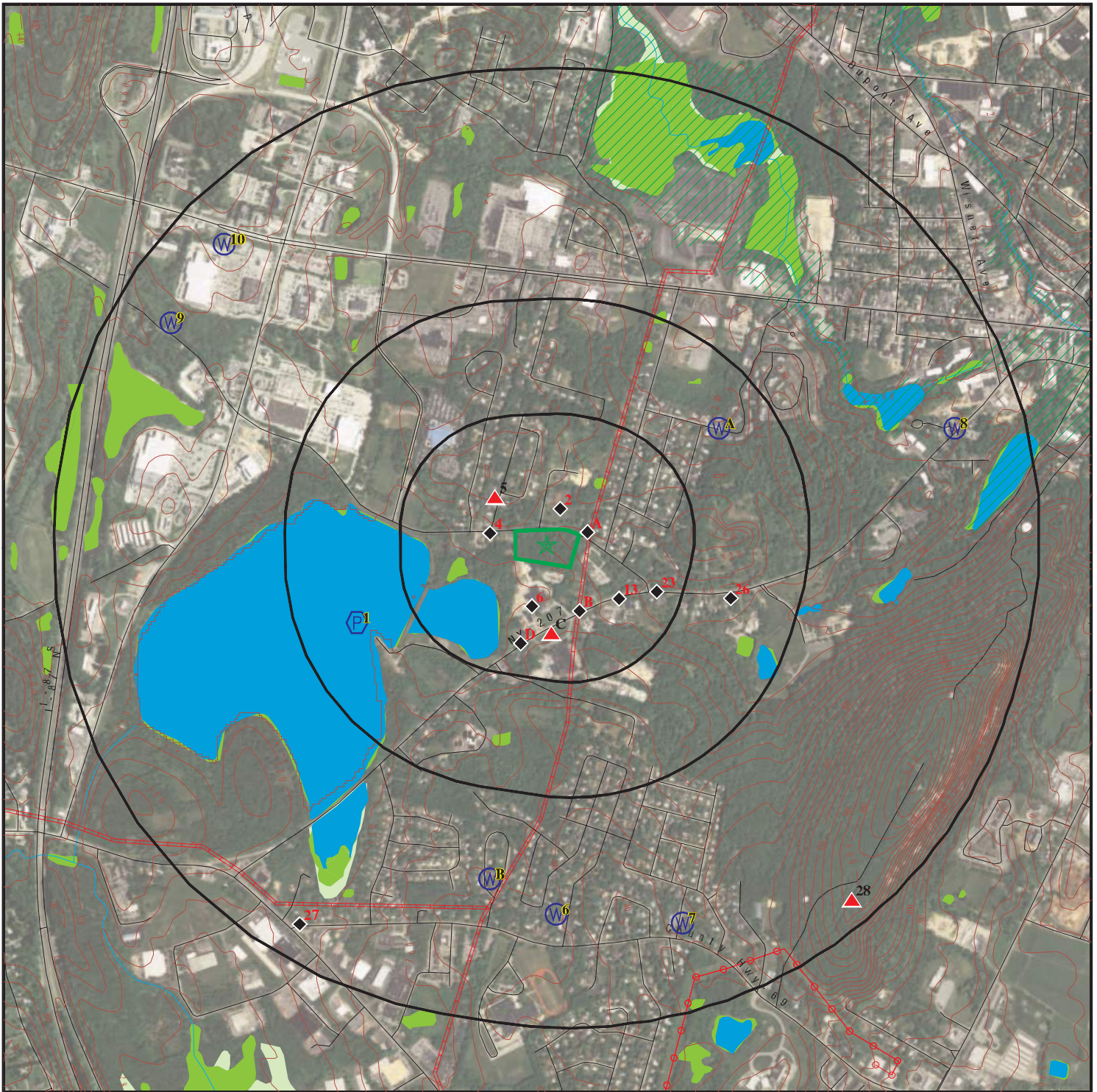
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
BIG SAVER CONVENIENC	536 LITTLE BRITAIN R	SSE 0 - 1/8 (0.106 mi.)	B8	15
DISCOUNT TRANSMISSIO	544 ROUTE 207	SSE 0 - 1/8 (0.112 mi.)	B11	18







EXECUTIVE SUMMARY








Due to poor or inadequate address information, the following sites were not mapped. Count: 3 records.

<u>Site Name</u>	<u>Database(s)</u>
CHG & E LITTLE BRITAIN ROAD	NY SHWS
LITTLE BRITAIN ROAD	NY VCP, NY BROWNFIELDS
CENTRAL HUDSON / NEWBURGH	NY LTANKS

OVERVIEW MAP - 5992474.2S



-  Target Property
-  Sites at elevations higher than or equal to the target property
-  Sites at elevations lower than the target property
-  Manufactured Gas Plants
-  National Priority List Sites
-  Dept. Defense Sites

-  Indian Reservations BIA
-  Power transmission lines
-  Pipelines
-  Special Flood Hazard Area (1%)
-  0.2% Annual Chance Flood Hazard
-  National Wetland Inventory
-  State Wetlands

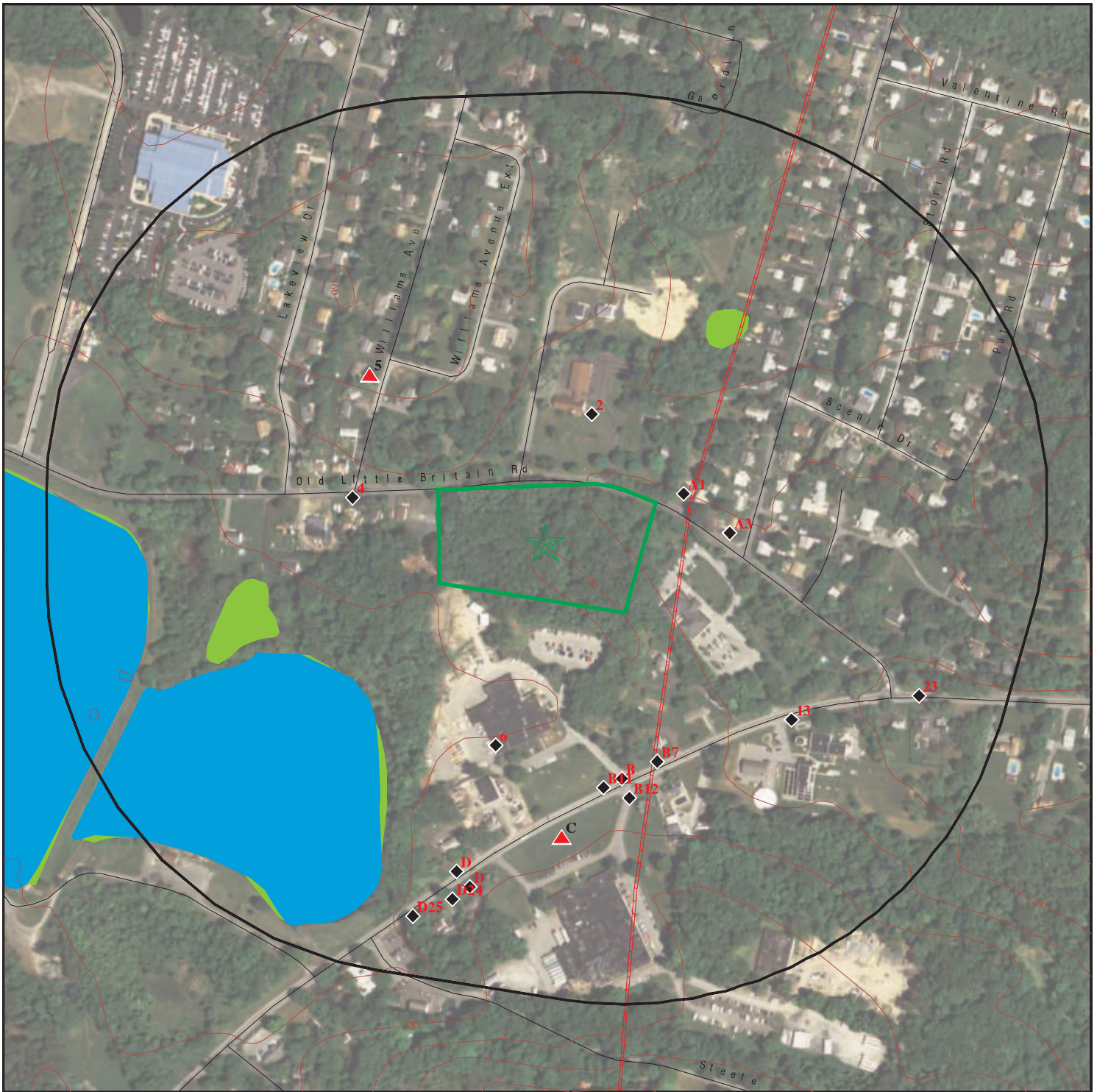


This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: 33 Old Little Britain Road
 ADDRESS: 33 Old Little Britain Road
 Newburgh NY 12550
 LAT/LONG: 41.494995 / 74.058324

CLIENT: Alpine Environmental Services
 CONTACT: Denise Salisbury
 INQUIRY #: 5992474.2s
 DATE: March 02, 2020 3:54 pm

DETAIL MAP - 5992474.2S



Target Property

Sites at elevations higher than or equal to the target property

Sites at elevations lower than the target property

Manufactured Gas Plants

Sensitive Receptors

National Priority List Sites

Dept. Defense Sites

Indian Reservations BIA

Pipelines

Special Flood Hazard Area (1%)

0.2% Annual Chance Flood Hazard

National Wetland Inventory

State Wetlands



This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: 33 Old Little Britain Road
 ADDRESS: 33 Old Little Britain Road
 Newburgh NY 12550
 LAT/LONG: 41.494995 / 74.058324

CLIENT: Alpine Environmental Services
 CONTACT: Denise Salisbury
 INQUIRY #: 5992474.2s
 DATE: March 02, 2020 3:54 pm

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
<i>Federal NPL site list</i>								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	1.000		0	0	0	0	NR	0
<i>Federal Delisted NPL site list</i>								
Delisted NPL	1.000		0	0	0	0	NR	0
<i>Federal CERCLIS list</i>								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
SEMS	0.500		0	0	0	NR	NR	0
<i>Federal CERCLIS NFRAP site list</i>								
SEMS-ARCHIVE	0.500		0	0	0	NR	NR	0
<i>Federal RCRA CORRACTS facilities list</i>								
CORRACTS	1.000		0	0	0	1	NR	1
<i>Federal RCRA non-CORRACTS TSD facilities list</i>								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
<i>Federal RCRA generators list</i>								
RCRA-LQG	0.250		0	0	NR	NR	NR	0
RCRA-SQG	0.250		0	3	NR	NR	NR	3
RCRA-VSQG	0.250		0	0	NR	NR	NR	0
<i>Federal institutional controls / engineering controls registries</i>								
LUCIS	0.500		0	0	0	NR	NR	0
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROL	0.500		0	0	0	NR	NR	0
<i>Federal ERNS list</i>								
ERNS	TP		NR	NR	NR	NR	NR	0
<i>State- and tribal - equivalent CERCLIS</i>								
NY SHWS	1.000		0	1	0	0	NR	1
<i>State and tribal landfill and/or solid waste disposal site lists</i>								
NY SWF/LF	0.500		0	0	0	NR	NR	0
<i>State and tribal leaking storage tank lists</i>								
INDIAN LUST	0.500		0	0	0	NR	NR	0
NY LTANKS	0.500		2	4	1	NR	NR	7
NY HIST LTANKS	0.500		0	0	0	NR	NR	0
<i>State and tribal registered storage tank lists</i>								
FEMA UST	0.250		0	0	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
NY UST	0.250		1	2	NR	NR	NR	3
NY CBS UST	0.250		0	0	NR	NR	NR	0
NY MOSF UST	0.500		0	0	0	NR	NR	0
NY CBS	0.250		0	0	NR	NR	NR	0
NY MOSF	0.500		0	0	0	NR	NR	0
NY AST	0.250		0	0	NR	NR	NR	0
NY CBS AST	0.250		0	0	NR	NR	NR	0
NY MOSF AST	0.500		0	0	0	NR	NR	0
INDIAN UST	0.250		0	0	NR	NR	NR	0
NY TANKS	0.250		0	1	NR	NR	NR	1
State and tribal institutional control / engineering control registries								
NY RES DECL	0.125		0	NR	NR	NR	NR	0
NY ENG CONTROLS	0.500		0	1	0	NR	NR	1
NY INST CONTROL	0.500		0	1	0	NR	NR	1
State and tribal voluntary cleanup sites								
NY VCP	0.500		0	0	0	NR	NR	0
INDIAN VCP	0.500		0	0	0	NR	NR	0
State and tribal Brownfields sites								
NY BROWNFIELDS	0.500		0	0	0	NR	NR	0
NY ERP	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
Local Lists of Landfill / Solid Waste Disposal Sites								
NY SWTIRE	0.500		0	0	0	NR	NR	0
NY SWRCY	0.500		0	0	0	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
IHS OPEN DUMPS	0.500		0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
US HIST CDL	TP		NR	NR	NR	NR	NR	0
NY DEL SHWS	1.000		0	0	0	0	NR	0
US CDL	TP		NR	NR	NR	NR	NR	0
NY PFAS	0.500		0	0	0	NR	NR	0
Local Lists of Registered Storage Tanks								
NY HIST UST	0.250		0	0	NR	NR	NR	0
NY HIST AST	TP		NR	NR	NR	NR	NR	0
Local Land Records								
NY LIENS	TP		NR	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
LIENS 2	TP		NR	NR	NR	NR	NR	0
Records of Emergency Release Reports								
HMIRS	TP		NR	NR	NR	NR	NR	0
NY Spills	0.125		7	NR	NR	NR	NR	7
NY Hist Spills	0.125		0	NR	NR	NR	NR	0
NY SPILLS 90	0.125		0	NR	NR	NR	NR	0
NY SPILLS 80	0.125		0	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	0.250		0	1	NR	NR	NR	1
FUDS	1.000		0	0	0	1	NR	1
DOD	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
US FIN ASSUR	TP		NR	NR	NR	NR	NR	0
EPA WATCH LIST	TP		NR	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	TP		NR	NR	NR	NR	NR	0
TRIS	TP		NR	NR	NR	NR	NR	0
SSTS	TP		NR	NR	NR	NR	NR	0
ROD	1.000		0	0	0	0	NR	0
RMP	TP		NR	NR	NR	NR	NR	0
RAATS	TP		NR	NR	NR	NR	NR	0
PRP	TP		NR	NR	NR	NR	NR	0
PADS	TP		NR	NR	NR	NR	NR	0
ICIS	TP		NR	NR	NR	NR	NR	0
FTTS	TP		NR	NR	NR	NR	NR	0
MLTS	TP		NR	NR	NR	NR	NR	0
COAL ASH DOE	TP		NR	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	TP		NR	NR	NR	NR	NR	0
RADINFO	TP		NR	NR	NR	NR	NR	0
HIST FTTS	TP		NR	NR	NR	NR	NR	0
DOT OPS	TP		NR	NR	NR	NR	NR	0
CONSENT	1.000		0	0	0	0	NR	0
INDIAN RESERV	1.000		0	0	0	0	NR	0
FUSRAP	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	TP		NR	NR	NR	NR	NR	0
US AIRS	TP		NR	NR	NR	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
ABANDONED MINES	0.250		0	0	NR	NR	NR	0
FINDS	TP		NR	NR	NR	NR	NR	0
DOCKET HWC	TP		NR	NR	NR	NR	NR	0
ECHO	TP		NR	NR	NR	NR	NR	0
UXO	1.000		0	0	0	0	NR	0
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0
NY AIRS	TP		NR	NR	NR	NR	NR	0
NY COAL ASH	0.500		0	0	0	NR	NR	0
NY DRYCLEANERS	0.250		0	0	NR	NR	NR	0
NY E DESIGNATION	0.125		0	NR	NR	NR	NR	0

MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Site

Database(s)

EDR ID Number
 EPA ID Number

A1
ENE
 < 1/8
 0.019 mi.
 98 ft.

RESERVOIR
42 OLD LITTLE BRITTON RD
NEWBURGH, NY

NY Spills S106126159
N/A

Site 1 of 2 in cluster A

Relative:
Lower
Actual:
300 ft.

SPILLS:

Name: RESERVOIR
 Address: 42 OLD LITTLE BRITTON RD
 City,State,Zip: NEWBURGH, NY
 Spill Number/Closed Date: 0307925 / 2003-10-31
 Facility ID: 0307925
 Facility Type: ER
 DER Facility ID: 255642
 Site ID: 317139
 DEC Region: 3
 Spill Cause: Deliberate
 Spill Class: C4
 SWIS: 3646
 Spill Date: 2003-10-28
 Investigator: rdbendel
 Referred To: Not reported
 Reported to Dept: 2003-10-28
 CID: 255
 Water Affected: WASHINGTON LAKE
 Spill Source: Passenger Vehicle
 Spill Notifier: Police Department
 Cleanup Ceased: Not reported
 Cleanup Meets Std: True
 Last Inspection: Not reported
 Recommended Penalty: False
 UST Trust: False
 Remediation Phase: 0
 Date Entered In Computer: 2003-10-28
 Spill Record Last Update: 2004-03-09
 Spiller Name: Not reported
 Spiller Company: UNKNOWN
 Spiller Address: Not reported
 Spiller Company: 001
 Contact Name: CHIEF WARREN DECKER
 DEC Memo: "Prior to Sept, 2004 data translation this spill Lead_DEC Field was
 BENDELL 10/28/2003 CALL TO O.C. 911 FORWARDED TO CHIEF ON SITE.
 CALLBACK -- LOOKS MINOR WILL CALL WHEN THEY RAISE TRUCK IF PROBLEM
 NEEDS TO BE ADDRESSED. 10/31/2003 NFA"
 Remarks: "PICK UP TRUCK DRIVER TRIED TO COMMIT SUICIDE BY DRIVING INTO THE
 RESERVOIR - TRUCK IS NOT OUT YET - UNKNOWN AMOUNT OF FLUIDS - THEY
 ARE PRESENTLY FLOATING ON TOP"

All Materials:

Site ID: 317139
 Operable Unit ID: 876414
 Operable Unit: 01
 Material ID: 501448
 Material Code: 0005A
 Material Name: auto waste fluids
 Case No.: Not reported
 Material FA: Petroleum
 Quantity: .00
 Units: G
 Recovered: .00

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

RESERVOIR (Continued)

S106126159

Oxygenate: Not reported

Site ID: 317139
 Operable Unit ID: 876414
 Operable Unit: 01
 Material ID: 501449
 Material Code: 0009
 Material Name: gasoline
 Case No.: Not reported
 Material FA: Petroleum
 Quantity: .00
 Units: G
 Recovered: .00
 Oxygenate: Not reported

2
NNE
< 1/8
0.044 mi.
234 ft.

MOULTON MEMORIAL BAPTIST CHURCH
54 OLD LITTLE BRITIAN RD
NEWBURGH, NY

NY Spills S110540106
N/A

Relative:
Lower
Actual:
309 ft.

SPILLS:

Name: MOULTON MEMORIAL BAPTIST CHURCH
 Address: 54 OLD LITTLE BRITIAN RD
 City,State,Zip: NEWBURGH, NY
 Spill Number/Closed Date: 1007439 / 2011-01-27
 Facility ID: 1007439
 Facility Type: ER
 DER Facility ID: 395886
 Site ID: 440855
 DEC Region: 3
 Spill Cause: Equipment Failure
 Spill Class: C3
 SWIS: 3646
 Spill Date: 2010-10-12
 Investigator: dxweitz
 Referred To: Not reported
 Reported to Dept: 2010-10-12
 CID: Not reported
 Water Affected: Not reported
 Spill Source: Institutional, Educational, Gov., Other
 Spill Notifier: Other
 Cleanup Ceased: Not reported
 Cleanup Meets Std: False
 Last Inspection: Not reported
 Recommended Penalty: False
 UST Trust: False
 Remediation Phase: 0
 Date Entered In Computer: 2010-10-12
 Spill Record Last Update: 2011-01-27
 Spiller Name: DEREK LOPEZ
 Spiller Company: MOULTON MEMORIAL BAPTIST CHURCH
 Spiller Address: 54 OLD LITTLE BRITIAN RD
 Spiller Company: 999
 Contact Name: DEREK LOPEZ
 DEC Memo: "10-12-10 Spoke with Scott. They will be performing cleanup. This is a 1k tank. There was water in tank. There was hole in top and on

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MOULTON MEMORIAL BAPTIST CHURCH (Continued)

S110540106

Remarks: sides of tank. Will submit report to D. Weitz. jm 1/27/11 Reviewed TCR submitted by Crossriver Env. Report to be eDoced. NFA dw "soil contamination found during tank removal.clean up pending"

All Materials:
Site ID: 440855
Operable Unit ID: 1191447
Operable Unit: 01
Material ID: 2186581
Material Code: 0001A
Material Name: #2 fuel oil
Case No.: Not reported
Material FA: Petroleum
Quantity: Not reported
Units: Not reported
Recovered: Not reported
Oxygenate: Not reported

A3
East
< 1/8
0.050 mi.
265 ft.

GUCCIARDO RESIDENCE
92 DALPHONSO ROAD
NEWBURGH, NY

Site 2 of 2 in cluster A

NY Spills S102152335
N/A

Relative:
Lower
Actual:
299 ft.

SPILLS:
Name: GUCCIARDO RESIDENCE
Address: 92 DALPHONSO ROAD
City,State,Zip: NEWBURGH, NY
Spill Number/Closed Date: 9213524 / 1993-03-10
Facility ID: 9213524
Facility Type: ER
DER Facility ID: 221932
Site ID: 272721
DEC Region: 3
Spill Cause: Human Error
Spill Class: C3
SWIS: 3646
Spill Date: 1993-03-08
Investigator: DVWEHRFR
Referred To: Not reported
Reported to Dept: 1993-03-08
CID: Not reported
Water Affected: Not reported
Spill Source: Private Dwelling
Spill Notifier: Other
Cleanup Ceased: 1993-03-10
Cleanup Meets Std: False
Last Inspection: Not reported
Recommended Penalty: False
UST Trust: False
Remediation Phase: 0
Date Entered In Computer: Not reported
Spill Record Last Update: 2003-12-02
Spiller Name: Not reported
Spiller Company: SAME
Spiller Address: Not reported
Spiller Company: 999

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GUCCIARDO RESIDENCE (Continued)

S102152335

Contact Name: Not reported
DEC Memo: "Prior to Sept, 2004 data translation this spill Lead_DEC Field was WEHRFRITZ "
Remarks: "SPILL ON PAVED DRIVEWAY SPILL CLEANED"
All Materials:
Site ID: 272721
Operable Unit ID: 977700
Operable Unit: 01
Material ID: 403303
Material Code: 0001A
Material Name: #2 fuel oil
Case No.: Not reported
Material FA: Petroleum
Quantity: 1.00
Units: G
Recovered: .00
Oxygenate: Not reported

4
WNW
< 1/8
0.055 mi.
289 ft.

CARHART INSURANCE PARK.LO
69 OLD LITTLE BRITAIN RD.
NEWBURGH, NY

NY Spills S102152080
N/A

Relative:
Lower
Actual:
314 ft.

SPILLS:
Name: CARHART INSURANCE PARK.LO
Address: 69 OLD LITTLE BRITAIN RD.
City,State,Zip: NEWBURGH, NY
Spill Number/Closed Date: 9205964 / 1992-09-01
Facility ID: 9205964
Facility Type: ER
DER Facility ID: 188591
Site ID: 228728
DEC Region: 3
Spill Cause: Human Error
Spill Class: C4
SWIS: 3646
Spill Date: 1992-08-24
Investigator: DVWEHRFR
Referred To: Not reported
Reported to Dept: 1992-08-24
CID: Not reported
Water Affected: Not reported
Spill Source: Commercial Vehicle
Spill Notifier: Responsible Party
Cleanup Ceased: 1992-09-01
Cleanup Meets Std: False
Last Inspection: Not reported
Recommended Penalty: False
UST Trust: False
Remediation Phase: 0
Date Entered In Computer: Not reported
Spill Record Last Update: 2003-12-02
Spiller Name: Not reported
Spiller Company: HOLIDAY INN VEHICLE
Spiller Address: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CARHART INSURANCE PARK.LO (Continued)

S102152080

Spiller Company: 001
Contact Name: Not reported
DEC Memo: "Prior to Sept, 2004 data translation this spill Lead_DEC Field was WEHRFRITZ "
Remarks: "CAR TANK OVERFLOWED (LOOSE CAP) SPILL CONTAINED ON PAVEMENT TOWN APPLIED SAND AND DISPOSED BY HIGHWAY DEPT."

All Materials:
Site ID: 228728
Operable Unit ID: 973219
Operable Unit: 01
Material ID: 410155
Material Code: 0009
Material Name: gasoline
Case No.: Not reported
Material FA: Petroleum
Quantity: 1.00
Units: G
Recovered: .00
Oxygenate: Not reported

5
NW
< 1/8
0.085 mi.
451 ft.

**HEAVEN BOUND CHURCH
61 WILLIAMS ST
NEWBURGH, NY**

**NY Spills S105142269
N/A**

**Relative:
Higher
Actual:
344 ft.**

SPILLS:
Name: HEAVEN BOUND CHURCH
Address: 61 WILLIAMS ST
City,State,Zip: NEWBURGH, NY
Spill Number/Closed Date: 0106356 / 2001-09-18
Facility ID: 0106356
Facility Type: ER
DER Facility ID: 250456
Site ID: 310298
DEC Region: 3
Spill Cause: Equipment Failure
Spill Class: C3
SWIS: 3646
Spill Date: 2001-09-17
Investigator: jkomara
Referred To: Not reported
Reported to Dept: 2001-09-17
CID: 207
Water Affected: Not reported
Spill Source: Institutional, Educational, Gov., Other
Spill Notifier: Other
Cleanup Ceased: Not reported
Cleanup Meets Std: True
Last Inspection: Not reported
Recommended Penalty: False
UST Trust: False
Remediation Phase: 0
Date Entered In Computer: 2001-09-17
Spill Record Last Update: 2001-09-24
Spiller Name: REV TATE

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

HEAVEN BOUND CHURCH (Continued)

S105142269

Spiller Company: HEAVEN BOUND CHURCH
 Spiller Address: 61 WILLIAMS ST
 Spiller Company: 001
 Contact Name: REV TATE
 DEC Memo: "Prior to Sept, 2004 data translation this spill Lead_DEC Field was O'MARA O'MARA INSPECTED SITE. APPEARS TO BE ONLY 5-10 GAL. SPILL. MEG WAS HIRED AND CLEANING UP AT TIME OF INPECTION FOR RP. NO FURTHER ACTION."
 Remarks: "abbott and mills oil heat called meg with information"

All Materials:

Site ID: 310298
 Operable Unit ID: 843270
 Operable Unit: 01
 Material ID: 531217
 Material Code: 0001A
 Material Name: #2 fuel oil
 Case No.: Not reported
 Material FA: Petroleum
 Quantity: 125.00
 Units: G
 Recovered: .00
 Oxygenate: Not reported

6
SSW
< 1/8
0.096 mi.
509 ft.

CENTRAL HUDSON G & E
410 LITTLE BRITTAIN ROAD
NEWBURGH, NY

NY LTANKS S101341405
N/A

Relative:
Lower
Actual:
301 ft.

LTANKS:
 Name: CENTRAL HUDSON G & E
 Address: 410 LITTLE BRITTAIN ROAD
 City,State,Zip: NEWBURGH, NY
 Spill Number/Closed Date: 9410564 / 1995-01-12
 Facility ID: 9410564
 Site ID: 266240
 Spill Date: 1994-11-08
 Spill Cause: Tank Failure
 Spill Source: Commercial/Industrial
 Spill Class: D4
 Cleanup Ceased: 1995-01-12
 SWIS: 3646
 Investigator: DVWEHRFR
 Referred To: Not reported
 Reported to Dept: 1994-11-08
 CID: Not reported
 Water Affected: Not reported
 Spill Notifier: Responsible Party
 Last Inspection: Not reported
 Recommended Penalty: False
 Meets Standard: False
 UST Involvement: True
 Remediation Phase: 0
 Date Entered In Computer: 1994-11-14
 Spill Record Last Update: 1995-01-12
 Spiller Name: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CENTRAL HUDSON G & E (Continued)

S101341405

Spiller Company: Not reported
Spiller Address: Not reported
Spiller County: 001
Spiller Contact: Not reported
Spiller Phone: Not reported
Spiller Extention: Not reported
DEC Region: 3
DER Facility ID: 216975
DEC Memo: "Prior to Sept, 2004 data translation this spill Lead_DEC Field was WEHRFRITZ "
Remarks: "DISCOVERED SOIL IN EXCAVATION OF U/G TANK SYSTEM MEDCAFE & EDDY EXCAVATED SOIL & SAMPLED"

All Materials:
Site ID: 266240
Operable Unit ID: 1008434
Operable Unit: 01
Material ID: 376429
Material Code: 0009
Material Name: gasoline
Case No.: Not reported
Material FA: Petroleum
Quantity: .00
Units: Not reported
Recovered: .00
Oxygenate: Not reported

**B7
SSE
< 1/8
0.097 mi.
513 ft.**

**SPCA
ROUTE 207
NEW WINDSOR, NY**

**NY Spills S104509902
N/A**

Site 1 of 6 in cluster B

**Relative:
Lower
Actual:
310 ft.**

SPILLS:
Name: SPCA
Address: ROUTE 207
City,State,Zip: NEW WINDSOR, NY
Spill Number/Closed Date: 9912949 / 2000-04-04
Facility ID: 9912949
Facility Type: ER
DER Facility ID: 279712
Site ID: 320247
DEC Region: 3
Spill Cause: Equipment Failure
Spill Class: C3
SWIS: 3600
Spill Date: 2000-02-14
Investigator: RICCI
Referred To: Not reported
Reported to Dept: 2000-02-14
CID: 270
Water Affected: Not reported
Spill Source: Commercial/Industrial
Spill Notifier: Affected Persons
Cleanup Ceased: Not reported
Cleanup Meets Std: True
Last Inspection: Not reported

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

SPCA (Continued)

S104509902

Recommended Penalty: False
 UST Trust: False
 Remediation Phase: 0
 Date Entered In Computer: 2000-02-14
 Spill Record Last Update: 2000-04-05
 Spiller Name: STEVE AFFRON
 Spiller Company: SPCA
 Spiller Address: RT 207
 Spiller Company: 001
 Contact Name: STEVE AFFRON
 DEC Memo: ""
 Remarks: "return line broke. "

All Materials:

Site ID: 320247
 Operable Unit ID: 1091672
 Operable Unit: 01
 Material ID: 294807
 Material Code: 0001A
 Material Name: #2 fuel oil
 Case No.: Not reported
 Material FA: Petroleum
 Quantity: 150.00
 Units: G
 Recovered: .00
 Oxygenate: Not reported

B8
SSE
 < 1/8
 0.106 mi.
 560 ft.

BIG SAVER CONVENIENCE STORE
536 LITTLE BRITAIN RD
NEWBURGH, NY 12553

EDR Hist Auto **1021941667**
N/A

Site 2 of 6 in cluster B

Relative: EDR Hist Auto
Lower

Actual:	Year:	Name:	Type:
311 ft.	1994	BIG SAVER CONVENIENCE STORE	Gasoline Service Stations
	1995	BIG SAVER CONVENIENCE STORE	Gasoline Service Stations
	1996	BIG SAVER CONVENIENCE STORE	Gasoline Service Stations
	1997	BIG SAVER CONVENIENCE STORE	Gasoline Service Stations

B9
SSE
 < 1/8
 0.111 mi.
 584 ft.

CUMBERLAND FARMS
602 LITTLE BRITIAN RD
NEW WINDSOR, NY

NY LTANKS **S107416893**
N/A

Site 3 of 6 in cluster B

Relative: LTANKS:
Lower

Actual:

Name:	CUMBERLAND FARMS
Address:	602 LITTLE BRITIAN RD
City,State,Zip:	NEW WINDSOR, NY
Spill Number/Closed Date:	0009792 / 2005-04-14
Facility ID:	0009792
Site ID:	296282
Spill Date:	2000-11-28
Spill Cause:	Tank Failure

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CUMBERLAND FARMS (Continued)

S107416893

Spill Source: Gasoline Station or other PBS Facility
Spill Class: Not reported
Cleanup Ceased: Not reported
SWIS: 3648
Investigator: JYMCCART
Referred To: Not reported
Reported to Dept: 2000-11-29
CID: 390
Water Affected: Not reported
Spill Notifier: Local Agency
Last Inspection: Not reported
Recommended Penalty: False
Meets Standard: False
UST Involvement: True
Remediation Phase: 0
Date Entered In Computer: 2000-11-29
Spill Record Last Update: 2005-04-15
Spiller Name: JORMA WEBER
Spiller Company: CUMBERLAND FARMS .
Spiller Address: 602 LITTLE BRITIAN RD
Spiller County: 001
Spiller Contact: JORMA WEBER
Spiller Phone: (914) 694-5711
Spiller Extention: Not reported
DEC Region: 3
DER Facility ID: 239757
DEC Memo: "Prior to Sept, 2004 data translation this spill Lead_DEC Field was MCCARTHY 7-1-2004 Refer to Spill # 00-11342"
Remarks: "caller reports ground contamination from tanks while doing removal soil will be removed will be live loaded"

All Materials:
Site ID: 296282
Operable Unit ID: 830794
Operable Unit: 01
Material ID: 543728
Material Code: 0009
Material Name: gasoline
Case No.: Not reported
Material FA: Petroleum
Quantity: .00
Units: G
Recovered: .00
Oxygenate: Not reported

B10
SSE
< 1/8
0.111 mi.
584 ft.

CUMBERLAND FARMS
602 LITTLE BRITIAN RD
WINDSOR, NY
Site 4 of 6 in cluster B

NY Spills S104951237
N/A

Relative:
Lower
Actual:
312 ft.

SPILLS:
Name: CUMBERLAND FARMS
Address: 602 LITTLE BRITIAN RD
City,State,Zip: WINDSOR, NY
Spill Number/Closed Date: 0011342 / 2011-02-18
Facility ID: 0011342

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CUMBERLAND FARMS (Continued)

S104951237

Facility Type: ER
DER Facility ID: 274270
Site ID: 296283
DEC Region: 3
Spill Cause: Unknown
Spill Class: C3
SWIS: 3648
Spill Date: 2000-11-29
Investigator: JYMCCART
Referred To: Not reported
Reported to Dept: 2001-01-18
CID: 207
Water Affected: Not reported
Spill Source: Gasoline Station or other PBS Facility
Spill Notifier: Other
Cleanup Ceased: Not reported
Cleanup Meets Std: False
Last Inspection: Not reported
Recommended Penalty: False
UST Trust: False
Remediation Phase: 0
Date Entered In Computer: 2001-01-18
Spill Record Last Update: 2011-02-18
Spiller Name: ANGELA PIMENTAL
Spiller Company: CUMBERLAND FARMS
Spiller Address: 777 DEDHAN ST
Spiller Company: 001
Contact Name: JORMA WEBER
DEC Memo: "Prior to Sept, 2004 data translation this spill Lead_DEC Field was MCCARTHY 01/18/01 D. TRAVER SPOKE W/J. WEBER @ LEGGETTE, BRASHEARS & GRAHAM. SITE REPORT SHOULD BE IN TO OFFICE WITHIN NEXT WEEK OR TWO. PREVIOUS SPILL NUMBER WAS CLOSED OUT. 2-18-11 Closed out based on previous spill #'s 94-14164 & 00-09792. These were both previously closed out by Dolores Wehrritz and Final ISR's submitted. jm"
Remarks: "94-14164 was other spill # - tom mccarthy aware ***** caller h\just called back saying that he found that he called this spill in in november *****"
All Materials:
Site ID: 296283
Operable Unit ID: 832740
Operable Unit: 01
Material ID: 541659
Material Code: 0009
Material Name: gasoline
Case No.: Not reported
Material FA: Petroleum
Quantity: .00
Units: G
Recovered: .00
Oxygenate: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

HAMILTON PROPERTY HOLDINGS (Continued)

U003153236

Modified By: JPCUMMIN
Date Last Modified: 2007-07-31

Site Id: 34245
Affiliation Type: Mail Contact
Company Name: HAMILTON PROPERTY HOLDINGS, INC.
Contact Type: Not reported
Contact Name: DAVID RIVNIAK
Address1: C/O J.E. ROBERT COMPANY,INC.
Address2: 1266 E. MAIN STRET
City: STAMFORD
State: CT
Zip Code: 06902
Country Code: 001
Phone: (203) 363-1135
EMail: Not reported
Fax Number: Not reported
Modified By: TRANSLAT
Date Last Modified: 2004-03-04

Site Id: 34245
Affiliation Type: Facility Operator
Company Name: HAMILTON PROPERTY HOLDINGS
Contact Type: Not reported
Contact Name: NONE
Address1: Not reported
Address2: Not reported
City: Not reported
State: NN
Zip Code: Not reported
Country Code: 001
Phone: Not reported
EMail: Not reported
Fax Number: Not reported
Modified By: TRANSLAT
Date Last Modified: 2004-03-04

Site Id: 34245
Affiliation Type: Emergency Contact
Company Name: HAMILTON PROPERTY HOLDINGS INC.
Contact Type: Not reported
Contact Name: NONE
Address1: Not reported
Address2: Not reported
City: Not reported
State: NN
Zip Code: Not reported
Country Code: 001
Phone: Not reported
EMail: Not reported
Fax Number: Not reported
Modified By: TRANSLAT
Date Last Modified: 2004-03-04

Tank Info:

Tank Number: 1

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

HAMILTON PROPERTY HOLDINGS (Continued)

U003153236

Tank ID: 80054
Tank Status: Temporarily Out of Service
Material Name: Temporarily Out of Service
Capacity Gallons: 2000
Install Date: 12/01/1996
Date Tank Closed: Not reported
Registered: True
Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 0000
Common Name of Substance: Empty

Tightness Test Method: 00
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: TRANSLAT
Last Modified: 04/14/2017

Equipment Records:

A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
B00 - Tank External Protection - None
F00 - Pipe External Protection - None
H00 - Tank Leak Detection - None
I00 - Overfill - None
C02 - Pipe Location - Underground/On-ground
G00 - Tank Secondary Containment - None
J00 - Dispenser - None

Tank Number: 2
Tank ID: 80055
Tank Status: Temporarily Out of Service
Material Name: Temporarily Out of Service
Capacity Gallons: 3000
Install Date: 12/01/1996
Date Tank Closed: Not reported
Registered: True
Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 0000
Common Name of Substance: Empty

Tightness Test Method: 00
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: TRANSLAT
Last Modified: 04/14/2017

Equipment Records:

A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
B00 - Tank External Protection - None
F00 - Pipe External Protection - None
H00 - Tank Leak Detection - None
I00 - Overfill - None

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

HAMILTON PROPERTY HOLDINGS (Continued)

U003153236

G00 - Tank Secondary Containment - None
 C02 - Pipe Location - Underground/On-ground
 J00 - Dispenser - None

Tank Number: 3
 Tank ID: 80056
 Tank Status: Temporarily Out of Service
 Material Name: Temporarily Out of Service
 Capacity Gallons: 4000
 Install Date: 12/01/1996
 Date Tank Closed: Not reported
 Registered: True
 Tank Location: Underground
 Tank Type: Steel/carbon steel
 Material Code: 0000
 Common Name of Substance: Empty

Tightness Test Method: 00
 Date Test: Not reported
 Next Test Date: Not reported
 Pipe Model: Not reported
 Modified By: TRANSLAT
 Last Modified: 04/14/2017

Equipment Records:

A00 - Tank Internal Protection - None
 D01 - Pipe Type - Steel/Carbon Steel/Iron
 B00 - Tank External Protection - None
 F00 - Pipe External Protection - None
 H00 - Tank Leak Detection - None
 I00 - Overfill - None
 C02 - Pipe Location - Underground/On-ground
 G00 - Tank Secondary Containment - None
 J00 - Dispenser - None

13
 SE
 1/8-1/4
 0.126 mi.
 667 ft.

J & H SMITH LIGHT CORP
499 LITTLE BRITAIN RD
NEW WINDSOR, NY 12553

RCRA NonGen / NLR 1000116636
FINDS NYD982180135
ECHO
NY MANIFEST

Relative:
Lower
Actual:
291 ft.

RCRA NonGen / NLR:
 Date form received by agency: 2007-01-01 00:00:00.0
 Facility name: J & H SMITH LIGHT CORP
 Facility address: 499 LITTLE BRITAIN RD
 NEW WINDSOR, NY 12553-6115
 EPA ID: NYD982180135
 Mailing address: PO 1449
 NEWBURGH, NY 12550
 Contact: Not reported
 Contact address: PO 1449
 NEWBURGH, NY 12550
 Contact country: US
 Contact telephone: Not reported
 Contact email: Not reported
 EPA Region: 02
 Classification: Non-Generator

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

J & H SMITH LIGHT CORP (Continued)

1000116636

Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: J & J SMITH LIGHT CORP
Owner/operator address: NOT REQUIRED
NOT REQUIRED, WY 99999
Owner/operator country: US
Owner/operator telephone: 212-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: J & J SMITH LIGHT CORP
Owner/operator address: NOT REQUIRED
NOT REQUIRED, WY 99999
Owner/operator country: US
Owner/operator telephone: 212-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:

Date form received by agency: 2006-01-01 00:00:00.0
Site name: J & H SMITH LIGHT CORP
Classification: Not a generator, verified

Date form received by agency: 1999-07-08 00:00:00.0
Site name: J & H SMITH LIGHT CORP
Classification: Not a generator, verified

Date form received by agency: 1987-04-06 00:00:00.0

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

J & H SMITH LIGHT CORP (Continued)

1000116636

Site name: J & H SMITH LIGHT CORP
Classification: Small Quantity Generator

Hazardous Waste Summary:

. Waste code: F002
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: U226
. Waste name: ETHANE, 1,1,1-TRICHLORO- (OR) METHYL CHLOROFORM

Violation Status: No violations found

FINDS:

Registry ID: 110004414376

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

[Click this hyperlink](#) while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid: 1000116636
Registry ID: 110004414376
DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110004414376>

NY MANIFEST:

Name: J & H SMITH LIGHT CORPORATION
Address: 499 LITTLE BRITAIN RD
City,State,Zip: NEW WINDSOR, NY 12553-6115
Country: USA
EPA ID: NYD982180135
Facility Status: Not reported
Location Address 1: 499 LITTLE BRITAIN ROAD
Code: BP
Location Address 2: Not reported
Total Tanks: Not reported
Location City: NEWBURGH
Location State: NY
Location Zip: 12550
Location Zip 4: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

J & H SMITH LIGHT CORP (Continued)

1000116636

NY MANIFEST:

EPAID: NYD982180135
Mailing Name: J & H SMITH LIGHT CORPORATION
Mailing Contact: J & H SMITH LIGHT CORPORATION
Mailing Address 1: 499 LITTLE BRITAIN ROAD
Mailing Address 2: Not reported
Mailing City: NEWBURGH
Mailing State: NY
Mailing Zip: 12550
Mailing Zip 4: Not reported
Mailing Country: USA
Mailing Phone: 0000000000

NY MANIFEST:

Document ID: MAG2569060
Manifest Status: K
seq: Not reported
Year: 1993
Trans1 State ID: 654975MA
Trans2 State ID: 318977GMD
Generator Ship Date: 06/03/1993
Trans1 Recv Date: 06/03/1993
Trans2 Recv Date: 06/05/1993
TSD Site Recv Date: 06/06/1993
Part A Recv Date: 06/16/1993
Part B Recv Date: 07/01/1993
Generator EPA ID: NYD982180135
Trans1 EPA ID: MAD039322250
Trans2 EPA ID: Not reported
TSDF ID 1: MAD053452637
TSDF ID 2: Not reported
Manifest Tracking Number: Not reported
Import Indicator: Not reported
Export Indicator: Not reported
Discr Quantity Indicator: Not reported
Discr Type Indicator: Not reported
Discr Residue Indicator: Not reported
Discr Partial Reject Indicator: Not reported
Discr Full Reject Indicator: Not reported
Manifest Ref Number: Not reported
Alt Facility RCRA ID: Not reported
Alt Facility Sign Date: Not reported
MGMT Method Type Code: Not reported
Waste Code: F001 - UNKNOWN
Waste Code: Not reported
Waste Code: Not reported
Waste Code: Not reported
Waste Code: Not reported
Waste Code: Not reported
Quantity: 00055
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 001
Container Type: DM - Metal drums, barrels
Handling Method: R Material recovery of more than 75 percent of the total material.
Specific Gravity: 100
Waste Code: D001 - NON-LISTED IGNITABLE WASTES

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

J & H SMITH LIGHT CORP (Continued)

1000116636

Waste Code: Not reported
Waste Code: Not reported
Waste Code: Not reported
Waste Code: Not reported
Quantity: 00005
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 001
Container Type: DF - Fiberboard or plastic drums (glass)
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 100

C14
South
1/8-1/4
0.147 mi.
778 ft.

CHEVRON TEXACO TECHNOLOGY SUITE 200
617 LITTLE BRITAIN RD - SUITE
NEW WINDSOR, NY 12553

NY MANIFEST **S123692755**
N/A

Site 1 of 3 in cluster C

Relative:
Higher

NY MANIFEST:

Name: CHEVRON TEXACO TECHNOLOGY SUITE 200
Address: 617 LITTLE BRITAIN RD - SUITE
City,State,Zip: NEW WINDSOR, NY 12553
Country: USA
EPA ID: NYR000123059
Facility Status: Not reported
Location Address 1: 617 LITTLE BRITTON RD
Code: BP
Location Address 2: Not reported
Total Tanks: Not reported
Location City: NWE WINDSOR
Location State: NY
Location Zip: 12553
Location Zip 4: Not reported

NY MANIFEST:

EPAID: NYR000123059
Mailing Name: CHEVRON TEXACO TECHNOLOGY SUITE 200
Mailing Contact: JOSEPH VALENTINE
Mailing Address 1: 617 LITTLE BRITTON RD
Mailing Address 2: Not reported
Mailing City: NEW WINDSOR
Mailing State: NY
Mailing Zip: 12553
Mailing Zip 4: Not reported
Mailing Country: USA
Mailing Phone: 8455683619

NY MANIFEST:

Document ID: Not reported
Manifest Status: Not reported
seq: Not reported
Year: 2008
Trans1 State ID: NJD080631369
Trans2 State ID: NJD000692064
Generator Ship Date: 02/21/2008
Trans1 Recv Date: 02/21/2008
Trans2 Recv Date: 02/28/2008
TSD Site Recv Date: 02/28/2008

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

CHEVRON TEXACO TECHNOLOGY SUITE 200 (Continued)

S123692755

Part A Recv Date: Not reported
 Part B Recv Date: Not reported
 Generator EPA ID: NYR000123059
 Trans1 EPA ID: Not reported
 Trans2 EPA ID: Not reported
 TSDF ID 1: OHD093945293
 TSDF ID 2: Not reported
 Manifest Tracking Number: 000214363VES
 Import Indicator: N
 Export Indicator: N
 Discr Quantity Indicator: N
 Discr Type Indicator: N
 Discr Residue Indicator: N
 Discr Partial Reject Indicator: N
 Discr Full Reject Indicator: N
 Manifest Ref Number: Not reported
 Alt Facility RCRA ID: Not reported
 Alt Facility Sign Date: Not reported
 MGMT Method Type Code: H061
 Waste Code: Not reported
 Waste Code: Not reported
 Waste Code: Not reported
 Waste Code: Not reported
 Waste Code: Not reported
 Waste Code: Not reported
 Quantity: 1200.0
 Units: P - Pounds
 Number of Containers: 3.0
 Container Type: DM - Metal drums, barrels
 Handling Method: B Incineration, heat recovery, burning.
 Specific Gravity: 1.0
 Waste Code: F003
 Waste Code 1_2: Not reported
 Waste Code 1_3: D001
 Waste Code 1_4: Not reported
 Waste Code 1_5: Not reported
 Waste Code 1_6: Not reported

C15
South
1/8-1/4
0.147 mi.
778 ft.

CHEVRONTEXACO TECHNOLOGY - NY
617 LITTLE BRITAIN RD - SUITE 200
NEW WINDSOR, NY 12553
Site 2 of 3 in cluster C

RCRA-SQG 1007264843
NJ MANIFEST NYR000123059

Relative:
Higher

RCRA-SQG:

Date form received by agency: 2007-01-01 00:00:00.0

Actual:
317 ft.

Facility name: CHEVRONTEXACO TECHNOLOGY - NY
 Facility address: 617 LITTLE BRITAIN RD - SUITE 200
 EAST SECTION BLDG
 NEW WINDSOR, NY 12553

EPA ID: NYR000123059
 Mailing address: LITTLE BRITAIN RD - SUITE 200
 EAST SECTION BLDG
 NEW WINDSOR, NY 12553

Contact: JOSEPH N VALENTINE
 Contact address: LITTLE BRITAIN RD - SUITE 200 EAST SECTION BLDG
 NEW WINDSOR, NY 12553

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CHEVRONTEXACO TECHNOLOGY - NY (Continued)

1007264843

Contact country: US
Contact telephone: 845-568-3619
Contact email: Not reported
EPA Region: 02
Land type: Private
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: GRETAG MACBETH
Owner/operator address: UNKNOWN
UNKNOWN, NY 99999
Owner/operator country: US
Owner/operator telephone: 212-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 1997-04-04 00:00:00.
Owner/Op end date: Not reported

Owner/operator name: CHEVRONTEXACO TECHNOLOGY - NY
Owner/operator address: LITTLE BRITAIN RD - SUITE 200 EAST SECTION BLDG
NEW WINDSOR, NY 12553
Owner/operator country: US
Owner/operator telephone: 845-568-3619
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 2003-09-30 00:00:00.
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
Used oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CHEVRONTEXACO TECHNOLOGY - NY (Continued)

1007264843

Historical Generators:

Date form received by agency: 2006-01-01 00:00:00.0
Site name: CHEVRONTEXACO TECHNOLOGY - NY
Classification: Small Quantity Generator

Date form received by agency: 2004-03-01 00:00:00.0
Site name: CHEVRONTEXACO TECHNOLOGY - NY
Classification: Large Quantity Generator

Hazardous Waste Summary:

- . Waste code: D001
- . Waste name: IGNITABLE WASTE

- . Waste code: D002
- . Waste name: CORROSIVE WASTE

- . Waste code: D003
- . Waste name: REACTIVE WASTE

- . Waste code: D004
- . Waste name: ARSENIC

- . Waste code: D005
- . Waste name: BARIUM

- . Waste code: D006
- . Waste name: CADMIUM

- . Waste code: D007
- . Waste name: CHROMIUM

- . Waste code: D008
- . Waste name: LEAD

Violation Status: No violations found

NJ MANIFEST:

EPA Id: NYR000123059
Mail Address: 617 LITTLE BRITTON RD
Mail City/State/Zip: NEW WINDSOR 12553
Facility Phone: 8455683619
Emergency Phone: Not reported
Contact: JOSEPH VALENTINE
Comments: Not reported
SIC Code: Not reported
County: 00
Municipal: 00
Previous EPA Id: Not reported
Gen Flag: X
Trans Flag: Not reported
TSD Flag: Not reported
Name Change: Not reported
Date Change: Not reported

Manifest:

Manifest Number: NJA4096091

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CHEVRONTEXACO TECHNOLOGY - NY (Continued)

1007264843

EPA ID: NYR000123059
Date Shipped: 05/26/2004
TSDf EPA ID: NJD980536593
Transporter EPA ID: NJD080631369
Transporter 2 EPA ID: Not reported
Transporter 3 EPA ID: Not reported
Transporter 4 EPA ID: Not reported
Transporter 5 EPA ID: Not reported
Transporter 6 EPA ID: Not reported
Transporter 7 EPA ID: Not reported
Transporter 8 EPA ID: Not reported
Transporter 9 EPA ID: Not reported
Transporter 10 EPA ID: Not reported
Date Trans1 Transported Waste: 05/26/2004
Date Trans2 Transported Waste: Not reported
Date Trans3 Transported Waste: Not reported
Date Trans4 Transported Waste: Not reported
Date Trans5 Transported Waste: Not reported
Date Trans6 Transported Waste: Not reported
Date Trans7 Transported Waste: Not reported
Date Trans8 Transported Waste: Not reported
Date Trans9 Transported Waste: Not reported
Date Trans10 Transported Waste: Not reported
Date TSDf Received Waste: 05/26/2004
TSDf EPA Facility Name: Not reported
QTY Units: Not reported
Transporter SEQ ID: Not reported
Transporter-1 Date: Not reported
Waste SEQ ID: Not reported
Waste Type Code 2: Not reported
Waste Type Code 3: Not reported
Waste Type Code 4: Not reported
Waste Type Code 5: Not reported
Waste Type Code 6: Not reported
Date Accepted: Not reported
Manifest Discrepancy Type: Not reported
Data Entry Number: 08050421
Was Load Rejected: NEW WINDSOR 12553
Reason Load Was Rejected: Not reported

C16
South
1/8-1/4
0.147 mi.
778 ft.
Relative:
Higher
Actual:
317 ft.

PRATT INDUSTRIES
617 LITTLE BRITAIN RD
NEW WINDSOR, NY 12553
Site 3 of 3 in cluster C

RCRA-SQG 1000163286
NY SHWS NYD030488266
NY ENG CONTROLS
NY INST CONTROL
ICIS
US AIRS
FINDS
ECHO

RCRA-SQG:
Date form received by agency:2007-01-01 00:00:00.0
Facility name: GRETAG MACBETH LLC
Facility address: 617 LITTLE BRITAIN RD
NEW WINDSOR, NY 12553
EPA ID: NYD030488266
Mailing address: LITTLE BRITAIN RD

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PRATT INDUSTRIES (Continued)

1000163286

NEW WINDSOR, NY 12553
Contact: NICHOLAS COCCHIA
Contact address: LITTLE BRITAIN RD
NEW WINDSOR, NY 12553
Contact country: US
Contact telephone: 914-565-7660
Contact email: Not reported
EPA Region: 02
Land type: Private
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: GRETAG MACBETH HOLDING A G
Owner/operator address: ALTHARSTRASSE 70 CH-8105
REGENSDORF SWITZERLAND, NY 99999
Owner/operator country: US
Owner/operator telephone: 011-411-8421
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: GRETAG MACBETH HOLDING A G
Owner/operator address: ALTHARSTRASSE 70 CH-8105
REGENSDORF SWITZERLAND, NY 99999
Owner/operator country: US
Owner/operator telephone: 011-411-8421
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
Used oil refiner: No
Used oil fuel marketer to burner: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PRATT INDUSTRIES (Continued)

1000163286

Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:

Date form received by agency: 2006-01-01 00:00:00.0
Site name: GRETAG MACBETH LLC
Classification: Small Quantity Generator

Date form received by agency: 2001-01-01 00:00:00.0
Site name: GRETAG MACBETH LLC
Classification: Large Quantity Generator

Date form received by agency: 1999-06-16 00:00:00.0
Site name: GRETAG MACBETH LLC
Classification: Small Quantity Generator

Date form received by agency: 1996-03-18 00:00:00.0
Site name: MACBETH - A DIVISION OF KOLLMORGEN INSTR
Classification: Large Quantity Generator

Date form received by agency: 1994-03-29 00:00:00.0
Site name: MACBETH DIV, KOLLMORGEN INSTRUMENTS CORP
Classification: Large Quantity Generator

Date form received by agency: 1992-02-26 00:00:00.0
Site name: MACBETH
Classification: Large Quantity Generator

Date form received by agency: 1990-03-01 00:00:00.0
Site name: MACBETH A DIVISION OF KOLLMORGEN CORP
Classification: Large Quantity Generator

Hazardous Waste Summary:

. Waste code: D000
. Waste name: Not Defined

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D005
. Waste name: BARIUM

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D008
. Waste name: LEAD

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

. Waste code: F001
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING:
TETRACHLOROETHYLENE, TRICHLORETHYLENE, METHYLENE CHLORIDE,

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PRATT INDUSTRIES (Continued)

1000163286

1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F003

. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F005

. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F017

. Waste name: Not Defined

Facility Has Received Notices of Violations:

Regulation violated: SR - Part 372.2(a),(b)
Area of violation: Generators - General
Date violation determined: 2001-06-05 00:00:00.0
Date achieved compliance: 2001-07-10 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 2001-06-19 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - LABELING 6NYCRR 372.2(8)(I)(A)
Area of violation: Generators - General
Date violation determined: 1999-05-26 00:00:00.0
Date achieved compliance: 1999-06-14 00:00:00.0
Violation lead agency: EPA
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 1999-04-26 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PRATT INDUSTRIES (Continued)

1000163286

Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 1993-05-20 00:00:00.0
Date achieved compliance: 1993-07-30 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 1993-05-20 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 1990-02-01 00:00:00.0
Date achieved compliance: 1990-04-24 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 1990-03-09 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 1986-04-17 00:00:00.0
Date achieved compliance: 1986-10-01 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 1986-07-11 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:
Evaluation date: 2001-06-05 00:00:00.0
Evaluation: WRITTEN INFORMAL
Area of violation: Generators - General
Date achieved compliance: 2001-07-10 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1999-05-25 00:00:00.0
Evaluation: WRITTEN INFORMAL
Area of violation: Generators - General
Date achieved compliance: 1999-06-14 00:00:00.0
Evaluation lead agency: EPA

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PRATT INDUSTRIES (Continued)

1000163286

Evaluation date: 1993-04-14 00:00:00.0
Evaluation: WRITTEN INFORMAL
Area of violation: Generators - General
Date achieved compliance: 1993-07-30 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1990-02-01 00:00:00.0
Evaluation: WRITTEN INFORMAL
Area of violation: Generators - General
Date achieved compliance: 1990-04-24 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1986-04-17 00:00:00.0
Evaluation: WRITTEN INFORMAL
Area of violation: Generators - General
Date achieved compliance: 1986-10-01 00:00:00.0
Evaluation lead agency: State

SHWS:

Name: MACBETH KOLLMORGEN CORP.
Address: 617 LITTLE BRITAIN ROAD
City,State,Zip: NEW WINDSOR, NY 12553
Program: HW
Site Code: 56012
Classification: Site is properly closed - requires continued management.
Region: 3
Acres: 25
HW Code: 336037
Record Add: 11/18/1999
Record Upd: 10/25/2019
Updated By: AMOMOROG

Site Description: Location: The Macbeth Kollmorgen Corporation (a.k.a. Gretag Macbeth Corporation) is located in a suburban portion of Orange County. The site lies about 2.5 miles west of the Hudson River and about 0.5 miles southeast of Lake Washington Reservoir and Lockwood Basin. Site Features: The 25-acre site consists of the manufacturing (main) building, along with a few subsidiary buildings. Current Zoning and Land Use: The site is currently zoned commercial and has been used for the manufacture of instrumentation related to the control of color systems, which includes paint blending and research. The area surrounding the site includes the Central Hudson Gas and Electric Service Center to the north and a combination of residential and commercial properties to the east and west, with woodlands to the south. Past Use of the Site: During the mid 1970 s wastes consisting of off-spec paint and chlorinated solvents were believed to be disposed of out the side door of the main building. Site Geology and Hydrogeology: The overburden at the Macbeth site consists of unconsolidated glacial till which is composed of fine to coarse sands, gravel and silt. Thickness of the overburden at the site ranges from 11 to 30 feet below grade. Bedrock underlying the site is the Stissing Dolostone member of the Wappinger Group. Groundwater occurs in the glacial till overburden and within the bedrock underlying the site. Groundwater flow in the shallow and intermediate bedrock zone is generally flowing towards the north and western directions. Groundwater flow in the deep bedrock zone is generally flowing towards the north. Historically, groundwater flow in the shallow and intermediate bedrock is towards the north. However, groundwater flow in the deep bedrock alternates between northern and

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PRATT INDUSTRIES (Continued)

1000163286

southern flow.

Env Problem: Nature and Extent of Contamination: Remediation at the site is complete. Prior to remediation, the primary contaminants of concern were trichloroethene (TCE), chloroethane, 1,1-dichloroethane (1,1-DCA), 1,2-dichloroethene (1,2-DCE) and 1,1,1-trichloroethane (TCA) in the groundwater. Residual contamination in the groundwater is being managed under a Site Management Plan.

Health Problem: The improper disposal of solvent wastes on Macbeth property resulted in the contamination of on-site and off-site groundwater. In 1990, solvent contamination was detected in several private drinking water wells serving homes on the perimeter of the site. Macbeth Corporation connected four homes with contaminated wells to public water and installed a carbon filtration system on one private well where the levels of solvent contamination exceeded standards for public drinking water supplies. Quarterly sampling has been discontinued at two other private wells servicing homes located near the Macbeth facility as contaminants related to the site have not been detected in these wells. Macbeth Corporation plans to conduct additional investigations to determine the potential for vapor intrusion into structures on or near the site.

Dump: True
Structure: False
Lagoon: False
Landfill: False
Pond: False
Disp Start: 1952
Disp Term: 1980
Lat/Long: 41:29:31:0 / 74:03:23:0
Dell: False
Record Add: 1999-11-18 12:00:00
Record Upd: 2011-02-28 13:31:00
Updated By: JXCANDIL
Own Op: On-Site Operator
Sub Type: E
Owner Name: Not reported
Owner Company: KOLLMORGEN INSTRUMENTS CORPORATION
Owner Address: 405-415 LITTLE BRITAIN RD.
Owner Addr2: Not reported
Owner City,St,Zip: NEW WINDSOR, NY 12550
Owner Country: United States of America
Own Op: Owner
Sub Type: 02
Owner Name: Jack Baratta
Owner Company: Empire Properties
Owner Address: 176 West Parkway
Owner Addr2: Not reported
Owner City,St,Zip: Pompton Plains, NJ 07444
Owner Country: United States of America
HW Code: 336037
Waste Type: TOLUENE (F005)
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: 336037
Waste Type: XYLENE
Waste Quantity: "
Waste Code: Not reported
HW Code: 336037

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PRATT INDUSTRIES (Continued)

1000163286

Waste Type: TETRACHLOROETHYLENE (PCE) (F001, F002)
Waste Quantity: "
Waste Code: Not reported
HW Code: 336037
Waste Type: TRICHLOROETHYLENE (TCE) (F001, F002)
Waste Quantity: "
Waste Code: Not reported
HW Code: 336037
Waste Type: CARBON TETRACHLORIDE
Waste Quantity: UNKNOWN
Waste Code: Not reported
Crossref ID: NYD030488266
Cross Ref Type Code: 05
Cross Ref Type: EPA Site ID
Record Added Date: 2001-05-10 16:31:00
Record Updated: 2005-02-24 15:54:00
Updated By: REGTRANS
Crossref ID: 3-601016
Cross Ref Type Code: 18
Cross Ref Type: PBS No.
Record Added Date: 2013-10-02 17:31:00
Record Updated: 2013-10-02 17:31:00
Updated By: JPCUMMIN

ENG CONTROLS:

Name: MACBETH KOLLMORGEN CORP.
Address: 617 LITTLE BRITAIN ROAD
City,State,Zip: NEW WINDSOR, NY 12553
Site Code: 56012
HW Code: 336037
Control Code: 11
Control Type: ENG
Date Record Added: 06/12/2012
Date Rec Updated: 10/23/2018
Updated By: JJTEETER
Site Description: Location: The Macbeth Kollmorgen Corporation (a.k.a. Gretag Macbeth Corporation) is located in a suburban portion of Orange County. The site lies about 2.5 miles west of the Hudson River and about 0.5 miles southeast of Lake Washington Reservoir and Lockwood Basin. Site Features: The 25-acre site consists of the manufacturing (main) building, along with a few subsidiary buildings. Current Zoning and Land Use: The site is currently zoned commercial and has been used for the manufacture of instrumentation related to the control of color systems, which includes paint blending and research. The area surrounding the site includes the Central Hudson Gas and Electric Service Center to the north and a combination of residential and commercial properties to the east and west, with woodlands to the south. Past Use of the Site: During the mid 1970 s wastes consisting of off-spec paint and chlorinated solvents were believed to be disposed of out the side door of the main building. Site Geology and Hyrdogeology: The overburden at the Macbeth site consists of unconsolidated glacial till which is composed of fine to coarse sands, gravel and silt. Thickness of the overburden at the site ranges from 11 to 30 feet below grade. Bedrock underlying the site is the Stissing Dolostone member of the Wappinger Group. Groundwater occurs in the glacial till overburden and within the bedrock underlying the site. Groundwater flow in the shallow and intermediate

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

PRATT INDUSTRIES (Continued)

1000163286

bedrock zone is generally flowing towards the north and western directions. Groundwater flow in the deep bedrock zone is generally flowing towards the north. Historically, groundwater flow in the shallow and intermediate bedrock is towards the north. However, groundwater flow in the deep bedrock alternates between northern and southern flow.

Env Problem: Nature and Extent of Contamination: Remediation at the site is complete. Prior to remediation, the primary contaminants of concern were trichloroethene (TCE), chloroethane, 1,1-dichloroethane (1,1-DCA), 1,2-dichloroethene (1,2-DCE) and 1,1,1-trichloroethane (TCA) in the groundwater. Residual contamination in the groundwater is being managed under a Site Management Plan.

Health Problem: The improper disposal of solvent wastes on Macbeth property resulted in the contamination of on-site and off-site groundwater. In 1990, solvent contamination was detected in several private drinking water wells serving homes on the perimeter of the site. Macbeth Corporation connected four homes with contaminated wells to public water and installed a carbon filtration system on one private well where the levels of solvent contamination exceeded standards for public drinking water supplies. Quarterly sampling has been discontinued at two other private wells servicing homes located near the Macbeth facility as contaminants related to the site have not been detected in these wells. Macbeth Corporation plans to conduct additional investigations to determine the potential for vapor intrusion into structures on or near the site.

Dump: True
 Structure: False
 Lagoon: False
 Landfill: False
 Pond: False
 Disp Start: 1952
 Disp Term: 1980
 Lat/Long: 41:29:31:0 / 74:03:23:0
 Dell: False
 Record Add: 1999-11-18 12:00:00
 Record Upd: 2011-02-28 13:31:00
 Updated By: JXCANDIL
 Own Op: On-Site Operator
 Sub Type: E
 Owner Name: Not reported
 Owner Company: KOLLMORGEN INSTRUMENTS CORPORATION
 Owner Address: 405-415 LITTLE BRITAIN RD.
 Owner Addr2: Not reported
 Owner City,St,Zip: NEW WINDSOR, NY 12550
 Owner Country: United States of America
 Own Op: Owner
 Sub Type: 02
 Owner Name: Jack Baratta
 Owner Company: Empire Properties
 Owner Address: 176 West Parkway
 Owner Addr2: Not reported
 Owner City,St,Zip: Pompton Plains, NJ 07444
 Owner Country: United States of America
 HW Code: 336037
 Waste Type: TOLUENE (F005)
 Waste Quantity: UNKNOWN
 Waste Code: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PRATT INDUSTRIES (Continued)

1000163286

HW Code: 336037
Waste Type: XYLENE
Waste Quantity: "
Waste Code: Not reported
HW Code: 336037
Waste Type: TETRACHLOROETHYLENE (PCE) (F001, F002)
Waste Quantity: "
Waste Code: Not reported
HW Code: 336037
Waste Type: TRICHLOROETHYLENE (TCE) (F001, F002)
Waste Quantity: "
Waste Code: Not reported
HW Code: 336037
Waste Type: CARBON TETRACHLORIDE
Waste Quantity: UNKNOWN
Waste Code: Not reported
Crossref ID: NYD030488266
Cross Ref Type Code: 05
Cross Ref Type: EPA Site ID
Record Added Date: 2001-05-10 16:31:00
Record Updated: 2005-02-24 15:54:00
Updated By: REGTRANS
Crossref ID: 3-601016
Cross Ref Type Code: 18
Cross Ref Type: PBS No.
Record Added Date: 2013-10-02 17:31:00
Record Updated: 2013-10-02 17:31:00
Updated By: JPCUMMIN

INST CONTROL:

Name: MACBETH KOLLMORGEN CORP.
Address: 617 LITTLE BRITAIN ROAD
City,State,Zip: NEW WINDSOR, NY 12553
Site Code: 56012
Control Name: Landuse Restriction
HW Code: 336037
Control Code: 25
Control Type: INST
Dt record added: 06/12/2012
Dt rec updated: 10/23/2018
Updated By: JJTEETER
Site Code: 56012
Site Description: Location: The Macbeth Kollmorgen Corporation (a.k.a. Gretag Macbeth Corporation) is located in a suburban portion of Orange County. The site lies about 2.5 miles west of the Hudson River and about 0.5 miles southeast of Lake Washington Reservoir and Lockwood Basin. Site Features: The 25-acre site consists of the manufacturing (main) building, along with a few subsidiary buildings. Current Zoning and Land Use: The site is currently zoned commercial and has been used for the manufacture of instrumentation related to the control of color systems, which includes paint blending and research. The area surrounding the site includes the Central Hudson Gas and Electric Service Center to the north and a combination of residential and commercial properties to the east and west, with woodlands to the south. Past Use of the Site: During the mid 1970 s wastes consisting of off-spec paint and chlorinated solvents were believed to be disposed of out the side door of the main building. Site Geology and

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PRATT INDUSTRIES (Continued)

1000163286

Hydrogeology: The overburden at the Macbeth site consists of unconsolidated glacial till which is composed of fine to coarse sands, gravel and silt. Thickness of the overburden at the site ranges from 11 to 30 feet below grade. Bedrock underlying the site is the Stissing Dolostone member of the Wappinger Group. Groundwater occurs in the glacial till overburden and within the bedrock underlying the site. Groundwater flow in the shallow and intermediate bedrock zone is generally flowing towards the north and western directions. Groundwater flow in the deep bedrock zone is generally flowing towards the north. Historically, groundwater flow in the shallow and intermediate bedrock is towards the north. However, groundwater flow in the deep bedrock alternates between northern and southern flow.

Env Problem: Nature and Extent of Contamination: Remediation at the site is complete. Prior to remediation, the primary contaminants of concern were trichloroethene (TCE), chloroethane, 1,1-dichloroethane (1,1-DCA), 1,2-dichloroethene (1,2-DCE) and 1,1,1-trichloroethane (TCA) in the groundwater. Residual contamination in the groundwater is being managed under a Site Management Plan.

Health Problem: The improper disposal of solvent wastes on Macbeth property resulted in the contamination of on-site and off-site groundwater. In 1990, solvent contamination was detected in several private drinking water wells serving homes on the perimeter of the site. Macbeth Corporation connected four homes with contaminated wells to public water and installed a carbon filtration system on one private well where the levels of solvent contamination exceeded standards for public drinking water supplies. Quarterly sampling has been discontinued at two other private wells servicing homes located near the Macbeth facility as contaminants related to the site have not been detected in these wells. Macbeth Corporation plans to conduct additional investigations to determine the potential for vapor intrusion into structures on or near the site.

Dump: True
Structure: False
Lagoon: False
Landfill: False
Pond: False
Disp Start: 1952
Disp Term: 1980
Lat/Long: 41:29:31:0 / 74:03:23:0
Dell: False
Record Add: 1999-11-18 12:00:00
Record Upd: 2011-02-28 13:31:00
Updated By: JXCANDIL
Own Op: On-Site Operator
Sub Type: E
Owner Name: Not reported
Owner Company: KOLLMORGEN INSTRUMENTS CORPORATION
Owner Address: 405-415 LITTLE BRITAIN RD.
Owner Addr2: Not reported
Owner City,St,Zip: NEW WINDSOR, NY 12550
Owner Country: United States of America
Own Op: Owner
Sub Type: 02
Owner Name: Jack Baratta
Owner Company: Empire Properties
Owner Address: 176 West Parkway

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PRATT INDUSTRIES (Continued)

1000163286

Owner Addr2: Not reported
Owner City,St,Zip:Pompton Plains, NJ 07444
Owner Country: United States of America
HW Code: 336037
Waste Type: TOLUENE (F005)
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: 336037
Waste Type: XYLENE
Waste Quantity: "
Waste Code: Not reported
HW Code: 336037
Waste Type: TETRACHLOROETHYLENE (PCE) (F001, F002)
Waste Quantity: "
Waste Code: Not reported
HW Code: 336037
Waste Type: TRICHLOROETHYLENE (TCE) (F001, F002)
Waste Quantity: "
Waste Code: Not reported
HW Code: 336037
Waste Type: CARBON TETRACHLORIDE
Waste Quantity: UNKNOWN
Waste Code: Not reported
Crossref ID: NYD030488266
Cross Ref Type Code:
Cross Ref Type: EPA Site ID
Record Added Date: 2001-05-10 16:31:00
Record Updated: 2005-02-24 15:54:00
Updated By: REGTRANS
Crossref ID: 3-601016
Cross Ref Type Code:
Cross Ref Type: PBS No.
Record Added Date: 2013-10-02 17:31:00
Record Updated: 2013-10-02 17:31:00
Updated By: JPCUMMIN

Name: MACBETH KOLLMORGEN CORP.
Address: 617 LITTLE BRITAIN ROAD
City,State,Zip: NEW WINDSOR, NY 12553
Site Code: 56012
Control Name: Site Management Plan
HW Code: 336037
Control Code: 32
Control Type: INST
Dt record added: 06/12/2012
Dt rec updated: 10/23/2018
Updated By: JJTEETER
Site Code: 56012
Site Description: Location: The Macbeth Kollmorgen Corporation (a.k.a. Gretag Macbeth Corporation) is located in a suburban portion of Orange County. The site lies about 2.5 miles west of the Hudson River and about 0.5 miles southeast of Lake Washington Reservoir and Lockwood Basin. Site Features: The 25-acre site consists of the manufacturing (main) building, along with a few subsidiary buildings. Current Zoning and Land Use: The site is currently zoned commercial and has been used for the manufacture of instrumentation related to the control of color systems, which includes paint blending and research. The area

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PRATT INDUSTRIES (Continued)

1000163286

surrounding the site includes the Central Hudson Gas and Electric Service Center to the north and a combination of residential and commercial properties to the east and west, with woodlands to the south. Past Use of the Site: During the mid 1970 s wastes consisting of off-spec paint and chlorinated solvents were believed to be disposed of out the side door of the main building. Site Geology and Hyrdogeology: The overburden at the Macbeth site consists of unconsolidated glacial till which is composed of fine to coarse sands, gravel and silt. Thickness of the overburden at the site ranges from 11 to 30 feet below grade. Bedrock underlying the site is the Stissing Dolostone member of the Wappinger Group. Groundwater occurs in the glacial till overburden and within the bedrock underlying the site. Groundwater flow in the shallow and intermediate bedrock zone is generally flowing towards the north and western directions. Groundwater flow in the deep bedrock zone is generally flowing towards the north. Hitorically, groundwater flow in the shallow and intermediate bedrock is towards the north. However, groundwater flow in the deep bedrock alternates between northern and southern flow.

Env Problem: Nature and Extent of Contamination: Remediation at the site is complete. Prior to remediation, the primary contaminants of concern were trichloroethene (TCE), chloroethane, 1,1-dichloroethane (1,1-DCA), 1,2-dichloroethene (1,2-DCE) and 1,1,1-trichloroethane (TCA) in the groundwater. Residual contamination in the groundwater is being managed under a Site Management Plan.

Health Problem: The improper disposal of solvent wastes on Macbeth property resulted in the contamination of on-site and off-site groundwater. In 1990, solvent contamination was detected in several private drinking water wells serving homes on the perimeter of the site. Macbeth Corporation connected four homes with contaminated wells to public water and installed a carbon filtration system on one private well where the levels of solvent contamination exceeded standards for public drinking water supplies. Quarterly sampling has been discontinued at two other private wells servicing homes located near the Macbeth facility as contaminants related to the site have not been detected in these wells. Macbeth Corporation plans to conduct additional investigations to determine the potential for vapor intrusion into structures on or near the site.

Dump: True
Structure: False
Lagoon: False
Landfill: False
Pond: False
Disp Start: 1952
Disp Term: 1980
Lat/Long: 41:29:31:0 / 74:03:23:0
Dell: False
Record Add: 1999-11-18 12:00:00
Record Upd: 2011-02-28 13:31:00
Updated By: JXCANDIL
Own Op: On-Site Operator
Sub Type: E
Owner Name: Not reported
Owner Company: KOLLMORGEN INSTRUMENTS CORPORATION
Owner Address: 405-415 LITTLE BRITAIN RD.
Owner Addr2: Not reported
Owner City,St,Zip:NEW WINDSOR, NY 12550

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PRATT INDUSTRIES (Continued)

1000163286

Owner Country: United States of America
Own Op: Owner
Sub Type: 02
Owner Name: Jack Baratta
Owner Company: Empire Properties
Owner Address: 176 West Parkway
Owner Addr2: Not reported
Owner City,St,Zip: Pompton Plains, NJ 07444
Owner Country: United States of America
HW Code: 336037
Waste Type: TOLUENE (F005)
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: 336037
Waste Type: XYLENE
Waste Quantity: "
Waste Code: Not reported
HW Code: 336037
Waste Type: TETRACHLOROETHYLENE (PCE) (F001, F002)
Waste Quantity: "
Waste Code: Not reported
HW Code: 336037
Waste Type: TRICHLOROETHYLENE (TCE) (F001, F002)
Waste Quantity: "
Waste Code: Not reported
HW Code: 336037
Waste Type: CARBON TETRACHLORIDE
Waste Quantity: UNKNOWN
Waste Code: Not reported
Crossref ID: NYD030488266
Cross Ref Type Code:
Cross Ref Type: EPA Site ID
Record Added Date: 2001-05-10 16:31:00
Record Updated: 2005-02-24 15:54:00
Updated By: REGTRANS
Crossref ID: 3-601016
Cross Ref Type Code:
Cross Ref Type: PBS No.
Record Added Date: 2013-10-02 17:31:00
Record Updated: 2013-10-02 17:31:00
Updated By: JPCUMMIN

Name: MACBETH KOLLMORGEN CORP.
Address: 617 LITTLE BRITAIN ROAD
City,State,Zip: NEW WINDSOR, NY 12553
Site Code: 56012
Control Name: Ground Water Use Restriction
HW Code: 336037
Control Code: 08
Control Type: INST
Dt record added: 06/12/2012
Dt rec updated: 10/23/2018
Updated By: JJTEETER
Site Code: 56012
Site Description: Location: The Macbeth Kollmorgen Corporation (a.k.a. Gretag Macbeth Corporation) is located in a suburban portion of Orange County. The site lies about 2.5 miles west of the Hudson River and about 0.5

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PRATT INDUSTRIES (Continued)

1000163286

miles southeast of Lake Washington Reservoir and Lockwood Basin. Site Features: The 25-acre site consists of the manufacturing (main building, along with a few subsidiary buildings. Current Zoning and Land Use: The site is currently zoned commercial and has been used for the manufacture of instrumentation related to the control of color systems, which includes paint blending and research. The area surrounding the site includes the Central Hudson Gas and Electric Service Center to the north and a combination of residential and commercial properties to the east and west, with woodlands to the south. Past Use of the Site: During the mid 1970 s wastes consisting of off-spec paint and chlorinated solvents were believed to be disposed of out the side door of the main building. Site Geology and Hyrdogeology: The overburden at the Macbeth site consists of unconsolidated glacial till which is composed of fine to coarse sands, gravel and silt. Thickness of the overburden at the site ranges from 11 to 30 feet below grade. Bedrock underlying the site is the Stissing Dolostone member of the Wappinger Group. Groundwater occurs in the glacial till overburden and within the bedrock underlying the site. Groundwater flow in the shallow and intermediate bedrock zone is generally flowing towards the north and western directions. Groundwater flow in the deep bedrock zone is generally flowing towards the north. Hitorically, groundwater flow in the shallow and intermediate bedrock is towards the north. However, groundwater flow in the deep bedrock alternates between northern and southern flow.

Env Problem: Nature and Extent of Contamination: Remediation at the site is complete. Prior to remediation, the primary contaminants of concern were trichloroethene (TCE), chloroethane, 1,1-dichloroethane (1,1-DCA), 1,2-dichloroethene (1,2-DCE) and 1,1,1-trichloroethane (TCA) in the groundwater. Residual contamination in the groundwater is being managed under a Site Management Plan.

Health Problem: The improper disposal of solvent wastes on Macbeth property resulted in the contamination of on-site and off-site groundwater. In 1990, solvent contamination was detected in several private drinking water wells serving homes on the perimeter of the site. Macbeth Corporation connected four homes with contaminated wells to public water and installed a carbon filtration system on one private well where the levels of solvent contamination exceeded standards for public drinking water supplies. Quarterly sampling has been discontinued at two other private wells servicing homes located near the Macbeth facility as contaminants related to the site have not been detected in these wells. Macbeth Corporation plans to conduct additional investigations to determine the potential for vapor intrusion into structures on or near the site.

Dump: True
Structure: False
Lagoon: False
Landfill: False
Pond: False
Disp Start: 1952
Disp Term: 1980
Lat/Long: 41:29:31:0 / 74:03:23:0
Dell: False
Record Add: 1999-11-18 12:00:00
Record Upd: 2011-02-28 13:31:00
Updated By: JXCANDIL
Own Op: On-Site Operator

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PRATT INDUSTRIES (Continued)

1000163286

Sub Type: E
Owner Name: Not reported
Owner Company: KOLLMORGEN INSTRUMENTS CORPORATION
Owner Address: 405-415 LITTLE BRITAIN RD.
Owner Addr2: Not reported
Owner City,St,Zip:NEW WINDSOR, NY 12550
Owner Country: United States of America
Own Op: Owner
Sub Type: 02
Owner Name: Jack Baratta
Owner Company: Empire Properties
Owner Address: 176 West Parkway
Owner Addr2: Not reported
Owner City,St,Zip:Pompton Plains, NJ 07444
Owner Country: United States of America
HW Code: 336037
Waste Type: TOLUENE (F005)
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: 336037
Waste Type: XYLENE
Waste Quantity: "
Waste Code: Not reported
HW Code: 336037
Waste Type: TETRACHLOROETHYLENE (PCE) (F001, F002)
Waste Quantity: "
Waste Code: Not reported
HW Code: 336037
Waste Type: TRICHLOROETHYLENE (TCE) (F001, F002)
Waste Quantity: "
Waste Code: Not reported
HW Code: 336037
Waste Type: CARBON TETRACHLORIDE
Waste Quantity: UNKNOWN
Waste Code: Not reported
Crossref ID: NYD030488266
Cross Ref Type Code:
Cross Ref Type: EPA Site ID
Record Added Date: 2001-05-10 16:31:00
Record Updated: 2005-02-24 15:54:00
Updated By: REGTRANS
Crossref ID: 3-601016
Cross Ref Type Code:
Cross Ref Type: PBS No.
Record Added Date: 2013-10-02 17:31:00
Record Updated: 2013-10-02 17:31:00
Updated By: JPCUMMIN

Name: MACBETH KOLLMORGEN CORP.
Address: 617 LITTLE BRITAIN ROAD
City,State,Zip: NEW WINDSOR, NY 12553
Site Code: 56012
Control Name: Monitoring Plan
HW Code: 336037
Control Code: 31
Control Type: INST
Dt record added: 06/12/2012

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PRATT INDUSTRIES (Continued)

1000163286

Dt rec updated: 10/23/2018

Updated By: JJTEETER

Site Code: 56012

Site Description: Location: The Macbeth Kollmorgen Corporation (a.k.a. Gretag Macbeth Corporation) is located in a suburban portion of Orange County. The site lies about 2.5 miles west of the Hudson River and about 0.5 miles southeast of Lake Washington Reservoir and Lockwood Basin. Site Features: The 25-acre site consists of the manufacturing (main) building, along with a few subsidiary buildings. Current Zoning and Land Use: The site is currently zoned commercial and has been used for the manufacture of instrumentation related to the control of color systems, which includes paint blending and research. The area surrounding the site includes the Central Hudson Gas and Electric Service Center to the north and a combination of residential and commercial properties to the east and west, with woodlands to the south. Past Use of the Site: During the mid 1970 s wastes consisting of off-spec paint and chlorinated solvents were believed to be disposed of out the side door of the main building. Site Geology and Hyrdogeology: The overburden at the Macbeth site consists of unconsolidated glacial till which is composed of fine to coarse sands, gravel and silt. Thickness of the overburden at the site ranges from 11 to 30 feet below grade. Bedrock underlying the site is the Stissing Dolostone member of the Wappinger Group. Groundwater occurs in the glacial till overburden and within the bedrock underlying the site. Groundwater flow in the shallow and intermediate bedrock zone is generally flowing towards the north and western directions. Groundwater flow in the deep bedrock zone is generally flowing towards the north. Hitorically, groundwater flow in the shallow and intermediate bedrock is towards the north. However, groundwater flow in the deep bedrock alternates between northern and southern flow.

Env Problem: Nature and Extent of Contamination: Remediation at the site is complete. Prior to remediation, the primary contaminants of concern were trichloroethene (TCE), chloroethane, 1,1-dichloroethane (1,1-DCA), 1,2-dichloroethene (1,2-DCE) and 1,1,1-trichloroethane (TCA) in the groundwater. Residual contamination in the groundwater is being managed under a Site Management Plan.

Health Problem: The improper disposal of solvent wastes on Macbeth property resulted in the contamination of on-site and off-site groundwater. In 1990, solvent contamination was detected in several private drinking water wells serving homes on the perimeter of the site. Macbeth Corporation connected four homes with contaminated wells to public water and installed a carbon filtration system on one private well where the levels of solvent contamination exceeded standards for public drinking water supplies. Quarterly sampling has been discontinued at two other private wells servicing homes located near the Macbeth facility as contaminants related to the site have not been detected in these wells. Macbeth Corporation plans to conduct additional investigations to determine the potential for vapor intrusion into structures on or near the site.

Dump: True

Structure: False

Lagoon: False

Landfill: False

Pond: False

Disp Start: 1952

Disp Term: 1980

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PRATT INDUSTRIES (Continued)

1000163286

Lat/Long: 41:29:31:0 / 74:03:23:0
Dell: False
Record Add: 1999-11-18 12:00:00
Record Upd: 2011-02-28 13:31:00
Updated By: JXCANDIL
Own Op: On-Site Operator
Sub Type: E
Owner Name: Not reported
Owner Company: KOLLMORGEN INSTRUMENTS CORPORATION
Owner Address: 405-415 LITTLE BRITAIN RD.
Owner Addr2: Not reported
Owner City,St,Zip: NEW WINDSOR, NY 12550
Owner Country: United States of America
Own Op: Owner
Sub Type: 02
Owner Name: Jack Baratta
Owner Company: Empire Properties
Owner Address: 176 West Parkway
Owner Addr2: Not reported
Owner City,St,Zip: Pompton Plains, NJ 07444
Owner Country: United States of America
HW Code: 336037
Waste Type: TOLUENE (F005)
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: 336037
Waste Type: XYLENE
Waste Quantity: "
Waste Code: Not reported
HW Code: 336037
Waste Type: TETRACHLOROETHYLENE (PCE) (F001, F002)
Waste Quantity: "
Waste Code: Not reported
HW Code: 336037
Waste Type: TRICHLOROETHYLENE (TCE) (F001, F002)
Waste Quantity: "
Waste Code: Not reported
HW Code: 336037
Waste Type: CARBON TETRACHLORIDE
Waste Quantity: UNKNOWN
Waste Code: Not reported
Crossref ID: NYD030488266
Cross Ref Type Code: 05
Cross Ref Type: EPA Site ID
Record Added Date: 2001-05-10 16:31:00
Record Updated: 2005-02-24 15:54:00
Updated By: REGTRANS
Crossref ID: 3-601016
Cross Ref Type Code: 06
Cross Ref Type: PBS No.
Record Added Date: 2013-10-02 17:31:00
Record Updated: 2013-10-02 17:31:00
Updated By: JPCUMMIN

Name: MACBETH KOLLMORGEN CORP.
Address: 617 LITTLE BRITAIN ROAD
City,State,Zip: NEW WINDSOR, NY 12553

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PRATT INDUSTRIES (Continued)

1000163286

Site Code: 56012
Control Name: IC/EC Plan
HW Code: 336037
Control Code: 34
Control Type: INST
Dt record added: 06/12/2012
Dt rec updated: 10/23/2018
Updated By: JJTEETER
Site Code: 56012
Site Description: Location: The Macbeth Kollmorgen Corporation (a.k.a. Gretag Macbeth Corporation) is located in a suburban portion of Orange County. The site lies about 2.5 miles west of the Hudson River and about 0.5 miles southeast of Lake Washington Reservoir and Lockwood Basin. Site Features: The 25-acre site consists of the manufacturing (main) building, along with a few subsidiary buildings. Current Zoning and Land Use: The site is currently zoned commercial and has been used for the manufacture of instrumentation related to the control of color systems, which includes paint blending and research. The area surrounding the site includes the Central Hudson Gas and Electric Service Center to the north and a combination of residential and commercial properties to the east and west, with woodlands to the south. Past Use of the Site: During the mid 1970 s wastes consisting of off-spec paint and chlorinated solvents were believed to be disposed of out the side door of the main building. Site Geology and Hyrdogeology: The overburden at the Macbeth site consists of unconsolidated glacial till which is composed of fine to coarse sands, gravel and silt. Thickness of the overburden at the site ranges from 11 to 30 feet below grade. Bedrock underlying the site is the Stissing Dolostone member of the Wappinger Group. Groundwater occurs in the glacial till overburden and within the bedrock underlying the site. Groundwater flow in the shallow and intermediate bedrock zone is generally flowing towards the north and western directions. Groundwater flow in the deep bedrock zone is generally flowing towards the north. Hitorically, groundwater flow in the shallow and intermediate bedrock is towards the north. However, groundwater flow in the deep bedrock alternates between northern and southern flow.

Env Problem: Nature and Extent of Contamination: Remediation at the site is complete. Prior to remediation, the primary contaminants of concern were trichloroethene (TCE), chloroethane, 1,1-dichloroethane (1,1-DCA), 1,2-dichloroethene (1,2-DCE) and 1,1,1-trichloroethane (TCA) in the groundwater. Residual contamination in the groundwater is being managed under a Site Management Plan.

Health Problem: The improper disposal of solvent wastes on Macbeth property resulted in the contamination of on-site and off-site groundwater. In 1990, solvent contamination was detected in several private drinking water wells serving homes on the perimeter of the site. Macbeth Corporation connected four homes with contaminated wells to public water and installed a carbon filtration system on one private well where the levels of solvent contamination exceeded standards for public drinking water supplies. Quarterly sampling has been discontinued at two other private wells servicing homes located near the Macbeth facility as contaminants related to the site have not been detected in these wells. Macbeth Corporation plans to conduct additional investigations to determine the potential for vapor intrusion into structures on or near the site.

Dump: True

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PRATT INDUSTRIES (Continued)

1000163286

Structure: False
Lagoon: False
Landfill: False
Pond: False
Disp Start: 1952
Disp Term: 1980
Lat/Long: 41:29:31:0 / 74:03:23:0
Dell: False
Record Add: 1999-11-18 12:00:00
Record Upd: 2011-02-28 13:31:00
Updated By: JXCANDIL
Own Op: On-Site Operator
Sub Type: E
Owner Name: Not reported
Owner Company: KOLLMORGEN INSTRUMENTS CORPORATION
Owner Address: 405-415 LITTLE BRITAIN RD.
Owner Addr2: Not reported
Owner City,St,Zip:NEW WINDSOR, NY 12550
Owner Country: United States of America
Own Op: Owner
Sub Type: 02
Owner Name: Jack Baratta
Owner Company: Empire Properties
Owner Address: 176 West Parkway
Owner Addr2: Not reported
Owner City,St,Zip:Pompton Plains, NJ 07444
Owner Country: United States of America
HW Code: 336037
Waste Type: TOLUENE (F005)
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: 336037
Waste Type: XYLENE
Waste Quantity: "
Waste Code: Not reported
HW Code: 336037
Waste Type: TETRACHLOROETHYLENE (PCE) (F001, F002)
Waste Quantity: "
Waste Code: Not reported
HW Code: 336037
Waste Type: TRICHLOROETHYLENE (TCE) (F001, F002)
Waste Quantity: "
Waste Code: Not reported
HW Code: 336037
Waste Type: CARBON TETRACHLORIDE
Waste Quantity: UNKNOWN
Waste Code: Not reported
Crossref ID: NYD030488266
Cross Ref Type Code:
Cross Ref Type: EPA Site ID
Record Added Date: 2001-05-10 16:31:00
Record Updated: 2005-02-24 15:54:00
Updated By: REGTRANS
Crossref ID: 3-601016
Cross Ref Type Code:
Cross Ref Type: PBS No.
Record Added Date: 2013-10-02 17:31:00

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PRATT INDUSTRIES (Continued)

1000163286

Record Updated: 2013-10-02 17:31:00
Updated By: JPCUMMIN

Name: MACBETH KOLLMORGEN CORP.
Address: 617 LITTLE BRITAIN ROAD
City,State,Zip: NEW WINDSOR, NY 12553
Site Code: 56012
Control Name: O&M Plan
HW Code: 336037
Control Code: 33
Control Type: INST
Dt record added: 06/12/2012
Dt rec updated: 10/23/2018
Updated By: JJTEETER
Site Code: 56012

Site Description: Location: The Macbeth Kollmorgen Corporation (a.k.a. Gretag Macbeth Corporation) is located in a suburban portion of Orange County. The site lies about 2.5 miles west of the Hudson River and about 0.5 miles southeast of Lake Washington Reservoir and Lockwood Basin. Site Features: The 25-acre site consists of the manufacturing (main) building, along with a few subsidiary buildings. Current Zoning and Land Use: The site is currently zoned commercial and has been used for the manufacture of instrumentation related to the control of color systems, which includes paint blending and research. The area surrounding the site includes the Central Hudson Gas and Electric Service Center to the north and a combination of residential and commercial properties to the east and west, with woodlands to the south. Past Use of the Site: During the mid 1970 s wastes consisting of off-spec paint and chlorinated solvents were believed to be disposed of out the side door of the main building. Site Geology and Hyrdogeology: The overburden at the Macbeth site consists of unconsolidated glacial till which is composed of fine to coarse sands, gravel and silt. Thickness of the overburden at the site ranges from 11 to 30 feet below grade. Bedrock underlying the site is the Stissing Dolostone member of the Wappinger Group. Groundwater occurs in the glacial till overburden and within the bedrock underlying the site. Groundwater flow in the shallow and intermediate bedrock zone is generally flowing towards the north and western directions. Groundwater flow in the deep bedrock zone is generally flowing towards the north. Hitorically, groundwater flow in the shallow and intermediate bedrock is towards the north. However, groundwater flow in the deep bedrock alternates between northern and southern flow.

Env Problem: Nature and Extent of Contamination: Remediation at the site is complete. Prior to remediation, the primary contaminants of concern were trichloroethene (TCE), chloroethane, 1,1-dichloroethane (1,1-DCA), 1,2-dichloroethene (1,2-DCE) and 1,1,1-trichloroethane (TCA) in the groundwater. Residual contamination in the groundwater is being managed under a Site Management Plan.

Health Problem: The improper disposal of solvent wastes on Macbeth property resulted in the contamination of on-site and off-site groundwater. In 1990, solvent contamination was detected in several private drinking water wells serving homes on the perimeter of the site. Macbeth Corporation connected four homes with contaminated wells to public water and installed a carbon filtration system on one private well where the levels of solvent contamination exceeded standards for public drinking water supplies. Quarterly sampling has been discontinued at

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PRATT INDUSTRIES (Continued)

1000163286

two other private wells servicing homes located near the Macbeth facility as contaminants related to the site have not been detected in these wells. Macbeth Corporation plans to conduct additional investigations to determine the potential for vapor intrusion into structures on or near the site.

Dump: True
Structure: False
Lagoon: False
Landfill: False
Pond: False
Disp Start: 1952
Disp Term: 1980
Lat/Long: 41:29:31:0 / 74:03:23:0
Dell: False
Record Add: 1999-11-18 12:00:00
Record Upd: 2011-02-28 13:31:00
Updated By: JXCANDIL
Own Op: On-Site Operator
Sub Type: E
Owner Name: Not reported
Owner Company: KOLLMORGEN INSTRUMENTS CORPORATION
Owner Address: 405-415 LITTLE BRITAIN RD.
Owner Addr2: Not reported
Owner City,St,Zip: NEW WINDSOR, NY 12550
Owner Country: United States of America
Own Op: Owner
Sub Type: 02
Owner Name: Jack Baratta
Owner Company: Empire Properties
Owner Address: 176 West Parkway
Owner Addr2: Not reported
Owner City,St,Zip: Pompton Plains, NJ 07444
Owner Country: United States of America
HW Code: 336037
Waste Type: TOLUENE (F005)
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: 336037
Waste Type: XYLENE
Waste Quantity: "
Waste Code: Not reported
HW Code: 336037
Waste Type: TETRACHLOROETHYLENE (PCE) (F001, F002)
Waste Quantity: "
Waste Code: Not reported
HW Code: 336037
Waste Type: TRICHLOROETHYLENE (TCE) (F001, F002)
Waste Quantity: "
Waste Code: Not reported
HW Code: 336037
Waste Type: CARBON TETRACHLORIDE
Waste Quantity: UNKNOWN
Waste Code: Not reported
Crossref ID: NYD030488266
Cross Ref Type Code: 05
Cross Ref Type: EPA Site ID
Record Added Date: 2001-05-10 16:31:00

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PRATT INDUSTRIES (Continued)

1000163286

Record Updated: 2005-02-24 15:54:00
Updated By: REGTRANS
Crossref ID: 3-601016
Cross Ref Type Code:
Cross Ref Type: PBS No.
Record Added Date: 2013-10-02 17:31:00
Record Updated: 2013-10-02 17:31:00
Updated By: JPCUMMIN

Name: MACBETH KOLLMORGEN CORP.
Address: 617 LITTLE BRITAIN ROAD
City,State,Zip: NEW WINDSOR, NY 12553
Site Code: 56012
Control Name: Deed Restriction
HW Code: 336037
Control Code: A
Control Type: INST
Dt record added: 06/12/2012
Dt rec updated: 10/23/2018
Updated By: JJTEETER
Site Code: 56012

Site Description: Location: The Macbeth Kollmorgen Corporation (a.k.a. Gretag Macbeth Corporation) is located in a suburban portion of Orange County. The site lies about 2.5 miles west of the Hudson River and about 0.5 miles southeast of Lake Washington Reservoir and Lockwood Basin. Site Features: The 25-acre site consists of the manufacturing (main) building, along with a few subsidiary buildings. Current Zoning and Land Use: The site is currently zoned commercial and has been used for the manufacture of instrumentation related to the control of color systems, which includes paint blending and research. The area surrounding the site includes the Central Hudson Gas and Electric Service Center to the north and a combination of residential and commercial properties to the east and west, with woodlands to the south. Past Use of the Site: During the mid 1970 s wastes consisting of off-spec paint and chlorinated solvents were believed to be disposed of out the side door of the main building. Site Geology and Hyrdogeology: The overburden at the Macbeth site consists of unconsolidated glacial till which is composed of fine to coarse sands, gravel and silt. Thickness of the overburden at the site ranges from 11 to 30 feet below grade. Bedrock underlying the site is the Stissing Dolostone member of the Wappinger Group. Groundwater occurs in the glacial till overburden and within the bedrock underlying the site. Groundwater flow in the shallow and intermediate bedrock zone is generally flowing towards the north and western directions. Groundwater flow in the deep bedrock zone is generally flowing towards the north. Hitorically, groundwater flow in the shallow and intermediate bedrock is towards the north. However, groundwater flow in the deep bedrock alternates between northern and southern flow.

Env Problem: Nature and Extent of Contamination: Remediation at the site is complete. Prior to remediation, the primary contaminants of concern were trichloroethene (TCE), chloroethane, 1,1-dichloroethane (1,1-DCA), 1,2-dichloroethene (1,2-DCE) and 1,1,1-trichloroethane (TCA) in the groundwater. Residual contamination in the groundwater is being managed under a Site Management Plan.

Health Problem: The improper disposal of solvent wastes on Macbeth property resulted in the contamination of on-site and off-site groundwater. In 1990,

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PRATT INDUSTRIES (Continued)

1000163286

solvent contamination was detected in several private drinking water wells serving homes on the perimeter of the site. Macbeth Corporation connected four homes with contaminated wells to public water and installed a carbon filtration system on one private well where the levels of solvent contamination exceeded standards for public drinking water supplies. Quarterly sampling has been discontinued at two other private wells servicing homes located near the Macbeth facility as contaminants related to the site have not been detected in these wells. Macbeth Corporation plans to conduct additional investigations to determine the potential for vapor intrusion into structures on or near the site.

Dump: True
Structure: False
Lagoon: False
Landfill: False
Pond: False
Disp Start: 1952
Disp Term: 1980
Lat/Long: 41:29:31:0 / 74:03:23:0
Dell: False
Record Add: 1999-11-18 12:00:00
Record Upd: 2011-02-28 13:31:00
Updated By: JXCANDIL
Own Op: On-Site Operator
Sub Type: E
Owner Name: Not reported
Owner Company: KOLLMORGEN INSTRUMENTS CORPORATION
Owner Address: 405-415 LITTLE BRITAIN RD.
Owner Addr2: Not reported
Owner City,St,Zip:NEW WINDSOR, NY 12550
Owner Country: United States of America
Own Op: Owner
Sub Type: 02
Owner Name: Jack Baratta
Owner Company: Empire Properties
Owner Address: 176 West Parkway
Owner Addr2: Not reported
Owner City,St,Zip:Pompton Plains, NJ 07444
Owner Country: United States of America
HW Code: 336037
Waste Type: TOLUENE (F005)
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: 336037
Waste Type: XYLENE
Waste Quantity: "
Waste Code: Not reported
HW Code: 336037
Waste Type: TETRACHLOROETHYLENE (PCE) (F001, F002)
Waste Quantity: "
Waste Code: Not reported
HW Code: 336037
Waste Type: TRICHLOROETHYLENE (TCE) (F001, F002)
Waste Quantity: "
Waste Code: Not reported
HW Code: 336037
Waste Type: CARBON TETRACHLORIDE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PRATT INDUSTRIES (Continued)

1000163286

Waste Quantity: UNKNOWN
Waste Code: Not reported
Crossref ID: NYD030488266
Cross Ref Type Code:
Cross Ref Type: EPA Site ID
Record Added Date: 2001-05-10 16:31:00
Record Updated: 2005-02-24 15:54:00
Updated By: REGTRANS
Crossref ID: 3-601016
Cross Ref Type Code:
Cross Ref Type: PBS No.
Record Added Date: 2013-10-02 17:31:00
Record Updated: 2013-10-02 17:31:00
Updated By: JPCUMMIN

ICIS:

Enforcement Action ID: 02-2003-1055
FRS ID: 110004352487
Action Name: Best Control Environmental Corp.
Facility Name: GRETAG MACBETH LLC
Facility Address: 617 LITTLE BRITAIN RD
NEW WINDSOR, NY 125536150
Enforcement Action Type: CAA 113A Admin Compliance Order (Non-Penalty)
Facility County: ORANGE
Program System Acronym: ICIS
Enforcement Action Forum Desc: Administrative - Formal
EA Type Code: 113A
Facility SIC Code: Not reported
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 41.491554
Longitude in Decimal Degrees: -74.060055
Permit Type Desc: Not reported
Program System Acronym: 5870298
Facility NAICS Code: Not reported
Tribal Land Code: Not reported

Enforcement Action ID: 02-000F000360710010300002
FRS ID: 110004352487
Action Name: GRETAGMACBETH LLC 360710010300002
Facility Name: GRETAGMACBETH LLC
Facility Address: 617 LITTLE BRITAIN RD
NEW WINDSOR, NY 12553
Enforcement Action Type: Notice of Violation
Facility County: ORANGE
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Informal
EA Type Code: NOV
Facility SIC Code: 2751
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 41.49247
Longitude in Decimal Degrees: -74.05814
Permit Type Desc: Not reported
Program System Acronym: NY0000003334800033
Facility NAICS Code: 325992
Tribal Land Code: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PRATT INDUSTRIES (Continued)

1000163286

Facility Name: GRETAGMACBETH LLC
Address: 617 LITTLE BRITAIN RD
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: 3648

Facility Name: GRETAGMACBETH LLC
Address: 617 LITTLE BRITAIN RD
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: 3648

Facility Name: GRETAGMACBETH LLC
Address: 617 LITTLE BRITAIN RD
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: 3648

US AIRS (AFS):
Envid: 1000163286
Region Code: 02
County Code: NY071
Programmatic ID: AIR NY0000003334800033
Facility Registry ID: 110004352487
D and B Number: Not reported
Facility Site Name: GRETAGMACBETH LLC
Primary SIC Code: 2751
NAICS Code: 325992
Default Air Classification Code: SMI
Facility Type of Ownership Code: POF
Air CMS Category Code: Not reported
HPV Status: Not reported

US AIRS (AFS):
Region Code: 02
Programmatic ID: AIR NY0000003334800033
Facility Registry ID: 110004352487
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1983-03-10 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 02
Programmatic ID: AIR NY0000003334800033
Facility Registry ID: 110004352487
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1985-03-08 00:00:00
Activity Status Date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PRATT INDUSTRIES (Continued)

1000163286

Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 02
Programmatic ID: AIR NY0000003334800033
Facility Registry ID: 110004352487
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1985-12-19 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 02
Programmatic ID: AIR NY0000003334800033
Facility Registry ID: 110004352487
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1986-09-08 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 02
Programmatic ID: AIR NY0000003334800033
Facility Registry ID: 110004352487
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1987-09-11 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 02
Programmatic ID: AIR NY0000003334800033
Facility Registry ID: 110004352487
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1987-12-11 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 02
Programmatic ID: AIR NY0000003334800033
Facility Registry ID: 110004352487
Air Operating Status Code: OPR
Default Air Classification Code: SMI

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PRATT INDUSTRIES (Continued)

1000163286

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1988-10-18 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 02
Programmatic ID: AIR NY0000003334800033
Facility Registry ID: 110004352487
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1989-07-13 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 02
Programmatic ID: AIR NY0000003334800033
Facility Registry ID: 110004352487
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1990-09-12 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 02
Programmatic ID: AIR NY0000003334800033
Facility Registry ID: 110004352487
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1999-04-26 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 02
Programmatic ID: AIR NY0000003334800033
Facility Registry ID: 110004352487
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2009-02-11 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 02
Programmatic ID: AIR NY0000003334800033

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PRATT INDUSTRIES (Continued)

1000163286

Facility Registry ID: 110004352487
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1983-06-08 00:00:00
Activity Status Date: 1983-06-08 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

FINDS:

Registry ID: 110070314988

Environmental Interest/Information System
OSHA ESTABLISHMENT

Registry ID: 110004352487

Environmental Interest/Information System

AFS (Aerometric Information Retrieval System (AIRS) Facility Subsystem) replaces the former Compliance Data System (CDS), the National Emission Data System (NEDS), and the Storage and Retrieval of Aerometric Data (SAROAD). AIRS is the national repository for information concerning airborne pollution in the United States. AFS is used to track emissions and compliance data from industrial plants. AFS data are utilized by states to prepare State Implementation Plans to comply with regulatory programs and by EPA as an input for the estimation of total national emissions. AFS is undergoing a major redesign to support facility operating permits required under Title V of the Clean Air Act.

AIR SYNTHETIC MINOR

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

FIS (New York - Facility Information System) is New York's Department of Environmental Conservation (DEC) information system for tracking environmental facility information found across the State.

ICIS (Integrated Compliance Information System) is the Integrated Compliance Information System and provides a database that, when complete, will contain integrated Enforcement and Compliance information across most of EPA's programs. The vision for ICIS is to replace EPA's independent databases that contain Enforcement data with a single repository for that information. Currently, ICIS contains all Federal Administrative and Judicial enforcement actions. This information is maintained in ICIS by EPA in the Regional offices and it Headquarters. A future release of ICIS will replace the Permit Compliance System (PCS) which supports the NPDES and will integrate that information with Federal actions already in the system. ICIS also has the capability to track other activities occurring in the Region that support Compliance and Enforcement programs. These include; Incident Tracking, Compliance Assistance, and Compliance Monitoring.

Registry ID: 110056388252

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

PRATT INDUSTRIES (Continued)

1000163286

Environmental Interest/Information System

FIS (New York - Facility Information System) is New York's Department of Environmental Conservation (DEC) information system for tracking environmental facility information found across the State.

[Click this hyperlink](#) while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid: 1000163286
 Registry ID: 110004352487
 DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110004352487>

D17
SSW
1/8-1/4
0.180 mi.
949 ft.

CENTRAL HUDSON GAS & ELECTRIC - NEWBURGH OFFICE
610 LITTLE BRITAIN ROAD
NEW WINDSOR, NY 12550

NY TANKS **S109374965**
N/A

Site 1 of 8 in cluster D

Relative:
Lower
Actual:
312 ft.

TANKS:
 Name: CENTRAL HUDSON GAS & ELECTRIC - NEWBURGH OFFICE
 Address: 610 LITTLE BRITAIN ROAD
 City,State,Zip: NEW WINDSOR, NY 12550
 Facility Id: 3-167096
 Region: STATE
 DEC Region: 3
 Site Status: Active
 Program Type: PBS
 Expiration Date: 06/05/2022
 UTM X: 578576.88317
 UTM Y: 4593949.41347

D18
SSW
1/8-1/4
0.180 mi.
949 ft.

CENTRAL HUDSON NEWBURGH DIVISION OFFICE
610 LITTLE BRITAIN RD
NEW WINDSOR, NY 12553

RCRA-SQG **1015757902**
PADS **NYD127325405**

Site 2 of 8 in cluster D

Relative:
Lower
Actual:
312 ft.

RCRA-SQG:
 Date form received by agency:2018-02-07 00:00:00.0
 Facility name: CENTRAL HUDSON NEWBURGH DIVISION OFFICE
 Facility address: 610 LITTLE BRITAIN RD
 NEW WINDSOR, NY 12553
 EPA ID: NYD127325405
 Mailing address: SOUTH AVE
 POUGHKEEPSIE, NY 12601
 Contact: KAREN LO
 Contact address: SOUTH AVE
 POUGHKEEPSIE, NY 12601
 Contact country: US
 Contact telephone: 845-486-5691
 Contact email: KLO@CENHUD.COM
 EPA Region: 02
 Land type: Private
 Classification: Small Small Quantity Generator
 Description: Handler: generates more than 100 and less than 1000 kg of hazardous

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CENTRAL HUDSON NEWBURGH DIVISION OFFICE (Continued)

1015757902

waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: CENTRAL HUDSON GAS & ELECTRIC CORP.
Owner/operator address: Not reported
Not reported
Owner/operator country: US
Owner/operator telephone: Not reported
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 1911-04-26 00:00:00.
Owner/Op end date: Not reported

Owner/operator name: CENTRAL HUDSON GAS & ELECTRIC CORPORATION
Owner/operator address: SOUTH AVE
POUGHKEEPSIE, NY 12601
Owner/operator country: US
Owner/operator telephone: 845-486-5691
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 1978-04-01 00:00:00.
Owner/Op end date: Not reported

Owner/operator name: CENTRAL HUDSON GAS & ELECTRIC
Owner/operator address: SOUTH AVE
POUGHKEEPSIE, NY 12601
Owner/operator country: US
Owner/operator telephone: 845-486-5691
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 1978-04-01 00:00:00.
Owner/Op end date: Not reported

Owner/operator name: CENTRAL HUDSON GAS & ELE
Owner/operator address: SOUTH AVENUE
POUGHKEEPSIE, NY 12601
Owner/operator country: US
Owner/operator telephone: Not reported
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 1911-04-26 00:00:00.
Owner/Op end date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CENTRAL HUDSON NEWBURGH DIVISION OFFICE (Continued)

1015757902

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:

Date form received by agency: 2014-01-24 00:00:00.0
Site name: CENTRAL HUDSON GAS AND ELECTRIC NEWBURGH DIVISION OFFICE
Classification: Small Quantity Generator

Date form received by agency: 2012-02-02 00:00:00.0
Site name: CENTRAL HUDSON GAS AND ELECTRIC- NEWBURGH FACILITY
Classification: Large Quantity Generator

Date form received by agency: 2010-02-08 00:00:00.0
Site name: CENTRAL HUDSON GAS AND ELECTRIC
Classification: Large Quantity Generator

Date form received by agency: 2007-01-01 00:00:00.0
Site name: CENTRAL HUDSON GAS & ELECTRIC CORP.
Classification: Small Quantity Generator

Date form received by agency: 2006-02-13 00:00:00.0
Site name: CENTRAL HUDSON GAS & ELECTRIC CORP.
Classification: Large Quantity Generator

Date form received by agency: 2006-02-12 00:00:00.0
Site name: CENTRAL HUDSON GAS & ELECTRIC CORP.
Classification: Small Quantity Generator

Date form received by agency: 2002-02-05 00:00:00.0
Site name: CENTRAL HUDSON GAS & ELECTRIC
Classification: Large Quantity Generator

Date form received by agency: 2001-01-01 00:00:00.0
Site name: CENTRAL HUDSON GAS & ELECTRIC COMPANY
Classification: Large Quantity Generator

Date form received by agency: 1999-07-14 00:00:00.0
Site name: CENTRAL HUDSON GAS & ELEC CORP
Classification: Small Quantity Generator

Date form received by agency: 1996-03-13 00:00:00.0
Site name: CENTRAL HUDSON GAS & ELECTRIC CORP

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CENTRAL HUDSON NEWBURGH DIVISION OFFICE (Continued)

1015757902

Classification: Large Quantity Generator
Date form received by agency: 1986-03-31 00:00:00.0
Site name: CENTRAL HUDSON GAS & ELEC CORP
Classification: Large Quantity Generator

Hazardous Waste Summary:

- . Waste code: B004
- . Waste name: PCB articles containing 50 ppm or greater of PCBs, but less than 500 ppm PCBs, excluding small capacitors. This includes oil-filled electrical equipment whose PCB concentration is unknown, except for circuit breakers, reclosers and cable.

- . Waste code: B007
- . Waste name: Other PCB wastes, including contaminated soil, solids, sludges, clothing, rags and dredge material.

- . Waste code: D001
- . Waste name: IGNITABLE WASTE

- . Waste code: D008
- . Waste name: LEAD

- . Waste code: D009
- . Waste name: MERCURY

- . Waste code: D018
- . Waste name: BENZENE

- . Waste code: D028
- . Waste name: 1,2-DICHLOROETHANE

- . Waste code: X002
- . Waste name: POLYCHLORINATED BIPHENOLS (PCBs)

Facility Has Received Notices of Violations:

Regulation violated: Not reported
Area of violation: TSD IS-General Facility Standards
Date violation determined: 2011-01-06 00:00:00.0
Date achieved compliance: 2011-02-08 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 2011-02-14 00:00:00.0
Enf. disposition status: Action Satisfied (Case Closed)
Enf. disp. status date: 2011-02-14 00:00:00.0
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Permits - General Information
Date violation determined: 2011-01-06 00:00:00.0
Date achieved compliance: 2011-02-14 00:00:00.0
Violation lead agency: State

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CENTRAL HUDSON NEWBURGH DIVISION OFFICE (Continued)

1015757902

Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 2011-02-14 00:00:00.0
Enf. disposition status: Action Satisfied (Case Closed)
Enf. disp. status date: 2011-02-14 00:00:00.0
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 2011-01-06 00:00:00.0
Date achieved compliance: 2011-01-06 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 2011-02-14 00:00:00.0
Enf. disposition status: Action Satisfied (Case Closed)
Enf. disp. status date: 2011-02-14 00:00:00.0
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD IS-Container Use and Management
Date violation determined: 2011-01-06 00:00:00.0
Date achieved compliance: 2011-01-06 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 2011-02-14 00:00:00.0
Enf. disposition status: Action Satisfied (Case Closed)
Enf. disp. status date: 2011-02-14 00:00:00.0
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: LDR - General
Date violation determined: 2011-01-06 00:00:00.0
Date achieved compliance: 2011-02-04 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 2011-02-14 00:00:00.0
Enf. disposition status: Action Satisfied (Case Closed)
Enf. disp. status date: 2011-02-14 00:00:00.0
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Universal Waste - Large Quantity Handlers
Date violation determined: 2011-01-06 00:00:00.0
Date achieved compliance: 2011-01-06 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CENTRAL HUDSON NEWBURGH DIVISION OFFICE (Continued)

1015757902

Enforcement action date: 2011-02-14 00:00:00.0
Enf. disposition status: Action Satisfied (Case Closed)
Enf. disp. status date: 2011-02-14 00:00:00.0
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD IS-General Facility Standards
Date violation determined: 2011-01-06 00:00:00.0
Date achieved compliance: 2011-02-04 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 2011-02-14 00:00:00.0
Enf. disposition status: Action Satisfied (Case Closed)
Enf. disp. status date: 2011-02-14 00:00:00.0
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - Manifest
Date violation determined: 1986-10-22 00:00:00.0
Date achieved compliance: 1986-10-22 00:00:00.0
Violation lead agency: State
Enforcement action: NON-FINANCIAL RECORD REVIEW
Enforcement action date: 1986-12-16 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:
Evaluation date: 2011-01-06 00:00:00.0
Evaluation: WRITTEN INFORMAL
Area of violation: TSD IS-Container Use and Management
Date achieved compliance: 2011-01-06 00:00:00.0
Evaluation lead agency: State

Evaluation date: 2011-01-06 00:00:00.0
Evaluation: WRITTEN INFORMAL
Area of violation: LDR - General
Date achieved compliance: 2011-02-04 00:00:00.0
Evaluation lead agency: State

Evaluation date: 2011-01-06 00:00:00.0
Evaluation: WRITTEN INFORMAL
Area of violation: TSD IS-General Facility Standards
Date achieved compliance: 2011-02-04 00:00:00.0
Evaluation lead agency: State

Evaluation date: 2011-01-06 00:00:00.0
Evaluation: WRITTEN INFORMAL

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CENTRAL HUDSON NEWBURGH DIVISION OFFICE (Continued)

1015757902

Area of violation: Generators - General
Date achieved compliance: 2011-01-06 00:00:00.0
Evaluation lead agency: State

Evaluation date: 2011-01-06 00:00:00.0
Evaluation: WRITTEN INFORMAL
Area of violation: Permits - General Information
Date achieved compliance: 2011-02-14 00:00:00.0
Evaluation lead agency: State

Evaluation date: 2011-01-06 00:00:00.0
Evaluation: WRITTEN INFORMAL
Area of violation: Universal Waste - Large Quantity Handlers
Date achieved compliance: 2011-01-06 00:00:00.0
Evaluation lead agency: State

Evaluation date: 2011-01-06 00:00:00.0
Evaluation: WRITTEN INFORMAL
Area of violation: TSD IS-General Facility Standards
Date achieved compliance: 2011-02-08 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1986-10-22 00:00:00.0
Evaluation: WRITTEN INFORMAL
Area of violation: Generators - Manifest
Date achieved compliance: 1986-10-22 00:00:00.0
Evaluation lead agency: State

PADS:

Name: CENTRAL HUDSON GAS NEWBURGH DI
Address: 410 LITTLE BRITAIN RD
Address 2: Not reported
City,State,Zip: NEWBURGH, NY 12550
EDR ID: 1015757902
EPAID: NYD127325405
Region: 2
Generator: Y
Storer: N
Disposer: N
Transporter: N
Smelter: N
Research Facility: N
Mailing Address: 284 S AVE
Mailing Address 2: Not reported
Mailing City: POUGHKEEPSIE
Mailing State: NY
Mailing Zip: 12601
Mailing Country: US
Owner Name: CENTRAL HUDSON GAS & ELEC CORP
Certification Date: 04/03/1990
Contact Name: RICHARD DAVIS
Contact Title: Not reported
Contact Telephone: 914-561-1000
Contact Text: Not reported
Contact Email: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

D19
SSW
1/8-1/4
0.180 mi.
949 ft.

**CENTRAL HUDSON GAS & ELECTRIC
610 LITTLE BRITAIN ROAD
NEWBURGH, NY 12550**

**NY MANIFEST S121446406
N/A**

Site 3 of 8 in cluster D

**Relative:
Lower**

NY MANIFEST:

**Actual:
312 ft.**

Name: CENTRAL HUDSON GAS & ELECTRIC
Address: 610 LITTLE BRITAIN ROAD
City,State,Zip: NEWBURGH, NY 12550
Country: USA
EPA ID: NYD127325405
Facility Status: Not reported
Location Address 1: 610 LITTLE BRITAIN ROAD
Code: BP
Location Address 2: Not reported
Total Tanks: Not reported
Location City: NEW WINDSOR
Location State: NY
Location Zip: 12553
Location Zip 4: Not reported

NY MANIFEST:

EPAID: NYD127325405
Mailing Name: CENTRAL HUDSON GAS & ELECTRIC
Mailing Contact: MICHEAL GALLUCI
Mailing Address 1: 284 SOUTH AVE
Mailing Address 2: Not reported
Mailing City: POUGHKEEPSIE
Mailing State: NY
Mailing Zip: 12601
Mailing Zip 4: Not reported
Mailing Country: USA
Mailing Phone: 9144522000

NY MANIFEST:

Document ID: Not reported
Manifest Status: Not reported
seq: Not reported
Year: 2018
Trans1 State ID: NJD080631369
Trans2 State ID: Not reported
Generator Ship Date: 05/10/2018
Trans1 Recv Date: 05/10/2018
Trans2 Recv Date: Not reported
TSD Site Recv Date: 05/10/2018
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYD127325405
Trans1 EPA ID: Not reported
Trans2 EPA ID: Not reported
TSD ID 1: NJD980536593
TSD ID 2: Not reported
Manifest Tracking Number: 001314315VES
Import Indicator: N
Export Indicator: N
Discr Quantity Indicator: N
Discr Type Indicator: N
Discr Residue Indicator: N

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

CENTRAL HUDSON GAS & ELECTRIC (Continued)

S121446406

Discr Partial Reject Indicator: N
 Discr Full Reject Indicator: N
 Manifest Ref Number: Not reported
 Alt Facility RCRA ID: Not reported
 Alt Facility Sign Date: Not reported
 MGMT Method Type Code: H141
 Waste Code: Not reported
 Waste Code: Not reported
 Waste Code: Not reported
 Waste Code: Not reported
 Waste Code: Not reported
 Waste Code: Not reported
 Quantity: 300
 Units: K - Kilograms (2.2 pounds)
 Number of Containers: 1
 Container Type: BA - Burlap, plastic, paper bags
 Handling Method: L Landfill.
 Specific Gravity: 1
 Waste Code: B004
 Waste Code 1_2: Not reported
 Waste Code 1_3: Not reported
 Waste Code 1_4: Not reported
 Waste Code 1_5: Not reported
 Waste Code 1_6: Not reported

D20
SSW
1/8-1/4
0.186 mi.
984 ft.

DBL S/S
ROUTE 207
NEW WINDSOR, NY
Site 4 of 8 in cluster D

NY LTANKS **S105054229**
N/A

Relative:
Lower
Actual:
315 ft.

LTANKS:
 Name: DBL S/S
 Address: ROUTE 207
 City,State,Zip: NEW WINDSOR, NY
 Spill Number/Closed Date: 9314758 / 1995-02-22
 Facility ID: 9314758
 Site ID: 256882
 Spill Date: 1994-03-16
 Spill Cause: Tank Failure
 Spill Source: Gasoline Station or other PBS Facility
 Spill Class: C3
 Cleanup Ceased: 1995-02-22
 SWIS: 3648
 Investigator: DVWEHRFR
 Referred To: Not reported
 Reported to Dept: 1994-03-16
 CID: Not reported
 Water Affected: Not reported
 Spill Notifier: DEC
 Last Inspection: Not reported
 Recommended Penalty: False
 Meets Standard: False
 UST Involvement: False
 Remediation Phase: 0
 Date Entered In Computer: 1994-03-17
 Spill Record Last Update: 1995-02-22

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

DBL S/S (Continued)

S105054229

Spiller Name: Not reported
 Spiller Company: Not reported
 Spiller Address: Not reported
 Spiller County: 001
 Spiller Contact: Not reported
 Spiller Phone: Not reported
 Spiller Extention: Not reported
 DEC Region: 3
 DER Facility ID: 210353
 DEC Memo: "Prior to Sept, 2004 data translation this spill Lead_DEC Field was WEHRFRITZ "
 Remarks: "1K A/G TANK LEAKING ONTO GROUND ECO REVELLA & BELLO ON SCENE REQUEST SPILL TECH TO RESPOND D. WEHRFRITZ NOTIFIED"

All Materials:
 Site ID: 256882
 Operable Unit ID: 996692
 Operable Unit: 01
 Material ID: 386542
 Material Code: 0012A
 Material Name: kerosene
 Case No.: Not reported
 Material FA: Petroleum
 Quantity: 20.00
 Units: G
 Recovered: .00
 Oxygenate: Not reported

D21
SSW
1/8-1/4
0.188 mi.
994 ft.

ATI STATION
635 LITTLE BRITAIN ROAD
NEW WINDSOR, NY

NY LTANKS **S102110273**
NY Spills **N/A**

Site 5 of 8 in cluster D

Relative: LTANKS:
Lower Name: DBL/C. MANNS
 Address: 635 LITTLE BRITAIN ROAD
 City,State,Zip: NEW WINDSOR, NY
Actual: Spill Number/Closed Date: 9312082 / 2012-11-14
316 ft. Facility ID: 9312082
 Site ID: 177600
 Spill Date: 1993-12-21
 Spill Cause: Tank Test Failure
 Spill Source: Gasoline Station or other PBS Facility
 Spill Class: A1
 Cleanup Ceased: Not reported
 SWIS: 3648
 Investigator: JYMCCART
 Referred To: Not reported
 Reported to Dept: 1994-01-13
 CID: Not reported
 Water Affected: Not reported
 Spill Notifier: Affected Persons
 Last Inspection: Not reported
 Recommended Penalty: True
 Meets Standard: False
 UST Involvement: True

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ATI STATION (Continued)

S102110273

Remediation Phase: 0
Date Entered In Computer: 1994-01-24
Spill Record Last Update: 2012-11-14
Spiller Name: Not reported
Spiller Company: CASEY MANNS/ATI
Spiller Address: Not reported
Spiller County: 001
Spiller Contact: Not reported
Spiller Phone: Not reported
Spiller Extension: Not reported
DEC Region: 3
DER Facility ID: 76967
DEC Memo: "Prior to Sept, 2004 data translation this spill Lead_DEC Field was WEHRFRITZ/TRAVER 06/06/95: PERMANENT REMEDIATION INSTALLED CONSISTING OF VES BEDROCK PUMP & TREAT AND LIQUID RING EXTRACTION IN OVERBURDEN. 09/27/95: This is additional information about material spilled from the translation of the old spill file: ODOR. 11/5/2010 -- System can be dismantled and disposed. Can/should wait until April 1st. ELM 2-14-11 Spoke with Rich Greene, AAG in Albany regarding removal of equipment. Sent letter to Casey Mann and copied his attorney re regarding DEC and contractor access to site to remove equip. jm 7-11-11 GES (DEC Contractor) began dismantling of remedial system on site. This included shed, 30 - 40 ft. Air Stripper Tower, pumps and blowers, conduit, 100 gallon GAC vessel, and other various components. Met on site with Rich Brown and crew of GES on 7-13-11. Spoke with Paul Lindell, GES, on 7-19-11. Confirmed that system has been removed and all work completed except for removal of activated carbon from site. This is presently being characterized. Informed Paul to submit report to this office when this material has been removed and job is finished. Will await this report. jm 10-24-11 Recv'd final report from GES. Based on review of this report the spill will be closed out once the carbon vessels have been removed. jm 1-9-12 Called and left message for Paul lindell to return my call. Trying to determine if carbon vessels have been removed. jm November 2012 Cleanup is complete as of this time and the entire remedial system has been dismantled, removed and all piping/wells grouted. This site is closed and NO FURTHER ACTION at this time. jm "

Remarks: "ATI NOTIFIED BY DEALER OF AN ODOR IN DRINKING WATER SUPPLY. SOURCE OF CONTAMINATION IS DBL STATION."

All TTF:

Facility ID: 9312082
Spill Number: 9312082
Spill Tank Test: 1542368
Site ID: 177600
Tank Number: 1
Tank Size: 550
Material: 1213A
EPA UST: Not reported
UST: Not reported
Cause: Not reported
Source: Not reported
Test Method: 03
Test Method 2: Horner EZ Check I or II
Leak Rate: .00
Gross Fail: F
Modified By: Spills
Last Modified Date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ATI STATION (Continued)

S102110273

All Materials:

Site ID: 177600
Operable Unit ID: 994090
Operable Unit: 01
Material ID: 391082
Material Code: 0009
Material Name: gasoline
Case No.: Not reported
Material FA: Petroleum
Quantity: 1000.00
Units: G
Recovered: .00
Oxygenate: Not reported

Site ID: 177600
Operable Unit ID: 994090
Operable Unit: 01
Material ID: 2096717
Material Code: 1213A
Material Name: MTBE (methyl-tert-butyl ether)
Case No.: 01634044
Material FA: Hazardous Material
Quantity: Not reported
Units: Not reported
Recovered: Not reported
Oxygenate: Not reported

SPILLS:

Name: ATI STATION
Address: 635 LITTLE BRITAIN ROAD
City,State,Zip: NEW WINDSOR, NY
Spill Number/Closed Date: 9415194 / 1995-03-02
Facility ID: 9415194
Facility Type: ER
DER Facility ID: 76967
Site ID: 83662
DEC Region: 3
Spill Cause: Unknown
Spill Class: A3
SWIS: 3648
Spill Date: 1995-02-20
Investigator: DVWEHRFR
Referred To: Not reported
Reported to Dept: 1995-02-20
CID: Not reported
Water Affected: Not reported
Spill Source: Gasoline Station or other PBS Facility
Spill Notifier: Affected Persons
Cleanup Ceased: 1995-03-02
Cleanup Meets Std: False
Last Inspection: Not reported
Recommended Penalty: False
UST Trust: False
Remediation Phase: 0
Date Entered In Computer: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ATI STATION (Continued)

S102110273

Spill Record Last Update: 2003-12-02
Spiller Name: Not reported
Spiller Company: SAME
Spiller Address: Not reported
Spiller Company: 999
Contact Name: Not reported
DEC Memo: "Prior to Sept, 2004 data translation this spill Lead_DEC Field was WEHRFRITZ "
Remarks: "CONVIENENT STORE OPERATOR CHECKING ODOR IN WATER GETTING GASOLINE ODOR AFTER CARBON TANKS SEE SPILL # 9412082"

All Materials:
Site ID: 83662
Operable Unit ID: 1008642
Operable Unit: 01
Material ID: 370377
Material Code: 0009
Material Name: gasoline
Case No.: Not reported
Material FA: Petroleum
Quantity: .00
Units: Not reported
Recovered: .00
Oxygenate: Not reported

D22
SSW
1/8-1/4
0.188 mi.
994 ft.

STEWART FIELD, LLC
1059 LITTLE BRITAIN ROAD
NEW WINDSOR, NY 12553
Site 6 of 8 in cluster D

NY UST **U003031066**
NY Spills **N/A**

Relative:
Lower
Actual:
316 ft.

UST:
Name: BELCHER
Address: 1059 LITTLE BRITAIN ROAD
City,State,Zip: NEW WINDSOR, NY 12550
Id/Status: 3-493708 / Unregulated/Closed
Program Type: PBS
Region: STATE
DEC Region: 3
Expiration Date: N/A
UTM X: 575537.68961
UTM Y: 4593026.19108
Site Type: Apartment Building/Office Building

Affiliation Records:
Site Id: 33621
Affiliation Type: Facility Owner
Company Name: BELCHER CO OF N.Y.
Contact Type: Not reported
Contact Name: Not reported
Address1: 611 RT.46 WEST
Address2: Not reported
City: HASBROUCK HTS.
State: NJ
Zip Code: 07604
Country Code: 001
Phone: (201) 393-9494
EMail: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

STEWART FIELD, LLC (Continued)

U003031066

Fax Number: Not reported
Modified By: BHYUKOWE
Date Last Modified: 2010-04-16

Site Id: 33621
Affiliation Type: Mail Contact
Company Name: BELCHER CO OF N.Y.
Contact Type: Not reported
Contact Name: Not reported
Address1: 611 RT.46 WEST
Address2: Not reported
City: HASBROUCK HTS.
State: NJ
Zip Code: 07604
Country Code: 001
Phone: (201) 393-9494
EMail: Not reported
Fax Number: Not reported
Modified By: BHYUKOWE
Date Last Modified: 2010-04-16

Site Id: 33621
Affiliation Type: Facility Operator
Company Name: BELCHER
Contact Type: Not reported
Contact Name: BELCHER CO OF N.Y.
Address1: Not reported
Address2: Not reported
City: Not reported
State: NN
Zip Code: Not reported
Country Code: 001
Phone: Not reported
EMail: Not reported
Fax Number: Not reported
Modified By: TRANSLAT
Date Last Modified: 2004-03-04

Site Id: 33621
Affiliation Type: Emergency Contact
Company Name: BELCHER CO OF N.Y.
Contact Type: Not reported
Contact Name: MR JOSEPH KOSTUNSKI
Address1: Not reported
Address2: Not reported
City: Not reported
State: NN
Zip Code: Not reported
Country Code: 999
Phone: (201) 393-9494
EMail: Not reported
Fax Number: Not reported
Modified By: RDBENDEL
Date Last Modified: 2007-08-07

Tank Info:

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

STEWART FIELD, LLC (Continued)

U003031066

Tank Number: 01
Tank ID: 233848
Tank Status: Closed - Removed
Material Name: Closed - Removed
Capacity Gallons: 3000
Install Date: Not reported
Date Tank Closed: Not reported
Registered: True
Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 9999
Common Name of Substance: Other

Tightness Test Method: 00
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: BHYUKOWE
Last Modified: 04/14/2017

Equipment Records:

D00 - Pipe Type - No Piping
K00 - Spill Prevention - None
A00 - Tank Internal Protection - None
B00 - Tank External Protection - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
H00 - Tank Leak Detection - None
I00 - Overfill - None
L09 - Piping Leak Detection - Exempt Suction Piping
E00 - Piping Secondary Containment - None
J02 - Dispenser - Suction Dispenser
G00 - Tank Secondary Containment - None

Tank Number: 02
Tank ID: 233849
Tank Status: Closed - Removed
Material Name: Closed - Removed
Capacity Gallons: 3000
Install Date: Not reported
Date Tank Closed: Not reported
Registered: True
Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 9999
Common Name of Substance: Other

Tightness Test Method: 00
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: BHYUKOWE
Last Modified: 04/14/2017

Equipment Records:

B00 - Tank External Protection - None
C00 - Pipe Location - No Piping

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

STEWART FIELD, LLC (Continued)

U003031066

F00 - Pipe External Protection - None
E00 - Piping Secondary Containment - None
H00 - Tank Leak Detection - None
I00 - Overfill - None
A00 - Tank Internal Protection - None
K00 - Spill Prevention - None
D00 - Pipe Type - No Piping
L00 - Piping Leak Detection - None
G00 - Tank Secondary Containment - None
J02 - Dispenser - Suction Dispenser

Tank Number: 03
Tank ID: 233850
Tank Status: Closed - Removed
Material Name: Closed - Removed
Capacity Gallons: 4000
Install Date: Not reported
Date Tank Closed: Not reported
Registered: True
Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 9999
Common Name of Substance: Other

Tightness Test Method: 00
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: BHYUKOWE
Last Modified: 04/14/2017

Equipment Records:

E00 - Piping Secondary Containment - None
H00 - Tank Leak Detection - None
I00 - Overfill - None
K00 - Spill Prevention - None
B00 - Tank External Protection - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
D00 - Pipe Type - No Piping
L00 - Piping Leak Detection - None
A99 - Tank Internal Protection - Other
G00 - Tank Secondary Containment - None
J02 - Dispenser - Suction Dispenser

Tank Number: 04
Tank ID: 233851
Tank Status: Closed - Removed
Material Name: Closed - Removed
Capacity Gallons: 4000
Install Date: Not reported
Date Tank Closed: Not reported
Registered: True
Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 9999

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

STEWART FIELD, LLC (Continued)

U003031066

Common Name of Substance: Other

Tightness Test Method: 00
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: BHYUKOWE
Last Modified: 04/14/2017

Equipment Records:

A00 - Tank Internal Protection - None
K00 - Spill Prevention - None
E00 - Piping Secondary Containment - None
H00 - Tank Leak Detection - None
I00 - Overfill - None
L09 - Piping Leak Detection - Exempt Suction Piping
B00 - Tank External Protection - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
D00 - Pipe Type - No Piping
G00 - Tank Secondary Containment - None
J02 - Dispenser - Suction Dispenser

Tank Number: 05
Tank ID: 233852
Tank Status: Closed - Removed
Material Name: Closed - Removed
Capacity Gallons: 4000
Install Date: Not reported
Date Tank Closed: Not reported
Registered: True
Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 9999
Common Name of Substance: Other

Tightness Test Method: 00
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: BHYUKOWE
Last Modified: 04/14/2017

Equipment Records:

A00 - Tank Internal Protection - None
K00 - Spill Prevention - None
E00 - Piping Secondary Containment - None
H00 - Tank Leak Detection - None
I00 - Overfill - None
B00 - Tank External Protection - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
D00 - Pipe Type - No Piping
L00 - Piping Leak Detection - None
G00 - Tank Secondary Containment - None
J02 - Dispenser - Suction Dispenser

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

STEWART FIELD, LLC (Continued)

U003031066

Tank Number: 1
Tank ID: 75966
Tank Status: Closed - Removed
Material Name: Closed - Removed
Capacity Gallons: 3000
Install Date: Not reported
Date Tank Closed: 04/16/2010
Registered: True
Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 9999
Common Name of Substance: Other

Tightness Test Method: 00
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: BHYUKOWE
Last Modified: 04/14/2017

Equipment Records:

B00 - Tank External Protection - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
H00 - Tank Leak Detection - None
I00 - Overfill - None
L09 - Piping Leak Detection - Exempt Suction Piping
A00 - Tank Internal Protection - None
D00 - Pipe Type - No Piping
G00 - Tank Secondary Containment - None
J02 - Dispenser - Suction Dispenser

Tank Number: 1
Tank ID: 77323
Tank Status: In Service
Material Name: In Service
Capacity Gallons: 8000
Install Date: 10/01/1991
Date Tank Closed: Not reported
Registered: True
Tank Location: Underground
Tank Type: Fiberglass coated steel
Material Code: 2712
Common Name of Substance: Gasoline/Ethanol

Tightness Test Method: -
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: BHYUKOWE
Last Modified: 04/14/2017

Equipment Records:

G04 - Tank Secondary Containment - Double-Walled (Underground)
L07 - Piping Leak Detection - Pressurized Piping Leak Detector
J01 - Dispenser - Pressurized Dispenser
E04 - Piping Secondary Containment - Double walled UG

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

STEWART FIELD, LLC (Continued)

U003031066

I02 - Overfill - High Level Alarm
K01 - Spill Prevention - Catch Basin
B04 - Tank External Protection - Fiberglass
D06 - Pipe Type - Fiberglass Reinforced Plastic (FRP)
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring
A03 - Tank Internal Protection - Fiberglass Liner (FRP)
L01 - Piping Leak Detection - Interstitial - Electronic Monitoring
C02 - Pipe Location - Underground/On-ground
F04 - Pipe External Protection - Fiberglass

Tank Number: 2
Tank ID: 75967
Tank Status: Closed - Removed
Material Name: Closed - Removed
Capacity Gallons: 3000
Install Date: Not reported
Date Tank Closed: 04/16/2010
Registered: True
Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 9999
Common Name of Substance: Other

Tightness Test Method: 00
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: BHYUKOWE
Last Modified: 04/14/2017

Equipment Records:

G00 - Tank Secondary Containment - None
J02 - Dispenser - Suction Dispenser
B00 - Tank External Protection - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
A00 - Tank Internal Protection - None
H00 - Tank Leak Detection - None
I00 - Overfill - None
L09 - Piping Leak Detection - Exempt Suction Piping
D00 - Pipe Type - No Piping

Tank Number: 2
Tank ID: 77324
Tank Status: In Service
Material Name: In Service
Capacity Gallons: 8000
Install Date: 10/01/1991
Date Tank Closed: Not reported
Registered: True
Tank Location: Underground
Tank Type: Fiberglass coated steel
Material Code: 2712
Common Name of Substance: Gasoline/Ethanol

Tightness Test Method: -

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

STEWART FIELD, LLC (Continued)

U003031066

Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: BHYUKOWE
Last Modified: 04/14/2017

Equipment Records:

B04 - Tank External Protection - Fiberglass
D06 - Pipe Type - Fiberglass Reinforced Plastic (FRP)
I02 - Overfill - High Level Alarm
K01 - Spill Prevention - Catch Basin
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring
A03 - Tank Internal Protection - Fiberglass Liner (FRP)
E04 - Piping Secondary Containment - Double walled UG
J01 - Dispenser - Pressurized Dispenser
L07 - Piping Leak Detection - Pressurized Piping Leak Detector
G04 - Tank Secondary Containment - Double-Walled (Underground)
C02 - Pipe Location - Underground/On-ground
F04 - Pipe External Protection - Fiberglass
L01 - Piping Leak Detection - Interstitial - Electronic Monitoring

Tank Number: 3
Tank ID: 75968
Tank Status: Closed - Removed
Material Name: Closed - Removed
Capacity Gallons: 4000
Install Date: Not reported
Date Tank Closed: 04/16/2010
Registered: True
Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 9999
Common Name of Substance: Other

Tightness Test Method: 00
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: BHYUKOWE
Last Modified: 04/14/2017

Equipment Records:

H00 - Tank Leak Detection - None
I00 - Overfill - None
L09 - Piping Leak Detection - Exempt Suction Piping
A00 - Tank Internal Protection - None
B00 - Tank External Protection - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
D00 - Pipe Type - No Piping
G00 - Tank Secondary Containment - None
J02 - Dispenser - Suction Dispenser

Tank Number: 3
Tank ID: 77325
Tank Status: In Service

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

STEWART FIELD, LLC (Continued)

U003031066

Material Name: In Service
Capacity Gallons: 8000
Install Date: 10/01/1991
Date Tank Closed: Not reported
Registered: True
Tank Location: Underground
Tank Type: Fiberglass coated steel
Material Code: 2712
Common Name of Substance: Gasoline/Ethanol

Tightness Test Method: -
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: BHYUKOWE
Last Modified: 04/14/2017

Equipment Records:

G04 - Tank Secondary Containment - Double-Walled (Underground)
A03 - Tank Internal Protection - Fiberglass Liner (FRP)
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring
L07 - Piping Leak Detection - Pressurized Piping Leak Detector
J01 - Dispenser - Pressurized Dispenser
E04 - Piping Secondary Containment - Double walled UG
K01 - Spill Prevention - Catch Basin
D06 - Pipe Type - Fiberglass Reinforced Plastic (FRP)
I02 - Overfill - High Level Alarm
B04 - Tank External Protection - Fiberglass
L01 - Piping Leak Detection - Interstitial - Electronic Monitoring
F04 - Pipe External Protection - Fiberglass
C02 - Pipe Location - Underground/On-ground

Tank Number: 4
Tank ID: 75969
Tank Status: Closed - Removed
Material Name: Closed - Removed
Capacity Gallons: 4000
Install Date: Not reported
Date Tank Closed: 04/16/2010
Registered: True
Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 9999
Common Name of Substance: Other

Tightness Test Method: 00
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: BHYUKOWE
Last Modified: 04/14/2017

Equipment Records:

D00 - Pipe Type - No Piping
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
B00 - Tank External Protection - None

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

STEWART FIELD, LLC (Continued)

U003031066

L09 - Piping Leak Detection - Exempt Suction Piping
H00 - Tank Leak Detection - None
I00 - Overfill - None
A00 - Tank Internal Protection - None
J02 - Dispenser - Suction Dispenser
G00 - Tank Secondary Containment - None

Tank Number: 5
Tank ID: 75970
Tank Status: Closed - Removed
Material Name: Closed - Removed
Capacity Gallons: 4000
Install Date: Not reported
Date Tank Closed: 04/16/2010
Registered: True
Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 9999
Common Name of Substance: Other

Tightness Test Method: 00
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: BHYUKOWE
Last Modified: 04/14/2017

Equipment Records:

G00 - Tank Secondary Containment - None
J02 - Dispenser - Suction Dispenser
H00 - Tank Leak Detection - None
I00 - Overfill - None
L09 - Piping Leak Detection - Exempt Suction Piping
B00 - Tank External Protection - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
A00 - Tank Internal Protection - None
D00 - Pipe Type - No Piping

Affiliation Records:

Site Id: 33853
Affiliation Type: Facility Owner
Company Name: STEWART FIELD LLC
Contact Type: MEMBER OF OWNER
Contact Name: PHILIP A CROTTY
Address1: ATTN: P. CROTTY
Address2: 1 ATLANTIC AVENUE
City: ROCKPORT
State: NY
Zip Code: 01966
Country Code: 001
Phone: (845) 401-8000
EMail: Not reported
Fax Number: Not reported
Modified By: MXSWEENE
Date Last Modified: 2019-04-02

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

STEWART FIELD, LLC (Continued)

U003031066

Site Id: 33853
Affiliation Type: Emergency Contact
Company Name: STS 3 PETROLEUM, INC
Contact Type: Not reported
Contact Name: HARINDER SINGH
Address1: Not reported
Address2: Not reported
City: Not reported
State: NN
Zip Code: Not reported
Country Code: 999
Phone: (845) 702-6271
EMail: Not reported
Fax Number: Not reported
Modified By: MXSWEENE
Date Last Modified: 2019-04-02

Site Id: 33853
Affiliation Type: Facility Operator
Company Name: STEWART FIELD
Contact Type: Not reported
Contact Name: HARINDER SINGH
Address1: Not reported
Address2: Not reported
City: Not reported
State: NN
Zip Code: Not reported
Country Code: 001
Phone: Not reported
EMail: Not reported
Fax Number: Not reported
Modified By: AYLAGATI
Date Last Modified: 2017-07-07

Site Id: 33853
Affiliation Type: Mail Contact
Company Name: STS 3 PETROLEUM, INC.
Contact Type: OPERATOR
Contact Name: HARINDER SINGH
Address1: 1059 LITTLE BRITAIN ROAD
Address2: Not reported
City: NEW WINDOSR
State: NY
Zip Code: 12553
Country Code: 001
Phone: (845) 702-6271
EMail: TERRY0351@GMAIL.COM
Fax Number: Not reported
Modified By: MXSWEENE
Date Last Modified: 2019-04-02

Tank Info:

Tank Number: 01
Tank ID: 233848
Tank Status: Closed - Removed
Material Name: Closed - Removed

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

STEWART FIELD, LLC (Continued)

U003031066

Capacity Gallons: 3000
Install Date: Not reported
Date Tank Closed: Not reported
Registered: True
Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 9999
Common Name of Substance: Other

Tightness Test Method: 00
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: BHYUKOWE
Last Modified: 04/14/2017

Equipment Records:

D00 - Pipe Type - No Piping
K00 - Spill Prevention - None
A00 - Tank Internal Protection - None
B00 - Tank External Protection - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
H00 - Tank Leak Detection - None
I00 - Overfill - None
L09 - Piping Leak Detection - Exempt Suction Piping
E00 - Piping Secondary Containment - None
J02 - Dispenser - Suction Dispenser
G00 - Tank Secondary Containment - None

Tank Number: 02
Tank ID: 233849
Tank Status: Closed - Removed
Material Name: Closed - Removed
Capacity Gallons: 3000
Install Date: Not reported
Date Tank Closed: Not reported
Registered: True
Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 9999
Common Name of Substance: Other

Tightness Test Method: 00
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: BHYUKOWE
Last Modified: 04/14/2017

Equipment Records:

B00 - Tank External Protection - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
E00 - Piping Secondary Containment - None
H00 - Tank Leak Detection - None
I00 - Overfill - None

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

STEWART FIELD, LLC (Continued)

U003031066

A00 - Tank Internal Protection - None
K00 - Spill Prevention - None
D00 - Pipe Type - No Piping
L00 - Piping Leak Detection - None
G00 - Tank Secondary Containment - None
J02 - Dispenser - Suction Dispenser

Tank Number: 03
Tank ID: 233850
Tank Status: Closed - Removed
Material Name: Closed - Removed
Capacity Gallons: 4000
Install Date: Not reported
Date Tank Closed: Not reported
Registered: True
Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 9999
Common Name of Substance: Other

Tightness Test Method: 00
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: BHYUKOWE
Last Modified: 04/14/2017

Equipment Records:

E00 - Piping Secondary Containment - None
H00 - Tank Leak Detection - None
I00 - Overfill - None
K00 - Spill Prevention - None
B00 - Tank External Protection - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
D00 - Pipe Type - No Piping
L00 - Piping Leak Detection - None
A99 - Tank Internal Protection - Other
G00 - Tank Secondary Containment - None
J02 - Dispenser - Suction Dispenser

Tank Number: 04
Tank ID: 233851
Tank Status: Closed - Removed
Material Name: Closed - Removed
Capacity Gallons: 4000
Install Date: Not reported
Date Tank Closed: Not reported
Registered: True
Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 9999
Common Name of Substance: Other

Tightness Test Method: 00
Date Test: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

STEWART FIELD, LLC (Continued)

U003031066

Next Test Date: Not reported
Pipe Model: Not reported
Modified By: BHYUKOWE
Last Modified: 04/14/2017

Equipment Records:

- A00 - Tank Internal Protection - None
- K00 - Spill Prevention - None
- E00 - Piping Secondary Containment - None
- H00 - Tank Leak Detection - None
- I00 - Overfill - None
- L09 - Piping Leak Detection - Exempt Suction Piping
- B00 - Tank External Protection - None
- C00 - Pipe Location - No Piping
- F00 - Pipe External Protection - None
- D00 - Pipe Type - No Piping
- G00 - Tank Secondary Containment - None
- J02 - Dispenser - Suction Dispenser

Tank Number: 05
Tank ID: 233852
Tank Status: Closed - Removed
Material Name: Closed - Removed
Capacity Gallons: 4000
Install Date: Not reported
Date Tank Closed: Not reported
Registered: True
Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 9999
Common Name of Substance: Other

Tightness Test Method: 00
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: BHYUKOWE
Last Modified: 04/14/2017

Equipment Records:

- A00 - Tank Internal Protection - None
- K00 - Spill Prevention - None
- E00 - Piping Secondary Containment - None
- H00 - Tank Leak Detection - None
- I00 - Overfill - None
- B00 - Tank External Protection - None
- C00 - Pipe Location - No Piping
- F00 - Pipe External Protection - None
- D00 - Pipe Type - No Piping
- L00 - Piping Leak Detection - None
- G00 - Tank Secondary Containment - None
- J02 - Dispenser - Suction Dispenser

Tank Number: 1
Tank ID: 75966
Tank Status: Closed - Removed

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

STEWART FIELD, LLC (Continued)

U003031066

Material Name: Closed - Removed
Capacity Gallons: 3000
Install Date: Not reported
Date Tank Closed: 04/16/2010
Registered: True
Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 9999
Common Name of Substance: Other

Tightness Test Method: 00
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: BHYUKOWE
Last Modified: 04/14/2017

Equipment Records:

B00 - Tank External Protection - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
H00 - Tank Leak Detection - None
I00 - Overfill - None
L09 - Piping Leak Detection - Exempt Suction Piping
A00 - Tank Internal Protection - None
D00 - Pipe Type - No Piping
G00 - Tank Secondary Containment - None
J02 - Dispenser - Suction Dispenser

Tank Number: 1
Tank ID: 77323
Tank Status: In Service
Material Name: In Service
Capacity Gallons: 8000
Install Date: 10/01/1991
Date Tank Closed: Not reported
Registered: True
Tank Location: Underground
Tank Type: Fiberglass coated steel
Material Code: 2712
Common Name of Substance: Gasoline/Ethanol

Tightness Test Method: -
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: BHYUKOWE
Last Modified: 04/14/2017

Equipment Records:

G04 - Tank Secondary Containment - Double-Walled (Underground)
L07 - Piping Leak Detection - Pressurized Piping Leak Detector
J01 - Dispenser - Pressurized Dispenser
E04 - Piping Secondary Containment - Double walled UG
I02 - Overfill - High Level Alarm
K01 - Spill Prevention - Catch Basin
B04 - Tank External Protection - Fiberglass

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

STEWART FIELD, LLC (Continued)

U003031066

D06 - Pipe Type - Fiberglass Reinforced Plastic (FRP)
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring
A03 - Tank Internal Protection - Fiberglass Liner (FRP)
L01 - Piping Leak Detection - Interstitial - Electronic Monitoring
C02 - Pipe Location - Underground/On-ground
F04 - Pipe External Protection - Fiberglass

Tank Number: 2
Tank ID: 75967
Tank Status: Closed - Removed
Material Name: Closed - Removed
Capacity Gallons: 3000
Install Date: Not reported
Date Tank Closed: 04/16/2010
Registered: True
Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 9999
Common Name of Substance: Other

Tightness Test Method: 00
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: BHYUKOWE
Last Modified: 04/14/2017

Equipment Records:

G00 - Tank Secondary Containment - None
J02 - Dispenser - Suction Dispenser
B00 - Tank External Protection - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
A00 - Tank Internal Protection - None
H00 - Tank Leak Detection - None
I00 - Overfill - None
L09 - Piping Leak Detection - Exempt Suction Piping
D00 - Pipe Type - No Piping

Tank Number: 2
Tank ID: 77324
Tank Status: In Service
Material Name: In Service
Capacity Gallons: 8000
Install Date: 10/01/1991
Date Tank Closed: Not reported
Registered: True
Tank Location: Underground
Tank Type: Fiberglass coated steel
Material Code: 2712
Common Name of Substance: Gasoline/Ethanol

Tightness Test Method: -
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

STEWART FIELD, LLC (Continued)

U003031066

Modified By: BHYUKOWE
Last Modified: 04/14/2017

Equipment Records:

- B04 - Tank External Protection - Fiberglass
- D06 - Pipe Type - Fiberglass Reinforced Plastic (FRP)
- I02 - Overfill - High Level Alarm
- K01 - Spill Prevention - Catch Basin
- H01 - Tank Leak Detection - Interstitial - Electronic Monitoring
- A03 - Tank Internal Protection - Fiberglass Liner (FRP)
- E04 - Piping Secondary Containment - Double walled UG
- J01 - Dispenser - Pressurized Dispenser
- L07 - Piping Leak Detection - Pressurized Piping Leak Detector
- G04 - Tank Secondary Containment - Double-Walled (Underground)
- C02 - Pipe Location - Underground/On-ground
- F04 - Pipe External Protection - Fiberglass
- L01 - Piping Leak Detection - Interstitial - Electronic Monitoring

Tank Number: 3
Tank ID: 75968
Tank Status: Closed - Removed
Material Name: Closed - Removed
Capacity Gallons: 4000
Install Date: Not reported
Date Tank Closed: 04/16/2010
Registered: True
Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 9999
Common Name of Substance: Other

Tightness Test Method: 00
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: BHYUKOWE
Last Modified: 04/14/2017

Equipment Records:

- H00 - Tank Leak Detection - None
- I00 - Overfill - None
- L09 - Piping Leak Detection - Exempt Suction Piping
- A00 - Tank Internal Protection - None
- B00 - Tank External Protection - None
- C00 - Pipe Location - No Piping
- F00 - Pipe External Protection - None
- D00 - Pipe Type - No Piping
- G00 - Tank Secondary Containment - None
- J02 - Dispenser - Suction Dispenser

Tank Number: 3
Tank ID: 77325
Tank Status: In Service
Material Name: In Service
Capacity Gallons: 8000
Install Date: 10/01/1991

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

STEWART FIELD, LLC (Continued)

U003031066

Date Tank Closed: Not reported
Registered: True
Tank Location: Underground
Tank Type: Fiberglass coated steel
Material Code: 2712
Common Name of Substance: Gasoline/Ethanol

Tightness Test Method: -
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: BHYUKOWE
Last Modified: 04/14/2017

Equipment Records:

G04 - Tank Secondary Containment - Double-Walled (Underground)
A03 - Tank Internal Protection - Fiberglass Liner (FRP)
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring
L07 - Piping Leak Detection - Pressurized Piping Leak Detector
J01 - Dispenser - Pressurized Dispenser
E04 - Piping Secondary Containment - Double walled UG
K01 - Spill Prevention - Catch Basin
D06 - Pipe Type - Fiberglass Reinforced Plastic (FRP)
I02 - Overfill - High Level Alarm
B04 - Tank External Protection - Fiberglass
L01 - Piping Leak Detection - Interstitial - Electronic Monitoring
F04 - Pipe External Protection - Fiberglass
C02 - Pipe Location - Underground/On-ground

Tank Number: 4
Tank ID: 75969
Tank Status: Closed - Removed
Material Name: Closed - Removed
Capacity Gallons: 4000
Install Date: Not reported
Date Tank Closed: 04/16/2010
Registered: True
Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 9999
Common Name of Substance: Other

Tightness Test Method: 00
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: BHYUKOWE
Last Modified: 04/14/2017

Equipment Records:

D00 - Pipe Type - No Piping
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
B00 - Tank External Protection - None
L09 - Piping Leak Detection - Exempt Suction Piping
H00 - Tank Leak Detection - None
I00 - Overfill - None

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

STEWART FIELD, LLC (Continued)

U003031066

A00 - Tank Internal Protection - None
J02 - Dispenser - Suction Dispenser
G00 - Tank Secondary Containment - None

Tank Number: 5
Tank ID: 75970
Tank Status: Closed - Removed
Material Name: Closed - Removed
Capacity Gallons: 4000
Install Date: Not reported
Date Tank Closed: 04/16/2010
Registered: True
Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 9999
Common Name of Substance: Other

Tightness Test Method: 00
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: BHYUKOWE
Last Modified: 04/14/2017

Equipment Records:

G00 - Tank Secondary Containment - None
J02 - Dispenser - Suction Dispenser
H00 - Tank Leak Detection - None
I00 - Overfill - None
L09 - Piping Leak Detection - Exempt Suction Piping
B00 - Tank External Protection - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
A00 - Tank Internal Protection - None
D00 - Pipe Type - No Piping

SPILLS:

Name: SILVER STREAM MOB.HOME PK
Address: 635A LITTLE BRITTIAN RD
City,State,Zip: NEW WINDSOR, NY
Spill Number/Closed Date: 9413359 / 1995-02-22
Facility ID: 9413359
Facility Type: ER
DER Facility ID: 75756
Site ID: 82053
DEC Region: 3
Spill Cause: Other
Spill Class: A1
SWIS: 3648
Spill Date: 1995-01-06
Investigator: DVWEHRFR
Referred To: Not reported
Reported to Dept: 1995-01-06
CID: Not reported
Water Affected: Not reported
Spill Source: Gasoline Station or other PBS Facility

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

STEWART FIELD, LLC (Continued)

U003031066

Spill Notifier: Affected Persons
 Cleanup Ceased: 1995-02-22
 Cleanup Meets Std: False
 Last Inspection: Not reported
 Recommended Penalty: False
 UST Trust: False
 Remediation Phase: 0
 Date Entered In Computer: 1995-01-19
 Spill Record Last Update: 1995-02-22
 Spiller Name: Not reported
 Spiller Company: Not reported
 Spiller Address: Not reported
 Spiller Company: 001
 Contact Name: Not reported
 DEC Memo: "Prior to Sept, 2004 data translation this spill Lead_DEC Field was WEHRFRITZ "
 Remarks: "TOOK WATER SAMPLES 2900 PPB MTBE WELL #1 1300 PPB MTBE WELL #2 TANK TRUCK BEING SUPPLIED FOR RESIDENCES OCHD NOTIFIED ALSO SEE SPILL # 9413362"
 All Materials:
 Site ID: 82053
 Operable Unit ID: 1010917
 Operable Unit: 01
 Material ID: 372097
 Material Code: 0009
 Material Name: gasoline
 Case No.: Not reported
 Material FA: Petroleum
 Quantity: .00
 Units: Not reported
 Recovered: .00
 Oxygenate: Not reported

**23
 ESE
 1/8-1/4
 0.195 mi.
 1029 ft.**

**DIVISION OF KOLLMORGEN INST. CORP.
 LITTLE BRITAIN RD
 NEW WINDSOR, NY 12550**

**NY UST U001842410
 N/A**

**Relative:
 Lower
 Actual:
 276 ft.**

UST:
 Name: DIVISION OF KOLLMORGEN INST. CORP.
 Address: LITTLE BRITAIN RD
 City,State,Zip: NEW WINDSOR, NY 12550
 Id/Status: 3-049891 / Unregulated/Closed
 Program Type: PBS
 Region: STATE
 DEC Region: 3
 Expiration Date: N/A
 UTM X: 576844.39496
 UTM Y: 4593118.49511
 Site Type: Manufacturing (Other than Chemical)/Processing
 Affiliation Records:
 Site Id: 31777
 Affiliation Type: Facility Owner
 Company Name: KOLLMORGEN INSTRUMENTS CORPORATION
 Contact Type: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DIVISION OF KOLLMORGEN INST. CORP. (Continued)

U001842410

Contact Name: Not reported
Address1: 10 MILL POND LANE
Address2: Not reported
City: SIMSBURY
State: CT
Zip Code: 06070
Country Code: 001
Phone: (203) 651-3757
EMail: Not reported
Fax Number: Not reported
Modified By: TRANSLAT
Date Last Modified: 2004-03-04

Site Id: 31777
Affiliation Type: Mail Contact
Company Name: MACBETH,DIV. OF KOLLMORGEN INST. CORP.
Contact Type: Not reported
Contact Name: WAYNE H. HARRISON
Address1: P.O. BOX 230
Address2: Not reported
City: NEWBURGH
State: NY
Zip Code: 12551-0230
Country Code: 001
Phone: (914) 565-7660
EMail: Not reported
Fax Number: Not reported
Modified By: TRANSLAT
Date Last Modified: 2004-03-04

Site Id: 31777
Affiliation Type: Facility Operator
Company Name: DIVISION OF KOLLMORGEN INST. CORP.
Contact Type: Not reported
Contact Name: MACBETH
Address1: Not reported
Address2: Not reported
City: Not reported
State: NN
Zip Code: Not reported
Country Code: 001
Phone: (914) 565-7660
EMail: Not reported
Fax Number: Not reported
Modified By: TRANSLAT
Date Last Modified: 2004-03-04

Site Id: 31777
Affiliation Type: Emergency Contact
Company Name: KOLLMORGEN INSTRUMENTS CORPORATION
Contact Type: Not reported
Contact Name: THOMAS F. HOEY
Address1: Not reported
Address2: Not reported
City: Not reported
State: NN
Zip Code: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DIVISION OF KOLLMORGEN INST. CORP. (Continued)

U001842410

Country Code: 001
Phone: (914) 562-4417
EMail: Not reported
Fax Number: Not reported
Modified By: TRANSLAT
Date Last Modified: 2004-03-04

Tank Info:

Tank Number: 1
Tank ID: 68597
Tank Status: Closed - Removed
Material Name: Closed - Removed
Capacity Gallons: 8000
Install Date: Not reported
Date Tank Closed: 12/01/1992
Registered: True
Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 0001
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Tightness Test Method: 00
Date Test: 08/01/1986
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: TRANSLAT
Last Modified: 04/14/2017

Equipment Records:

F00 - Pipe External Protection - None
H04 - Tank Leak Detection - Groundwater Well
B00 - Tank External Protection - None
C00 - Pipe Location - No Piping
I00 - Overfill - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
A00 - Tank Internal Protection - None
G00 - Tank Secondary Containment - None
J02 - Dispenser - Suction Dispenser

D24
SSW
1/8-1/4
0.198 mi.
1044 ft.
DBL S/S
639 LITTLE BRITIAN ROAD
NEW WINDSOR, NY
Site 7 of 8 in cluster D

NY LTANKS **S100559935**
N/A

Relative: LTANKS:
Lower Name: DBL S/S
Actual: Address: 639 LITTLE BRITIAN ROAD
313 ft. City,State,Zip: NEW WINDSOR, NY
Spill Number/Closed Date: 9305093 / 1995-02-21
Facility ID: 9305093
Site ID: 102430
Spill Date: 1993-07-23
Spill Cause: Tank Test Failure
Spill Source: Gasoline Station or other PBS Facility
Spill Class: B3
Cleanup Ceased: 1995-02-21

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DBL S/S (Continued)

S100559935

SWIS: 3648
Investigator: WXWADSWO
Referred To: Not reported
Reported to Dept: 1993-07-23
CID: Not reported
Water Affected: Not reported
Spill Notifier: Tank Tester
Last Inspection: Not reported
Recommended Penalty: False
Meets Standard: False
UST Involvement: True
Remediation Phase: 0
Date Entered In Computer: 1993-07-29
Spill Record Last Update: 1995-03-09
Spiller Name: Not reported
Spiller Company: C.P. MANS (OWNER)
Spiller Address: P.O. BOX 427
Spiller County: 001
Spiller Contact: Not reported
Spiller Phone: Not reported
Spiller Extention: Not reported
DEC Region: 3
DER Facility ID: 90700
DEC Memo: "Prior to Sept, 2004 data translation this spill Lead_DEC Field was WADSWORTH 09/27/95: This is additional information about material spilled from the translation of the old spill file: TANK TEST."

Remarks: "WILL E.I.R. HORNER EASY II"

All TTF:

Facility ID: 9305093
Spill Number: 9305093
Spill Tank Test: 1541806
Site ID: 102430
Tank Number: Not reported
Tank Size: 0
Material: 0009
EPA UST: Not reported
UST: Not reported
Cause: Not reported
Source: Not reported
Test Method: 00
Test Method 2: Unknown
Leak Rate: .00
Gross Fail: Not reported
Modified By: Spills
Last Modified Date: Not reported

All Materials:

Site ID: 102430
Operable Unit ID: 986684
Operable Unit: 01
Material ID: 395043
Material Code: 0009
Material Name: gasoline
Case No.: Not reported
Material FA: Petroleum
Quantity: .00

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

DBL S/S (Continued)

S100559935

Units: Not reported
 Recovered: .00
 Oxygenate: Not reported

D25
SSW
1/8-1/4
0.212 mi.
1121 ft.

BP STATION
635 RT. 207
NEW WINDSOR, NY
Site 8 of 8 in cluster D

NY LTANKS **S101658718**
NY Spills **N/A**

Relative:
Lower
Actual:
303 ft.

LTANKS:
 Name: BP STATION
 Address: 635 RT. 207
 City,State,Zip: NEW WINDSOR, NY
 Spill Number/Closed Date: 9507449 / 1995-12-18
 Facility ID: 9507449
 Site ID: 310073
 Spill Date: 1995-09-18
 Spill Cause: Tank Failure
 Spill Source: Gasoline Station or other PBS Facility
 Spill Class: C3
 Cleanup Ceased: 1995-12-18
 SWIS: 3648
 Investigator: DVWEHRFR
 Referred To: Not reported
 Reported to Dept: 1995-09-18
 CID: Not reported
 Water Affected: Not reported
 Spill Notifier: Other
 Last Inspection: Not reported
 Recommended Penalty: False
 Meets Standard: True
 UST Involvement: True
 Remediation Phase: 0
 Date Entered In Computer: 1995-09-21
 Spill Record Last Update: 1995-12-18
 Spiller Name: Not reported
 Spiller Company: Not reported
 Spiller Address: Not reported
 Spiller County: 001
 Spiller Contact: Not reported
 Spiller Phone: Not reported
 Spiller Extention: Not reported
 DEC Region: 3
 DER Facility ID: 250300
 DEC Memo: "Prior to Sept, 2004 data translation this spill Lead_DEC Field was WEHRFRITZ "
 Remarks: "CONTAMINATED SOIL FOUND DURING EXCAVATION OF UNDERGROUND TANKS"
 All Materials:
 Site ID: 310073
 Operable Unit ID: 1022166
 Operable Unit: 01
 Material ID: 361875
 Material Code: 0009
 Material Name: gasoline
 Case No.: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BP STATION (Continued)

S101658718

Material FA: Petroleum
Quantity: .00
Units: L
Recovered: .00
Oxygenate: Not reported

SPILLS:

Name: BP STATION
Address: 635 RT. 207
City,State,Zip: NEW WINDSOR, NY
Spill Number/Closed Date: 9507448 / 1995-09-21
Facility ID: 9507448
Facility Type: ER
DER Facility ID: 250300
Site ID: 310072
DEC Region: 3
Spill Cause: Human Error
Spill Class: C4
SWIS: 3648
Spill Date: 1995-08-30
Investigator: DVWEHRFR
Referred To: Not reported
Reported to Dept: 1995-09-18
CID: Not reported
Water Affected: Not reported
Spill Source: Gasoline Station or other PBS Facility
Spill Notifier: Other
Cleanup Ceased: 1995-09-21
Cleanup Meets Std: True
Last Inspection: Not reported
Recommended Penalty: False
UST Trust: False
Remediation Phase: 0
Date Entered In Computer: Not reported
Spill Record Last Update: 2003-12-02
Spiller Name: Not reported
Spiller Company: SAME
Spiller Address: Not reported
Spiller Company: 999
Contact Name: Not reported
DEC Memo: "Prior to Sept, 2004 data translation this spill Lead_DEC Field was WEHRFRITZ "
Remarks: "GAS LINE HIT DURING EXCAVATION"

All Materials:

Site ID: 310072
Operable Unit ID: 1022165
Operable Unit: 01
Material ID: 361874
Material Code: 0009
Material Name: gasoline
Case No.: Not reported
Material FA: Petroleum
Quantity: 10.00
Units: G
Recovered: .00

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BP STATION (Continued)

S101658718

Oxygenate: Not reported

26
ESE
1/4-1/2
0.354 mi.
1867 ft.

STEVENS RESIDENCE
463 LITTLE BRITAIN RD
NEWBURGH, NY

NY LTANKS **S103941200**
N/A

Relative:
Lower

LTANKS:

Actual:
270 ft.

Name: STEVENS RESIDENCE
Address: 463 LITTLE BRITAIN RD
City,State,Zip: NEWBURGH, NY
Spill Number/Closed Date: 9902026 / 2009-01-28
Facility ID: 9902026
Site ID: 165725
Spill Date: 1999-05-20
Spill Cause: Tank Test Failure
Spill Source: Private Dwelling
Spill Class: C4
Cleanup Ceased: Not reported
SWIS: 3646
Investigator: BONDS
Referred To: Not reported
Reported to Dept: 1999-05-21
CID: 390
Water Affected: Not reported
Spill Notifier: Tank Tester
Last Inspection: Not reported
Recommended Penalty: False
Meets Standard: False
UST Involvement: False
Remediation Phase: 0
Date Entered In Computer: 1999-05-21
Spill Record Last Update: 2009-01-28
Spiller Name: STEVENS
Spiller Company: STEVENS RESIDENCE
Spiller Address: 463 LITTLE BRITAIN RD
Spiller County: 001
Spiller Contact: ROBERT L STEVENS JR
Spiller Phone: (914) 562-0994
Spiller Extention: Not reported
DEC Region: 3
DER Facility ID: 139661
DEC Memo: "1/28/09 No further information, no impact JO'M"
Remarks: "IT MAY NOT HAVE RELEASED ANY PRODUCT."

All TTF:

Facility ID: 9902026
Spill Number: 9902026
Spill Tank Test: 1547189
Site ID: 165725
Tank Number: 1
Tank Size: 1000
Material: 0001
EPA UST: Not reported
UST: Not reported
Cause: Not reported

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

STEVENS RESIDENCE (Continued)

S103941200

Source: Not reported
 Test Method: 18
 Test Method 2: Alert Model 1000 plus 1050 (Formerly Gilbarco Precision)
 Leak Rate: .05
 Gross Fail: Not reported
 Modified By: Spills
 Last Modified Date: Not reported

All Materials:
 Site ID: 165725
 Operable Unit ID: 1080794
 Operable Unit: 01
 Material ID: 305546
 Material Code: 0001A
 Material Name: #2 fuel oil
 Case No.: Not reported
 Material FA: Petroleum
 Quantity: .00
 Units: G
 Recovered: .00
 Oxygenate: Not reported

27
 SSW
 1/2-1
 0.921 mi.
 4862 ft.

**INTERLAKE INC. NEWBURGH PLANT
 TEMPLE HILL RD. NEAR UNION
 NEWBURGH, NY 12550**

**SEMS-ARCHIVE 1000215894
 CORRACTS NYD001643816
 RCRA NonGen / NLR
 NY MANIFEST**

**Relative:
 Lower
 Actual:
 308 ft.**

SEMS Archive:
 Site ID: 0203044
 EPA ID: NYD001643816
 Name: INTERLAKE INC. NEWBURGH PLANT
 Address: TEMPLE HILL RD. NEAR UNION
 Address 2: Not reported
 City,State,Zip: NEWBURGH, NY 12550
 Cong District: 21
 FIPS Code: 36071
 FF: N
 NPL: Not on the NPL
 Non NPL Status: NFRAP-Site does not qualify for the NPL based on existing information

SEMS Archive Detail:
 Region: 02
 Site ID: 0203044
 EPA ID: NYD001643816
 Site Name: INTERLAKE INC. NEWBURGH PLANT
 NPL: N
 FF: N
 OU: 00
 Action Code: VS
 Action Name: ARCH SITE
 SEQ: 1
 Start Date: Not reported
 Finish Date: 1998-11-04 05:00:00
 Qual: Not reported
 Current Action Lead: EPA Perf In-Hse

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

INTERLAKE INC. NEWBURGH PLANT (Continued)

1000215894

Region: 02
Site ID: 0203044
EPA ID: NYD001643816
Site Name: INTERLAKE INC. NEWBURGH PLANT
NPL: N
FF: N
OU: 00
Action Code: DS
Action Name: DISCVRY
SEQ: 1
Start Date: 1989-06-06 04:00:00
Finish Date: 1989-06-06 04:00:00
Qual: Not reported
Current Action Lead: EPA Perf

Region: 02
Site ID: 0203044
EPA ID: NYD001643816
Site Name: INTERLAKE INC. NEWBURGH PLANT
NPL: N
FF: N
OU: 00
Action Code: PA
Action Name: PA
SEQ: 1
Start Date: Not reported
Finish Date: 1989-07-30 04:00:00
Qual: N
Current Action Lead: EPA Perf

CORRACTS:

EPA ID: NYD001643816
EPA Region: 02
Area Name: SITEWIDE
Actual Date: 1993-11-16 00:00:00.0
Action: CA075LO - CA Prioritization, Facility or area was assigned a low corrective action priority
NAICS Code(s): 337127
Institutional Furniture Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

RCRA NonGen / NLR:

Date form received by agency: 2007-01-01 00:00:00.0
Facility name: INTERLAKE INC NEWBURGH PLANT
Facility address: TEMPLE HILL RD NEAR UNION
NEWBURGH, NY 12550
EPA ID: NYD001643816
Mailing address: TEMPLE HILL RD PO BOX 4082
NEWBURGH, NY 12550
Contact: Not reported
Contact address: TEMPLE HILL RD PO BOX 4082
NEWBURGH, NY 12550
Contact country: US
Contact telephone: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

INTERLAKE INC. NEWBURGH PLANT (Continued)

1000215894

Contact email: Not reported
EPA Region: 02
Land type: Facility is not located on Indian land. Additional information is not known.
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: INTERLAKE INC
Owner/operator address: 2015 SPRING RD
OAKBROOK, IL 60521
Owner/operator country: US
Owner/operator telephone: 312-849-2500
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: INTERLAKE INC
Owner/operator address: 2015 SPRING RD
OPERCITY, IL 99999
Owner/operator country: US
Owner/operator telephone: 312-849-2500
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:

Date form received by agency: 2006-01-01 00:00:00.0
Site name: INTERLAKE INC NEWBURGH PLANT
Classification: Not a generator, verified

Date form received by agency: 1980-11-19 00:00:00.0

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

INTERLAKE INC. NEWBURGH PLANT (Continued)

1000215894

Site name: INTERLAKE INC NEWBURGH PLANT
Classification: Not a generator, verified

Date form received by agency: 1980-11-19 00:00:00.0
Site name: INTERLAKE INC NEWBURGH PLANT
Classification: Not a generator, verified

Date form received by agency: 1980-08-18 00:00:00.0
Site name: INTERLAKE INC NEWBURGH PLANT
Classification: Not a generator, verified

Hazardous Waste Summary:

. Waste code: D000
. Waste name: Not Defined

. Waste code: F017
. Waste name: Not Defined

Corrective Action Summary:

Event date: 1993-11-16 00:00:00.0
Event: CA PRIORITIZATION-LOW CA PRIORITY

Violation Status: No violations found

NY MANIFEST:

Name: DEXION INC
Address: TEMPLE HILL RD NEAR UNION
City,State,Zip: NEWBURGH, NY 12550
Country: USA
EPA ID: NYD001643816
Facility Status: Not reported
Location Address 1: TEMPLE HILL ROAD NEAR UNION
Code: BP
Location Address 2: Not reported
Total Tanks: Not reported
Location City: NEWBURGH
Location State: NY
Location Zip: 12550
Location Zip 4: Not reported

NY MANIFEST:

EPAID: NYD001643816
Mailing Name: DEXION INC
Mailing Contact: KRIKAU F DIRECTOR ENY CON
Mailing Address 1: TEMPLE HILL ROAD
Mailing Address 2: Not reported
Mailing City: NEWBURGH
Mailing State: NY
Mailing Zip: 12550
Mailing Zip 4: Not reported
Mailing Country: USA
Mailing Phone: 3128492500

NY MANIFEST:

Document ID: NYO2305107
Manifest Status: K

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

INTERLAKE INC. NEWBURGH PLANT (Continued)

1000215894

seq: Not reported
 Year: 1983
 Trans1 State ID: DEC9A09
 Trans2 State ID: Not reported
 Generator Ship Date: 05/09/1983
 Trans1 Recv Date: 05/09/1983
 Trans2 Recv Date: / /
 TSD Site Recv Date: 05/10/1983
 Part A Recv Date: 07/05/2003
 Part B Recv Date: 07/05/2003
 Generator EPA ID: NYD001643816
 Trans1 EPA ID: NYD080336241
 Trans2 EPA ID: Not reported
 TSD ID 1: NYD080336241
 TSD ID 2: Not reported
 Manifest Tracking Number: Not reported
 Import Indicator: Not reported
 Export Indicator: Not reported
 Discr Quantity Indicator: Not reported
 Discr Type Indicator: Not reported
 Discr Residue Indicator: Not reported
 Discr Partial Reject Indicator: Not reported
 Discr Full Reject Indicator: Not reported
 Manifest Ref Number: Not reported
 Alt Facility RCRA ID: Not reported
 Alt Facility Sign Date: Not reported
 MGMT Method Type Code: Not reported
 Waste Code: B007 - OTHER MISCELLANEOUS PCB WASTES
 Waste Code: Not reported
 Waste Code: Not reported
 Waste Code: Not reported
 Waste Code: Not reported
 Waste Code: Not reported
 Quantity: 00190
 Units: P - Pounds
 Number of Containers: 060
 Container Type: DT - Dump trucks
 Handling Method: L Landfill.
 Specific Gravity: 100

28
SE
1/2-1
0.945 mi.
4990 ft.

STE OBS LIGHT ANX
NEW WINDSOR, NY

FUDS 1007211505
N/A

Relative:
Higher
Actual:
589 ft.

FUDS:
 EPA Region: 2
 Installation ID: NY29799F121900
 Congressional District Number: 18
 Facility Name: STE OBS LIGHT ANX
 FUDS Number: C02NY0709
 City: NEW WINDSOR
 State: NY
 County: ORANGE
 USACE District: New England District (NAE)
 Status: Properties with all projects at site closeout

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

STE OBS LIGHT ANX (Continued)

1007211505

Current Owner: State Government
EMS Map Link: <https://fudsportal.usace.army.mil/ems/ems/inventory/map/map?id=59156>
Eligibility: Eligible
Has Projects: Yes
NPL Status: Not Listed
X Coord: -74.04489900000001
Y Coord: 41.483798999999998
Latitude: 41.483798999999998
Longitude: -74.04489900000001

FUDS Detail as of Jan 2015:

Fiscal Year: 2013
Federal Facility ID: NY9799F1219
RAB: Not reported
NPL Status: Not Listed
Description: The Stewart Obstruction Light Annex occupied about 3 acres in New Windsor, Orange County, New York. The site was improved with seven obstruction lights. Abandoned tanks are present. It is currently used for airport purposes.
History: Between 1955 and 1956, the U.S. obtained 2.62 acres easement for a service road and power lines. The General Services Administration accepted care of the site on 8 September 1970. By quitclaim deed on 16 October 1970, the GSA conveyed 2.62 acres easement to the State of New York.
CTC: 22
Current Program: Not reported
Future Program: Not reported
Institutional ID: 59156

Count: 3 records.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
NEW WINDSOR	S110043648	LITTLE BRITAIN ROAD	610 LITTLE BRITAIN ROAD	12553	NY VCP, NY BROWNFIELDS
NEW WINDSOR	S121933910	CHG & E LITTLE BRITAIN ROAD	610 LITTLE BRITAIN ROAD	12553	NY SHWS
NEWBURGH	S108467822	CENTRAL HUDSON / NEWBURGH	LITTLE BRITAIN ROAD		NY LTANKS

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 01/30/2020	Source: EPA
Date Data Arrived at EDR: 02/05/2020	Telephone: N/A
Date Made Active in Reports: 02/14/2020	Last EDR Contact: 02/05/2020
Number of Days to Update: 9	Next Scheduled EDR Contact: 04/13/2020
	Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 7
Telephone: 913-551-7247

EPA Region 4
Telephone 404-562-8033

EPA Region 8
Telephone: 303-312-6774

EPA Region 5
Telephone 312-886-6686

EPA Region 9
Telephone: 415-947-4246

EPA Region 10
Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 01/30/2020	Source: EPA
Date Data Arrived at EDR: 02/05/2020	Telephone: N/A
Date Made Active in Reports: 02/14/2020	Last EDR Contact: 02/05/2020
Number of Days to Update: 9	Next Scheduled EDR Contact: 04/13/2020
	Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 10/15/1991
Date Data Arrived at EDR: 02/02/1994
Date Made Active in Reports: 03/30/1994
Number of Days to Update: 56

Source: EPA
Telephone: 202-564-4267
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

Federal Delisted NPL site list

Delisted NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 01/30/2020
Date Data Arrived at EDR: 02/05/2020
Date Made Active in Reports: 02/14/2020
Number of Days to Update: 9

Source: EPA
Telephone: N/A
Last EDR Contact: 02/05/2020
Next Scheduled EDR Contact: 04/13/2020
Data Release Frequency: Quarterly

Federal CERCLIS list

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 04/03/2019
Date Data Arrived at EDR: 04/05/2019
Date Made Active in Reports: 05/14/2019
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 703-603-8704
Last EDR Contact: 04/05/2019
Next Scheduled EDR Contact: 04/13/2020
Data Release Frequency: Varies

SEMS: Superfund Enterprise Management System

SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly known as CERCLIS, renamed to SEMS by the EPA in 2015. The list contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). This dataset also contains sites which are either proposed to or on the National Priorities List (NPL) and the sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 01/30/2020
Date Data Arrived at EDR: 02/05/2020
Date Made Active in Reports: 02/14/2020
Number of Days to Update: 9

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 02/05/2020
Next Scheduled EDR Contact: 04/27/2020
Data Release Frequency: Quarterly

Federal CERCLIS NFRAP site list

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be potential NPL site.

Date of Government Version: 01/30/2020	Source: EPA
Date Data Arrived at EDR: 02/05/2020	Telephone: 800-424-9346
Date Made Active in Reports: 02/14/2020	Last EDR Contact: 02/05/2020
Number of Days to Update: 9	Next Scheduled EDR Contact: 04/27/2020
	Data Release Frequency: Quarterly

Federal RCRA CORRACTS facilities list

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 12/16/2019	Source: EPA
Date Data Arrived at EDR: 12/16/2019	Telephone: 800-424-9346
Date Made Active in Reports: 12/20/2019	Last EDR Contact: 02/27/2020
Number of Days to Update: 4	Next Scheduled EDR Contact: 04/06/2020
	Data Release Frequency: Quarterly

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 12/16/2019	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/16/2019	Telephone: (212) 637-3660
Date Made Active in Reports: 12/20/2019	Last EDR Contact: 02/27/2020
Number of Days to Update: 4	Next Scheduled EDR Contact: 04/06/2020
	Data Release Frequency: Quarterly

Federal RCRA generators list

RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 12/16/2019	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/16/2019	Telephone: (212) 637-3660
Date Made Active in Reports: 12/20/2019	Last EDR Contact: 02/27/2020
Number of Days to Update: 4	Next Scheduled EDR Contact: 04/06/2020
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 12/16/2019	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/16/2019	Telephone: (212) 637-3660
Date Made Active in Reports: 12/20/2019	Last EDR Contact: 02/27/2020
Number of Days to Update: 4	Next Scheduled EDR Contact: 04/06/2020
	Data Release Frequency: Quarterly

RCRA-VSQG: RCRA - Very Small Quantity Generators (Formerly Conditionally Exempt Small Quantity Generators)

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Very small quantity generators (VSQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 12/16/2019	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/16/2019	Telephone: (212) 637-3660
Date Made Active in Reports: 12/20/2019	Last EDR Contact: 02/27/2020
Number of Days to Update: 4	Next Scheduled EDR Contact: 04/06/2020
	Data Release Frequency: Quarterly

Federal institutional controls / engineering controls registries

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 11/04/2019	Source: Department of the Navy
Date Data Arrived at EDR: 11/13/2019	Telephone: 843-820-7326
Date Made Active in Reports: 01/28/2020	Last EDR Contact: 02/10/2020
Number of Days to Update: 76	Next Scheduled EDR Contact: 05/25/2020
	Data Release Frequency: Varies

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 11/22/2019	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/22/2019	Telephone: 703-603-0695
Date Made Active in Reports: 01/28/2020	Last EDR Contact: 02/20/2020
Number of Days to Update: 67	Next Scheduled EDR Contact: 06/08/2020
	Data Release Frequency: Varies

US INST CONTROL: Sites with Institutional Controls

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 11/22/2019	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/22/2019	Telephone: 703-603-0695
Date Made Active in Reports: 01/28/2020	Last EDR Contact: 02/20/2020
Number of Days to Update: 67	Next Scheduled EDR Contact: 06/08/2020
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Federal ERNS list

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 09/09/2019
Date Data Arrived at EDR: 09/09/2019
Date Made Active in Reports: 09/23/2019
Number of Days to Update: 14

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 12/19/2019
Next Scheduled EDR Contact: 04/06/2020
Data Release Frequency: Quarterly

State- and tribal - equivalent CERCLIS

SHWS: Inactive Hazardous Waste Disposal Sites in New York State

Referred to as the State Superfund Program, the Inactive Hazardous Waste Disposal Site Remedial Program is the cleanup program for inactive hazardous waste sites and now includes hazardous substance sites

Date of Government Version: 11/11/2019
Date Data Arrived at EDR: 11/12/2019
Date Made Active in Reports: 01/17/2020
Number of Days to Update: 66

Source: Department of Environmental Conservation
Telephone: 518-402-9622
Last EDR Contact: 02/12/2020
Next Scheduled EDR Contact: 05/25/2020
Data Release Frequency: Annually

State and tribal landfill and/or solid waste disposal site lists

SWF/LF: Facility Register

Solid Waste Facilities/Landfill Sites. SWF/LF type records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. Depending on the state, these may be active or inactive facilities or open dumps that failed to meet RCRA Subtitle D Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 10/09/2019
Date Data Arrived at EDR: 10/10/2019
Date Made Active in Reports: 12/18/2019
Number of Days to Update: 69

Source: Department of Environmental Conservation
Telephone: 518-402-8678
Last EDR Contact: 12/22/2019
Next Scheduled EDR Contact: 04/12/2020
Data Release Frequency: Quarterly

State and tribal leaking storage tank lists

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 10/10/2019
Date Data Arrived at EDR: 12/05/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 67

Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 01/24/2020
Next Scheduled EDR Contact: 05/04/2020
Data Release Frequency: Varies

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 10/11/2019
Date Data Arrived at EDR: 12/04/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 68

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 01/24/2020
Next Scheduled EDR Contact: 05/04/2020
Data Release Frequency: Varies

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 10/03/2019	Source: EPA Region 8
Date Data Arrived at EDR: 12/04/2019	Telephone: 303-312-6271
Date Made Active in Reports: 02/14/2020	Last EDR Contact: 01/24/2020
Number of Days to Update: 72	Next Scheduled EDR Contact: 05/04/2020
	Data Release Frequency: Varies

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 10/04/2019	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/04/2019	Telephone: 415-972-3372
Date Made Active in Reports: 02/27/2020	Last EDR Contact: 01/24/2020
Number of Days to Update: 85	Next Scheduled EDR Contact: 05/04/2020
	Data Release Frequency: Varies

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 10/01/2019	Source: EPA Region 1
Date Data Arrived at EDR: 12/04/2019	Telephone: 617-918-1313
Date Made Active in Reports: 02/10/2020	Last EDR Contact: 01/24/2020
Number of Days to Update: 68	Next Scheduled EDR Contact: 05/04/2020
	Data Release Frequency: Varies

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 10/02/2019	Source: EPA Region 6
Date Data Arrived at EDR: 12/04/2019	Telephone: 214-665-6597
Date Made Active in Reports: 02/10/2020	Last EDR Contact: 01/24/2020
Number of Days to Update: 68	Next Scheduled EDR Contact: 05/04/2020
	Data Release Frequency: Varies

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 10/01/2019	Source: EPA, Region 5
Date Data Arrived at EDR: 12/04/2019	Telephone: 312-886-7439
Date Made Active in Reports: 02/10/2020	Last EDR Contact: 01/24/2020
Number of Days to Update: 68	Next Scheduled EDR Contact: 05/04/2020
	Data Release Frequency: Varies

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 10/15/2019	Source: EPA Region 7
Date Data Arrived at EDR: 12/17/2019	Telephone: 913-551-7003
Date Made Active in Reports: 02/10/2020	Last EDR Contact: 12/16/2019
Number of Days to Update: 55	Next Scheduled EDR Contact: 05/04/2020
	Data Release Frequency: Varies

LTANKS: Spills Information Database

Leaking Storage Tank Incident Reports. These records contain an inventory of reported leaking storage tank incidents reported from 4/1/86 through the most recent update. They can be either leaking underground storage tanks or leaking aboveground storage tanks. The causes of the incidents are tank test failures, tank failures or tank overfills.

Date of Government Version: 11/11/2019	Source: Department of Environmental Conservation
Date Data Arrived at EDR: 11/11/2019	Telephone: 518-402-9549
Date Made Active in Reports: 11/13/2019	Last EDR Contact: 02/07/2020
Number of Days to Update: 2	Next Scheduled EDR Contact: 05/25/2020
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

HIST LTANKS: Listing of Leaking Storage Tanks

A listing of leaking underground and aboveground storage tanks. The causes of the incidents are tank test failures, tank failures or tank overfills. In 2002, the Department of Environmental Conservation stopped providing updates to its original Spills Information Database. This database includes fields that are no longer available from the NYDEC as of January 1, 2002. Current information may be found in the NY LTANKS database. Department of Environmental Conservation.

Date of Government Version: 01/01/2002	Source: Department of Environmental Conservation
Date Data Arrived at EDR: 07/08/2005	Telephone: 518-402-9549
Date Made Active in Reports: 07/14/2005	Last EDR Contact: 07/07/2005
Number of Days to Update: 6	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

State and tribal registered storage tank lists

FEMA UST: Underground Storage Tank Listing

A listing of all FEMA owned underground storage tanks.

Date of Government Version: 08/27/2019	Source: FEMA
Date Data Arrived at EDR: 08/28/2019	Telephone: 202-646-5797
Date Made Active in Reports: 11/11/2019	Last EDR Contact: 01/21/2020
Number of Days to Update: 75	Next Scheduled EDR Contact: 04/20/2020
	Data Release Frequency: Varies

UST: Petroleum Bulk Storage (PBS) Database

Facilities that have petroleum storage capacities in excess of 1,100 gallons and less than 400,000 gallons.

Date of Government Version: 09/23/2019	Source: Department of Environmental Conservation
Date Data Arrived at EDR: 09/25/2019	Telephone: 518-402-9549
Date Made Active in Reports: 11/26/2019	Last EDR Contact: 12/19/2019
Number of Days to Update: 62	Next Scheduled EDR Contact: 04/06/2020
	Data Release Frequency: No Update Planned

CBS UST: Chemical Bulk Storage Database

Facilities that store regulated hazardous substances in underground tanks of any size

Date of Government Version: 01/01/2002	Source: NYSDEC
Date Data Arrived at EDR: 02/20/2002	Telephone: 518-402-9549
Date Made Active in Reports: 03/22/2002	Last EDR Contact: 10/24/2005
Number of Days to Update: 30	Next Scheduled EDR Contact: 01/23/2006
	Data Release Frequency: No Update Planned

MOSF UST: Major Oil Storage Facilities Database

Facilities that may be onshore facilities or vessels, with petroleum storage capacities of 400,000 gallons or greater.

Date of Government Version: 01/01/2002	Source: NYSDEC
Date Data Arrived at EDR: 02/20/2002	Telephone: 518-402-9549
Date Made Active in Reports: 03/22/2002	Last EDR Contact: 07/25/2005
Number of Days to Update: 30	Next Scheduled EDR Contact: 10/24/2005
	Data Release Frequency: No Update Planned

CBS: Chemical Bulk Storage Site Listing

These facilities store regulated hazardous substances in aboveground tanks with capacities of 185 gallons or greater, and/or in underground tanks of any size

Date of Government Version: 09/23/2019	Source: Department of Environmental Conservation
Date Data Arrived at EDR: 09/25/2019	Telephone: 518-402-9549
Date Made Active in Reports: 11/26/2019	Last EDR Contact: 12/19/2019
Number of Days to Update: 62	Next Scheduled EDR Contact: 04/06/2020
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

MOSF: Major Oil Storage Facility Site Listing

These facilities may be onshore facilities or vessels, with petroleum storage capacities of 400,000 gallons or greater.

Date of Government Version: 09/23/2019
Date Data Arrived at EDR: 09/25/2019
Date Made Active in Reports: 11/26/2019
Number of Days to Update: 62

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 12/19/2019
Next Scheduled EDR Contact: 04/06/2020
Data Release Frequency: Quarterly

AST: Petroleum Bulk Storage

Registered Aboveground Storage Tanks.

Date of Government Version: 09/23/2019
Date Data Arrived at EDR: 09/25/2019
Date Made Active in Reports: 11/26/2019
Number of Days to Update: 62

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 12/19/2019
Next Scheduled EDR Contact: 04/06/2020
Data Release Frequency: No Update Planned

CBS AST: Chemical Bulk Storage Database

Facilities that store regulated hazardous substances in aboveground tanks with capacities of 185 gallons or greater, and/or in underground tanks of any size.

Date of Government Version: 01/01/2002
Date Data Arrived at EDR: 02/20/2002
Date Made Active in Reports: 03/22/2002
Number of Days to Update: 30

Source: NYSDEC
Telephone: 518-402-9549
Last EDR Contact: 07/25/2005
Next Scheduled EDR Contact: 10/24/2005
Data Release Frequency: No Update Planned

MOSF AST: Major Oil Storage Facilities Database

Facilities that may be onshore facilities or vessels, with petroleum storage capacities of 400,000 gallons or greater.

Date of Government Version: 01/01/2002
Date Data Arrived at EDR: 02/20/2002
Date Made Active in Reports: 03/22/2002
Number of Days to Update: 30

Source: NYSDEC
Telephone: 518-402-9549
Last EDR Contact: 07/25/2005
Next Scheduled EDR Contact: 10/24/2005
Data Release Frequency: No Update Planned

INDIAN UST R6: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 10/02/2019
Date Data Arrived at EDR: 12/04/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 68

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 01/24/2020
Next Scheduled EDR Contact: 05/04/2020
Data Release Frequency: Varies

INDIAN UST R1: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 10/01/2019
Date Data Arrived at EDR: 12/04/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 68

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 01/24/2020
Next Scheduled EDR Contact: 05/04/2020
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN UST R9: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 10/04/2019	Source: EPA Region 9
Date Data Arrived at EDR: 12/04/2019	Telephone: 415-972-3368
Date Made Active in Reports: 02/27/2020	Last EDR Contact: 01/24/2020
Number of Days to Update: 85	Next Scheduled EDR Contact: 05/04/2020
	Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 10/03/2019	Source: EPA Region 8
Date Data Arrived at EDR: 12/04/2019	Telephone: 303-312-6137
Date Made Active in Reports: 02/14/2020	Last EDR Contact: 01/24/2020
Number of Days to Update: 72	Next Scheduled EDR Contact: 05/04/2020
	Data Release Frequency: Varies

INDIAN UST R10: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 10/11/2019	Source: EPA Region 10
Date Data Arrived at EDR: 12/04/2019	Telephone: 206-553-2857
Date Made Active in Reports: 02/10/2020	Last EDR Contact: 01/24/2020
Number of Days to Update: 68	Next Scheduled EDR Contact: 05/04/2020
	Data Release Frequency: Varies

INDIAN UST R7: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 10/11/2019	Source: EPA Region 7
Date Data Arrived at EDR: 12/04/2019	Telephone: 913-551-7003
Date Made Active in Reports: 02/10/2020	Last EDR Contact: 01/24/2020
Number of Days to Update: 68	Next Scheduled EDR Contact: 05/04/2020
	Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations).

Date of Government Version: 10/10/2019	Source: EPA Region 4
Date Data Arrived at EDR: 12/05/2019	Telephone: 404-562-9424
Date Made Active in Reports: 02/10/2020	Last EDR Contact: 01/24/2020
Number of Days to Update: 67	Next Scheduled EDR Contact: 05/04/2020
	Data Release Frequency: Varies

INDIAN UST R5: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 10/01/2019	Source: EPA Region 5
Date Data Arrived at EDR: 12/04/2019	Telephone: 312-886-6136
Date Made Active in Reports: 02/10/2020	Last EDR Contact: 01/24/2020
Number of Days to Update: 68	Next Scheduled EDR Contact: 05/04/2020
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

TANKS: Storage Tank Facility Listing

This database contains records of facilities that are or have been regulated under Bulk Storage Program. Tank information for these facilities may not be releasable by the state agency.

Date of Government Version: 09/23/2019	Source: Department of Environmental Conservation
Date Data Arrived at EDR: 09/25/2019	Telephone: 518-402-9543
Date Made Active in Reports: 11/26/2019	Last EDR Contact: 12/19/2019
Number of Days to Update: 62	Next Scheduled EDR Contact: 04/06/2020
	Data Release Frequency: Quarterly

State and tribal institutional control / engineering control registries

RES DECL: Restrictive Declarations Listing

A restrictive declaration is a covenant running with the land which binds the present and future owners of the property. As a condition of certain special permits, the City Planning Commission may require an applicant to sign and record a restrictive declaration that places specified conditions on the future use and development of the property. Certain restrictive declarations are indicated by a D on zoning maps.

Date of Government Version: 08/05/2019	Source: NYC Department of City Planning
Date Data Arrived at EDR: 09/18/2019	Telephone: 212-720-3401
Date Made Active in Reports: 11/22/2019	Last EDR Contact: 12/16/2019
Number of Days to Update: 65	Next Scheduled EDR Contact: 03/30/2020
	Data Release Frequency: Varies

ENV RES DECL: Environmental Restrictive Declarations

The Environmental Restrictive Declarations (ERD) listed were recorded in connection with a zoning action against the noted Tax Blocks and Tax Lots, or portion thereof, and are available in the property records on file at the Office of the City Register for Bronx, Kings, New York and Queens counties or at the Richmond County Clerk's office. They contain environmental requirements with respect to hazardous materials, air quality and/or noise in accordance with Section 11-15 of this Resolution.

Date of Government Version: 08/08/2019	Source: New York City Department of City Planning
Date Data Arrived at EDR: 09/18/2019	Telephone: 212-720-3300
Date Made Active in Reports: 11/20/2019	Last EDR Contact: 12/16/2019
Number of Days to Update: 63	Next Scheduled EDR Contact: 03/30/2020
	Data Release Frequency: Varies

ENG CONTROLS: Registry of Engineering Controls

Environmental Remediation sites that have engineering controls in place.

Date of Government Version: 11/11/2019	Source: Department of Environmental Conservation
Date Data Arrived at EDR: 11/12/2019	Telephone: 518-402-9553
Date Made Active in Reports: 01/17/2020	Last EDR Contact: 02/12/2020
Number of Days to Update: 66	Next Scheduled EDR Contact: 05/25/2020
	Data Release Frequency: Quarterly

INST CONTROL: Registry of Institutional Controls

Environmental Remediation sites that have institutional controls in place.

Date of Government Version: 11/11/2019	Source: Department of Environmental Conservation
Date Data Arrived at EDR: 11/12/2019	Telephone: 518-402-9553
Date Made Active in Reports: 01/17/2020	Last EDR Contact: 02/12/2020
Number of Days to Update: 66	Next Scheduled EDR Contact: 05/25/2020
	Data Release Frequency: Quarterly

State and tribal voluntary cleanup sites

INDIAN VCP R1: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 07/27/2015
Date Data Arrived at EDR: 09/29/2015
Date Made Active in Reports: 02/18/2016
Number of Days to Update: 142

Source: EPA, Region 1
Telephone: 617-918-1102
Last EDR Contact: 12/17/2019
Next Scheduled EDR Contact: 04/06/2020
Data Release Frequency: Varies

VCP: Voluntary Cleanup Agreements

New York established its Voluntary Cleanup Program (VCP) to address the environmental, legal and financial barriers that often hinder the redevelopment and reuse of contaminated properties. The Voluntary Cleanup Program was developed to enhance private sector cleanup of brownfields by enabling parties to remediate sites using private rather than public funds and to reduce the development pressures on "greenfield" sites.

Date of Government Version: 11/11/2019
Date Data Arrived at EDR: 11/12/2019
Date Made Active in Reports: 01/17/2020
Number of Days to Update: 66

Source: Department of Environmental Conservation
Telephone: 518-402-9711
Last EDR Contact: 02/12/2020
Next Scheduled EDR Contact: 05/25/2020
Data Release Frequency: Semi-Annually

INDIAN VCP R7: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008
Date Data Arrived at EDR: 04/22/2008
Date Made Active in Reports: 05/19/2008
Number of Days to Update: 27

Source: EPA, Region 7
Telephone: 913-551-7365
Last EDR Contact: 04/20/2009
Next Scheduled EDR Contact: 07/20/2009
Data Release Frequency: Varies

VCP NYC: Voluntary Cleanup Program Listing NYC

New York City voluntary cleanup program sites.

Date of Government Version: 08/20/2019
Date Data Arrived at EDR: 08/21/2019
Date Made Active in Reports: 10/24/2019
Number of Days to Update: 64

Source: New York City Office of Environmental Protection
Telephone: 212-788-8841
Last EDR Contact: 12/12/2019
Next Scheduled EDR Contact: 03/30/2020
Data Release Frequency: Varies

State and tribal Brownfields sites

BROWNFIELDS: Brownfields Site List

A Brownfield is any real property where redevelopment or re-use may be complicated by the presence or potential presence of a hazardous waste, petroleum, pollutant, or contaminant.

Date of Government Version: 11/11/2019
Date Data Arrived at EDR: 11/12/2019
Date Made Active in Reports: 01/17/2020
Number of Days to Update: 66

Source: Department of Environmental Conservation
Telephone: 518-402-9764
Last EDR Contact: 02/12/2020
Next Scheduled EDR Contact: 05/25/2020
Data Release Frequency: Semi-Annually

ERP: Environmental Restoration Program Listing

In an effort to spur the cleanup and redevelopment of brownfields, New Yorkers approved a \$200 million Environmental Restoration or Brownfields Fund as part of the \$1.75 billion Clean Water/Clean Air Bond Act of 1996 (1996 Bond Act). Enhancements to the program were enacted on October 7, 2003. Under the Environmental Restoration Program, the State provides grants to municipalities to reimburse up to 90 percent of on-site eligible costs and 100% of off-site eligible costs for site investigation and remediation activities. Once remediated, the property may then be reused for commercial, industrial, residential or public use.

Date of Government Version: 11/11/2019
Date Data Arrived at EDR: 11/12/2019
Date Made Active in Reports: 01/17/2020
Number of Days to Update: 66

Source: Department of Environmental Conservation
Telephone: 518-402-9622
Last EDR Contact: 02/12/2020
Next Scheduled EDR Contact: 05/25/2020
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites

Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 06/03/2019	Source: Environmental Protection Agency
Date Data Arrived at EDR: 06/04/2019	Telephone: 202-566-2777
Date Made Active in Reports: 08/26/2019	Last EDR Contact: 12/16/2019
Number of Days to Update: 83	Next Scheduled EDR Contact: 03/30/2020
	Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

SWRCY: Registered Recycling Facility List

A listing of recycling facilities.

Date of Government Version: 10/09/2019	Source: Department of Environmental Conservation
Date Data Arrived at EDR: 10/10/2019	Telephone: 518-402-8678
Date Made Active in Reports: 12/18/2019	Last EDR Contact: 12/23/2019
Number of Days to Update: 69	Next Scheduled EDR Contact: 04/13/2020
	Data Release Frequency: Quarterly

SWTIRE: Registered Waste Tire Storage & Facility List

A listing of facilities registered to accept waste tires.

Date of Government Version: 02/27/2018	Source: Department of Environmental Conservation
Date Data Arrived at EDR: 04/06/2018	Telephone: 518-402-8694
Date Made Active in Reports: 06/08/2018	Last EDR Contact: 12/06/2019
Number of Days to Update: 63	Next Scheduled EDR Contact: 03/23/2020
	Data Release Frequency: No Update Planned

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands

Location of open dumps on Indian land.

Date of Government Version: 12/31/1998	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/03/2007	Telephone: 703-308-8245
Date Made Active in Reports: 01/24/2008	Last EDR Contact: 01/27/2020
Number of Days to Update: 52	Next Scheduled EDR Contact: 05/11/2020
	Data Release Frequency: Varies

ODI: Open Dump Inventory

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985	Source: Environmental Protection Agency
Date Data Arrived at EDR: 08/09/2004	Telephone: 800-424-9346
Date Made Active in Reports: 09/17/2004	Last EDR Contact: 06/09/2004
Number of Days to Update: 39	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 01/12/2009
Date Data Arrived at EDR: 05/07/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 137

Source: EPA, Region 9
Telephone: 415-947-4219
Last EDR Contact: 01/17/2020
Next Scheduled EDR Contact: 05/04/2020
Data Release Frequency: No Update Planned

IHS OPEN DUMPS: Open Dumps on Indian Land

A listing of all open dumps located on Indian Land in the United States.

Date of Government Version: 04/01/2014
Date Data Arrived at EDR: 08/06/2014
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 176

Source: Department of Health & Human Services, Indian Health Service
Telephone: 301-443-1452
Last EDR Contact: 01/31/2020
Next Scheduled EDR Contact: 05/11/2020
Data Release Frequency: Varies

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL: National Clandestine Laboratory Register

A listing of clandestine drug lab locations that have been removed from the DEAs National Clandestine Laboratory Register.

Date of Government Version: 06/11/2019
Date Data Arrived at EDR: 06/13/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 82

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 02/21/2020
Next Scheduled EDR Contact: 06/08/2020
Data Release Frequency: No Update Planned

DEL SHWS: Delisted Registry Sites

A database listing of sites delisted from the Registry of Inactive Hazardous Waste Disposal Sites.

Date of Government Version: 11/11/2019
Date Data Arrived at EDR: 11/12/2019
Date Made Active in Reports: 01/17/2020
Number of Days to Update: 66

Source: Department of Environmental Conservation
Telephone: 518-402-9622
Last EDR Contact: 02/12/2020
Next Scheduled EDR Contact: 05/25/2020
Data Release Frequency: Quarterly

US CDL: Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 06/11/2019
Date Data Arrived at EDR: 06/13/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 82

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 02/21/2020
Next Scheduled EDR Contact: 06/08/2020
Data Release Frequency: Quarterly

PFAS: PFAS Contamination Site Location Listing

DEC surveyed select businesses, fire departments, fire training centers, bulk storage facilities, airports, and Department of Defense (DoD) facilities. The responses to the survey have helped to determine if these entities used or stored materials containing PFOA/PFOS including AFFF and dispersants used in Teflon coating operations. The results of this survey will be updated periodically as additional responses are received..

Date of Government Version: 01/16/2019
Date Data Arrived at EDR: 05/08/2019
Date Made Active in Reports: 06/24/2019
Number of Days to Update: 47

Source: Department of Environmental Conservation
Telephone: 518-402-9020
Last EDR Contact: 02/07/2020
Next Scheduled EDR Contact: 05/18/2020
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Local Lists of Registered Storage Tanks

SUFFOLK CO TANKS: Storage Tank Database
Facilities that have no tank information

Date of Government Version: 06/28/2018	Source: Department of Health Services
Date Data Arrived at EDR: 02/05/2019	Telephone: 631-854-2516
Date Made Active in Reports: 03/08/2019	Last EDR Contact: 01/27/2020
Number of Days to Update: 31	Next Scheduled EDR Contact: 05/11/2020
	Data Release Frequency: Varies

HIST UST: Historical Petroleum Bulk Storage Database

These facilities have petroleum storage capacities in excess of 1,100 gallons and less than 400,000 gallons. This database contains detailed information per site. It is no longer updated due to the sensitive nature of the information involved. See UST for more current data.

Date of Government Version: 01/01/2002	Source: Department of Environmental Conservation
Date Data Arrived at EDR: 06/02/2006	Telephone: 518-402-9549
Date Made Active in Reports: 07/20/2006	Last EDR Contact: 10/23/2006
Number of Days to Update: 48	Next Scheduled EDR Contact: 01/22/2007
	Data Release Frequency: Varies

HIST AST: Historical Petroleum Bulk Storage Database

These facilities have petroleum storage capabilities in excess of 1,100 gallons and less than 400,000 gallons. This database contains detailed information per site. No longer updated due to the sensitive nature of the information involved. See AST for more current data.

Date of Government Version: 01/01/2002	Source: Department of Environmental Conservation
Date Data Arrived at EDR: 06/02/2006	Telephone: 518-402-9549
Date Made Active in Reports: 07/20/2006	Last EDR Contact: 10/23/2006
Number of Days to Update: 48	Next Scheduled EDR Contact: 01/22/2007
	Data Release Frequency: No Update Planned

Local Land Records

LIENS: Spill Liens Information

Lien information from the Oil Spill Fund.

Date of Government Version: 11/04/2019	Source: Office of the State Comptroller
Date Data Arrived at EDR: 11/05/2019	Telephone: 518-474-9034
Date Made Active in Reports: 01/14/2020	Last EDR Contact: 02/18/2020
Number of Days to Update: 70	Next Scheduled EDR Contact: 05/18/2020
	Data Release Frequency: Quarterly

LIENS 2: CERCLA Lien Information

A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 01/30/2020	Source: Environmental Protection Agency
Date Data Arrived at EDR: 02/05/2020	Telephone: 202-564-6023
Date Made Active in Reports: 02/14/2020	Last EDR Contact: 02/05/2020
Number of Days to Update: 9	Next Scheduled EDR Contact: 04/13/2020
	Data Release Frequency: Semi-Annually

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/05/2019
Date Data Arrived at EDR: 12/06/2019
Date Made Active in Reports: 02/14/2020
Number of Days to Update: 70

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 12/06/2019
Next Scheduled EDR Contact: 04/06/2020
Data Release Frequency: Quarterly

SPILLS: Spills Information Database

Data collected on spills reported to NYSDEC as required by one or more of the following: Article 12 of the Navigation Law, 6 NYCRR Section 613.8 (from PBS regs), or 6 NYCRR Section 595.2 (from CBS regs). It includes spills active as of April 1, 1986, as well as spills occurring since this date.

Date of Government Version: 11/11/2019
Date Data Arrived at EDR: 11/11/2019
Date Made Active in Reports: 11/13/2019
Number of Days to Update: 2

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 02/07/2020
Next Scheduled EDR Contact: 05/25/2020
Data Release Frequency: Varies

HIST SPILLS: SPILLS Database

This database contains records of chemical and petroleum spill incidents. Under State law, petroleum and hazardous chemical spills that can impact the waters of the state must be reported by the spiller (and, in some cases, by anyone who has knowledge of the spills). In 2002, the Department of Environmental Conservation stopped providing updates to its original Spills Information Database. This database includes fields that are no longer available from the NYDEC as of January 1, 2002. Current information may be found in the NY SPILLS database. Department of Environmental Conservation.

Date of Government Version: 01/01/2002
Date Data Arrived at EDR: 07/08/2005
Date Made Active in Reports: 07/14/2005
Number of Days to Update: 6

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 07/07/2005
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

SPILLS 90: SPILLS90 data from FirstSearch

Spills 90 includes those spill and release records available exclusively from FirstSearch databases. Typically, they may include chemical, oil and/or hazardous substance spills recorded after 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 90.

Date of Government Version: 12/14/2012
Date Data Arrived at EDR: 01/03/2013
Date Made Active in Reports: 02/12/2013
Number of Days to Update: 40

Source: FirstSearch
Telephone: N/A
Last EDR Contact: 01/03/2013
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

SPILLS 80: SPILLS80 data from FirstSearch

Spills 80 includes those spill and release records available from FirstSearch databases prior to 1990. Typically, they may include chemical, oil and/or hazardous substance spills recorded before 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 80.

Date of Government Version: 11/02/2010
Date Data Arrived at EDR: 01/03/2013
Date Made Active in Reports: 03/07/2013
Number of Days to Update: 63

Source: FirstSearch
Telephone: N/A
Last EDR Contact: 01/03/2013
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

Other Ascertainable Records

RCRA NonGen / NLR: RCRA - Non Generators / No Longer Regulated

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/16/2019
Date Data Arrived at EDR: 12/16/2019
Date Made Active in Reports: 12/20/2019
Number of Days to Update: 4

Source: Environmental Protection Agency
Telephone: (212) 637-3660
Last EDR Contact: 02/27/2020
Next Scheduled EDR Contact: 04/06/2020
Data Release Frequency: Quarterly

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 11/12/2019
Date Data Arrived at EDR: 11/19/2019
Date Made Active in Reports: 01/28/2020
Number of Days to Update: 70

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 02/19/2020
Next Scheduled EDR Contact: 06/01/2020
Data Release Frequency: Varies

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 11/10/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 62

Source: USGS
Telephone: 888-275-8747
Last EDR Contact: 01/10/2020
Next Scheduled EDR Contact: 04/20/2020
Data Release Frequency: Semi-Annually

FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 04/02/2018
Date Data Arrived at EDR: 04/11/2018
Date Made Active in Reports: 11/06/2019
Number of Days to Update: 574

Source: U.S. Geological Survey
Telephone: 888-275-8747
Last EDR Contact: 01/09/2020
Next Scheduled EDR Contact: 04/20/2020
Data Release Frequency: N/A

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 01/01/2017
Date Data Arrived at EDR: 02/03/2017
Date Made Active in Reports: 04/07/2017
Number of Days to Update: 63

Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 02/13/2020
Next Scheduled EDR Contact: 05/25/2020
Data Release Frequency: Varies

US FIN ASSUR: Financial Assurance Information

All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

Date of Government Version: 12/16/2019
Date Data Arrived at EDR: 12/19/2019
Date Made Active in Reports: 02/27/2020
Number of Days to Update: 70

Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 12/19/2019
Next Scheduled EDR Contact: 04/06/2020
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

EPA WATCH LIST: EPA WATCH LIST

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

Date of Government Version: 08/30/2013	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/21/2014	Telephone: 617-520-3000
Date Made Active in Reports: 06/17/2014	Last EDR Contact: 02/03/2020
Number of Days to Update: 88	Next Scheduled EDR Contact: 05/18/2020
	Data Release Frequency: Quarterly

2020 COR ACTION: 2020 Corrective Action Program List

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 09/30/2017	Source: Environmental Protection Agency
Date Data Arrived at EDR: 05/08/2018	Telephone: 703-308-4044
Date Made Active in Reports: 07/20/2018	Last EDR Contact: 02/07/2020
Number of Days to Update: 73	Next Scheduled EDR Contact: 05/18/2020
	Data Release Frequency: Varies

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2016	Source: EPA
Date Data Arrived at EDR: 06/21/2017	Telephone: 202-260-5521
Date Made Active in Reports: 01/05/2018	Last EDR Contact: 12/20/2019
Number of Days to Update: 198	Next Scheduled EDR Contact: 03/30/2020
	Data Release Frequency: Every 4 Years

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2017	Source: EPA
Date Data Arrived at EDR: 11/16/2018	Telephone: 202-566-0250
Date Made Active in Reports: 11/21/2019	Last EDR Contact: 02/05/2020
Number of Days to Update: 370	Next Scheduled EDR Contact: 06/01/2020
	Data Release Frequency: Annually

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 05/01/2019	Source: EPA
Date Data Arrived at EDR: 10/23/2019	Telephone: 202-564-4203
Date Made Active in Reports: 01/15/2020	Last EDR Contact: 01/24/2020
Number of Days to Update: 84	Next Scheduled EDR Contact: 05/04/2020
	Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 01/30/2020	Source: EPA
Date Data Arrived at EDR: 02/05/2020	Telephone: 703-416-0223
Date Made Active in Reports: 02/14/2020	Last EDR Contact: 02/05/2020
Number of Days to Update: 9	Next Scheduled EDR Contact: 03/16/2020
	Data Release Frequency: Annually

RMP: Risk Management Plans

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 04/25/2019	Source: Environmental Protection Agency
Date Data Arrived at EDR: 05/02/2019	Telephone: 202-564-8600
Date Made Active in Reports: 05/23/2019	Last EDR Contact: 01/21/2020
Number of Days to Update: 21	Next Scheduled EDR Contact: 05/04/2020
	Data Release Frequency: Varies

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995	Source: EPA
Date Data Arrived at EDR: 07/03/1995	Telephone: 202-564-4104
Date Made Active in Reports: 08/07/1995	Last EDR Contact: 06/02/2008
Number of Days to Update: 35	Next Scheduled EDR Contact: 09/01/2008
	Data Release Frequency: No Update Planned

PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 01/30/2020	Source: EPA
Date Data Arrived at EDR: 02/06/2020	Telephone: 202-564-6023
Date Made Active in Reports: 02/14/2020	Last EDR Contact: 02/06/2020
Number of Days to Update: 8	Next Scheduled EDR Contact: 05/18/2020
	Data Release Frequency: Quarterly

PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 10/09/2019	Source: EPA
Date Data Arrived at EDR: 10/11/2019	Telephone: 202-566-0500
Date Made Active in Reports: 12/20/2019	Last EDR Contact: 01/10/2020
Number of Days to Update: 70	Next Scheduled EDR Contact: 04/20/2020
	Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 11/18/2016	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/23/2016	Telephone: 202-564-2501
Date Made Active in Reports: 02/10/2017	Last EDR Contact: 01/06/2020
Number of Days to Update: 79	Next Scheduled EDR Contact: 04/20/2020
	Data Release Frequency: Quarterly

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009	Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Date Data Arrived at EDR: 04/16/2009	Telephone: 202-566-1667
Date Made Active in Reports: 05/11/2009	Last EDR Contact: 08/18/2017
Number of Days to Update: 25	Next Scheduled EDR Contact: 12/04/2017
	Data Release Frequency: No Update Planned

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009	Source: EPA
Date Data Arrived at EDR: 04/16/2009	Telephone: 202-566-1667
Date Made Active in Reports: 05/11/2009	Last EDR Contact: 08/18/2017
Number of Days to Update: 25	Next Scheduled EDR Contact: 12/04/2017
	Data Release Frequency: No Update Planned

MLTS: Material Licensing Tracking System

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 10/25/2019	Source: Nuclear Regulatory Commission
Date Data Arrived at EDR: 10/25/2019	Telephone: 301-415-7169
Date Made Active in Reports: 01/15/2020	Last EDR Contact: 01/21/2020
Number of Days to Update: 82	Next Scheduled EDR Contact: 05/04/2020
	Data Release Frequency: Quarterly

COAL ASH DOE: Steam-Electric Plant Operation Data

A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2018	Source: Department of Energy
Date Data Arrived at EDR: 12/04/2019	Telephone: 202-586-8719
Date Made Active in Reports: 01/15/2020	Last EDR Contact: 12/04/2019
Number of Days to Update: 42	Next Scheduled EDR Contact: 03/16/2020
	Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List

A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 01/12/2017	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/05/2019	Telephone: N/A
Date Made Active in Reports: 11/11/2019	Last EDR Contact: 02/27/2020
Number of Days to Update: 251	Next Scheduled EDR Contact: 06/15/2020
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

PCB TRANSFORMER: PCB Transformer Registration Database

The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 09/13/2019	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/06/2019	Telephone: 202-566-0517
Date Made Active in Reports: 02/10/2020	Last EDR Contact: 02/07/2020
Number of Days to Update: 96	Next Scheduled EDR Contact: 05/18/2020
	Data Release Frequency: Varies

RADINFO: Radiation Information Database

The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 07/01/2019	Source: Environmental Protection Agency
Date Data Arrived at EDR: 07/01/2019	Telephone: 202-343-9775
Date Made Active in Reports: 09/23/2019	Last EDR Contact: 12/20/2019
Number of Days to Update: 84	Next Scheduled EDR Contact: 04/13/2020
	Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/01/2007	Telephone: 202-564-2501
Date Made Active in Reports: 04/10/2007	Last EDR Contact: 12/17/2007
Number of Days to Update: 40	Next Scheduled EDR Contact: 03/17/2008
	Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing

A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/01/2007	Telephone: 202-564-2501
Date Made Active in Reports: 04/10/2007	Last EDR Contact: 12/17/2008
Number of Days to Update: 40	Next Scheduled EDR Contact: 03/17/2008
	Data Release Frequency: No Update Planned

DOT OPS: Incident and Accident Data

Department of Transportation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 10/01/2019	Source: Department of Transportation, Office of Pipeline Safety
Date Data Arrived at EDR: 10/29/2019	Telephone: 202-366-4595
Date Made Active in Reports: 01/15/2020	Last EDR Contact: 01/28/2020
Number of Days to Update: 78	Next Scheduled EDR Contact: 05/11/2020
	Data Release Frequency: Quarterly

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 09/30/2019
Date Data Arrived at EDR: 10/09/2019
Date Made Active in Reports: 12/20/2019
Number of Days to Update: 72

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 01/06/2020
Next Scheduled EDR Contact: 04/20/2020
Data Release Frequency: Varies

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2015
Date Data Arrived at EDR: 02/22/2017
Date Made Active in Reports: 09/28/2017
Number of Days to Update: 218

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 02/27/2020
Next Scheduled EDR Contact: 04/06/2020
Data Release Frequency: Biennially

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 07/14/2015
Date Made Active in Reports: 01/10/2017
Number of Days to Update: 546

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 01/07/2020
Next Scheduled EDR Contact: 04/20/2020
Data Release Frequency: Semi-Annually

FUSRAP: Formerly Utilized Sites Remedial Action Program

DOE established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations.

Date of Government Version: 08/08/2017
Date Data Arrived at EDR: 09/11/2018
Date Made Active in Reports: 09/14/2018
Number of Days to Update: 3

Source: Department of Energy
Telephone: 202-586-3559
Last EDR Contact: 01/31/2020
Next Scheduled EDR Contact: 05/18/2020
Data Release Frequency: Varies

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 08/30/2019
Date Data Arrived at EDR: 11/15/2019
Date Made Active in Reports: 01/28/2020
Number of Days to Update: 74

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 02/21/2020
Next Scheduled EDR Contact: 06/01/2020
Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 01/30/2020
Date Data Arrived at EDR: 02/05/2020
Date Made Active in Reports: 02/14/2020
Number of Days to Update: 9

Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 02/05/2020
Next Scheduled EDR Contact: 04/13/2020
Data Release Frequency: Varies

LEAD SMELTER 2: Lead Smelter Sites

A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931 and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 04/05/2001
Date Data Arrived at EDR: 10/27/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 36

Source: American Journal of Public Health
Telephone: 703-305-6451
Last EDR Contact: 12/02/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)

The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

US AIRS MINOR: Air Facility System Data

A listing of minor source facilities.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

US MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 11/06/2019
Date Data Arrived at EDR: 11/25/2019
Date Made Active in Reports: 01/28/2020
Number of Days to Update: 64

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 02/25/2020
Next Scheduled EDR Contact: 06/08/2020
Data Release Frequency: Semi-Annually

MINES VIOLATIONS: MSHA Violation Assessment Data

Mines violation and assessment information. Department of Labor, Mine Safety & Health Administration.

Date of Government Version: 12/03/2019
Date Data Arrived at EDR: 12/03/2019
Date Made Active in Reports: 01/28/2020
Number of Days to Update: 56

Source: DOL, Mine Safety & Health Admi
Telephone: 202-693-9424
Last EDR Contact: 12/02/2019
Next Scheduled EDR Contact: 03/16/2020
Data Release Frequency: Quarterly

US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing

This map layer includes ferrous (ferrous metal mines are facilities that extract ferrous metals, such as iron ore or molybdenum) and nonferrous (Nonferrous metal mines are facilities that extract nonferrous metals, such as gold, silver, copper, zinc, and lead) metal mines in the United States.

Date of Government Version: 12/05/2005
Date Data Arrived at EDR: 02/29/2008
Date Made Active in Reports: 04/18/2008
Number of Days to Update: 49

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 02/28/2020
Next Scheduled EDR Contact: 06/08/2020
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

US MINES 3: Active Mines & Mineral Plants Database Listing

Active Mines and Mineral Processing Plant operations for commodities monitored by the Minerals Information Team of the USGS.

Date of Government Version: 04/14/2011	Source: USGS
Date Data Arrived at EDR: 06/08/2011	Telephone: 703-648-7709
Date Made Active in Reports: 09/13/2011	Last EDR Contact: 02/28/2020
Number of Days to Update: 97	Next Scheduled EDR Contact: 06/08/2020
	Data Release Frequency: Varies

ABANDONED MINES: Abandoned Mines

An inventory of land and water impacted by past mining (primarily coal mining) is maintained by OSMRE to provide information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). The inventory contains information on the location, type, and extent of AML impacts, as well as, information on the cost associated with the reclamation of those problems. The inventory is based upon field surveys by State, Tribal, and OSMRE program officials. It is dynamic to the extent that it is modified as new problems are identified and existing problems are reclaimed.

Date of Government Version: 12/09/2019	Source: Department of Interior
Date Data Arrived at EDR: 12/11/2019	Telephone: 202-208-2609
Date Made Active in Reports: 02/27/2020	Last EDR Contact: 12/04/2019
Number of Days to Update: 78	Next Scheduled EDR Contact: 03/23/2020
	Data Release Frequency: Quarterly

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 08/12/2019	Source: EPA
Date Data Arrived at EDR: 09/04/2019	Telephone: (212) 637-3000
Date Made Active in Reports: 12/03/2019	Last EDR Contact: 12/04/2019
Number of Days to Update: 90	Next Scheduled EDR Contact: 03/16/2020
	Data Release Frequency: Quarterly

UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

Date of Government Version: 12/31/2017	Source: Department of Defense
Date Data Arrived at EDR: 01/17/2019	Telephone: 703-704-1564
Date Made Active in Reports: 04/01/2019	Last EDR Contact: 01/13/2020
Number of Days to Update: 74	Next Scheduled EDR Contact: 04/27/2020
	Data Release Frequency: Varies

DOCKET HWC: Hazardous Waste Compliance Docket Listing

A complete list of the Federal Agency Hazardous Waste Compliance Docket Facilities.

Date of Government Version: 05/31/2018	Source: Environmental Protection Agency
Date Data Arrived at EDR: 07/26/2018	Telephone: 202-564-0527
Date Made Active in Reports: 10/05/2018	Last EDR Contact: 02/21/2020
Number of Days to Update: 71	Next Scheduled EDR Contact: 06/08/2020
	Data Release Frequency: Varies

ECHO: Enforcement & Compliance History Information

ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 10/06/2019
Date Data Arrived at EDR: 10/08/2019
Date Made Active in Reports: 01/02/2020
Number of Days to Update: 86

Source: Environmental Protection Agency
Telephone: 202-564-2280
Last EDR Contact: 01/07/2020
Next Scheduled EDR Contact: 04/20/2020
Data Release Frequency: Quarterly

FUELS PROGRAM: EPA Fuels Program Registered Listing

This listing includes facilities that are registered under the Part 80 (Code of Federal Regulations) EPA Fuels Programs. All companies now are required to submit new and updated registrations.

Date of Government Version: 11/18/2019
Date Data Arrived at EDR: 11/19/2019
Date Made Active in Reports: 01/28/2020
Number of Days to Update: 70

Source: EPA
Telephone: 800-385-6164
Last EDR Contact: 02/19/2020
Next Scheduled EDR Contact: 06/01/2020
Data Release Frequency: Quarterly

AIRS: Air Emissions Data

Point source emissions inventory data.

Date of Government Version: 08/14/2019
Date Data Arrived at EDR: 08/14/2019
Date Made Active in Reports: 10/16/2019
Number of Days to Update: 63

Source: Department of Environmental Conservation
Telephone: 518-402-8452
Last EDR Contact: 01/08/2020
Next Scheduled EDR Contact: 02/03/2020
Data Release Frequency: Annually

COAL ASH: Coal Ash Disposal Site Listing

A listing of coal ash disposal site locations.

Date of Government Version: 10/09/2019
Date Data Arrived at EDR: 10/10/2019
Date Made Active in Reports: 12/18/2019
Number of Days to Update: 69

Source: Department of Environmental Conservation
Telephone: 518-402-8660
Last EDR Contact: 02/28/2020
Next Scheduled EDR Contact: 04/13/2020
Data Release Frequency: Quarterly

DRYCLEANERS: Registered Drycleaners

A listing of all registered drycleaning facilities.

Date of Government Version: 07/12/2019
Date Data Arrived at EDR: 12/09/2019
Date Made Active in Reports: 02/06/2020
Number of Days to Update: 59

Source: Department of Environmental Conservation
Telephone: 518-402-8403
Last EDR Contact: 12/03/2019
Next Scheduled EDR Contact: 03/23/2020
Data Release Frequency: Annually

E DESIGNATION: E DESIGNATION SITE LISTING

The (E (Environmental)) designation would ensure that sampling and remediation take place on the subject properties, and would avoid any significant impacts related to hazardous materials at these locations. The (E) designations would require that the fee owner of the sites conduct a testing and sampling protocol, and remediation where appropriate, to the satisfaction of the NYCDEP before the issuance of a building permit by the Department of Buildings pursuant to the provisions of Section 11-15 of the Zoning Resolution (Environmental Requirements). The (E) designations also include a mandatory construction-related health and safety plan which must be approved by NYCDEP.

Date of Government Version: 08/05/2019
Date Data Arrived at EDR: 09/19/2019
Date Made Active in Reports: 11/22/2019
Number of Days to Update: 64

Source: New York City Department of City Planning
Telephone: 718-595-6658
Last EDR Contact: 12/16/2019
Next Scheduled EDR Contact: 03/30/2020
Data Release Frequency: Semi-Annually

Financial Assurance 1: Financial Assurance Information Listing

Financial assurance information.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 07/01/2019
Date Data Arrived at EDR: 07/02/2019
Date Made Active in Reports: 09/06/2019
Number of Days to Update: 66

Source: Department of Environmental Conservation
Telephone: 518-402-8660
Last EDR Contact: 02/06/2020
Next Scheduled EDR Contact: 04/13/2020
Data Release Frequency: Quarterly

Financial Assurance 2: Financial Assurance Information Listing

A listing of financial assurance information for hazardous waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 03/01/2019
Date Data Arrived at EDR: 03/19/2019
Date Made Active in Reports: 06/18/2019
Number of Days to Update: 91

Source: Department of Environmental Conservation
Telephone: 518-402-8712
Last EDR Contact: 12/06/2019
Next Scheduled EDR Contact: 03/23/2020
Data Release Frequency: Varies

HSWDS: Hazardous Substance Waste Disposal Site Inventory

The list includes any known or suspected hazardous substance waste disposal sites. Also included are sites delisted from the Registry of Inactive Hazardous Waste Disposal Sites and non-Registry sites that U.S. EPA Preliminary Assessment (PA) reports or Site Investigation (SI) reports were prepared. Hazardous Substance Waste Disposal Sites are eligible to be Superfund sites now that the New York State Superfund has been refinanced and changed. This means that the study inventory has served its purpose and will no longer be maintained as a separate entity. The last version of the study inventory is frozen in time. The sites on the study will not automatically be made Superfund sites, rather each site will be further evaluated for listing on the Registry. So overtime they will be added to the registry or not.

Date of Government Version: 01/01/2003
Date Data Arrived at EDR: 10/20/2006
Date Made Active in Reports: 11/30/2006
Number of Days to Update: 41

Source: Department of Environmental Conservation
Telephone: 518-402-9564
Last EDR Contact: 05/26/2009
Next Scheduled EDR Contact: 08/24/2009
Data Release Frequency: No Update Planned

NY MANIFEST: Facility and Manifest Data

Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 01/01/2019
Date Data Arrived at EDR: 05/01/2019
Date Made Active in Reports: 06/21/2019
Number of Days to Update: 51

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 01/31/2020
Next Scheduled EDR Contact: 05/11/2020
Data Release Frequency: Quarterly

SPDES: State Pollutant Discharge Elimination System

New York State has a state program which has been approved by the United States Environmental Protection Agency for the control of wastewater and stormwater discharges in accordance with the Clean Water Act. Under New York State law the program is known as the State Pollutant Discharge Elimination System (SPDES) and is broader in scope than that required by the Clean Water Act in that it controls point source discharges to groundwaters as well as surface waters.

Date of Government Version: 11/14/2019
Date Data Arrived at EDR: 11/15/2019
Date Made Active in Reports: 01/17/2020
Number of Days to Update: 63

Source: Department of Environmental Conservation
Telephone: 518-402-8233
Last EDR Contact: 01/21/2020
Next Scheduled EDR Contact: 05/04/2020
Data Release Frequency: No Update Planned

VAPOR REOPENED: Vapor Intrusion Legacy Site List

New York is currently re-evaluating previous assumptions and decisions regarding the potential for soil vapor intrusion exposures at sites. As a result, all past, current, and future contaminated sites will be evaluated to determine whether these sites have the potential for exposures related to soil vapor intrusion.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/01/2018
Date Data Arrived at EDR: 02/13/2019
Date Made Active in Reports: 06/13/2019
Number of Days to Update: 120

Source: Department of Environmental Conservation
Telephone: 518-402-9814
Last EDR Contact: 02/14/2020
Next Scheduled EDR Contact: 05/25/2020
Data Release Frequency: Varies

UIC: Underground Injection Control Wells

A listing of enhanced oil recovery underground injection wells.

Date of Government Version: 12/02/2019
Date Data Arrived at EDR: 12/05/2019
Date Made Active in Reports: 02/06/2020
Number of Days to Update: 63

Source: Department of Environmental Conservation
Telephone: 518-402-8056
Last EDR Contact: 12/05/2019
Next Scheduled EDR Contact: 03/16/2020
Data Release Frequency: Quarterly

COOLING TOWERS: Registered Cooling Towers

This data includes the location of cooling towers registered with New York State. The data is self-reported by owners/property managers of cooling towers in service in New York State. In August 2015, the New York State Department of Health released emergency regulations requiring the owners of cooling towers to register them with New York State.

Date of Government Version: 10/15/2019
Date Data Arrived at EDR: 10/16/2019
Date Made Active in Reports: 12/20/2019
Number of Days to Update: 65

Source: Department of Health
Telephone: 518-402-7650
Last EDR Contact: 01/15/2020
Next Scheduled EDR Contact: 04/27/2020
Data Release Frequency: Varies

MINES MRDS: Mineral Resources Data System Mineral Resources Data System

Date of Government Version: 04/06/2018
Date Data Arrived at EDR: 10/21/2019
Date Made Active in Reports: 10/24/2019
Number of Days to Update: 3

Source: USGS
Telephone: 703-648-6533
Last EDR Contact: 02/28/2020
Next Scheduled EDR Contact: 06/08/2020
Data Release Frequency: Varies

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

EDR Hist Auto: EDR Exclusive Historical Auto Stations

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR Hist Cleaner: EDR Exclusive Historical Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA HWS: Recovered Government Archive State Hazardous Waste Facilities List

The EDR Recovered Government Archive State Hazardous Waste database provides a list of SHWS incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Environmental Conservation in New York.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 12/30/2013
Number of Days to Update: 182

Source: Department of Environmental Conservation
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

RGA LF: Recovered Government Archive Solid Waste Facilities List

The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Environmental Conservation in New York.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/10/2014
Number of Days to Update: 193

Source: Department of Environmental Conservation
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

COUNTY RECORDS

CORTLAND COUNTY:

AST - CORTLAND: Cortland County Storage Tank Listing

A listing of aboveground storage tank sites located in Cortland County.

Date of Government Version: 08/20/2019
Date Data Arrived at EDR: 08/20/2019
Date Made Active in Reports: 10/16/2019
Number of Days to Update: 57

Source: Cortland County Health Department
Telephone: 607-753-5035
Last EDR Contact: 01/27/2020
Next Scheduled EDR Contact: 05/11/2020
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

UST - CORTLAND: Cortland County Storage Tank Listing

A listing of underground storage tank sites located in Cortland County.

Date of Government Version: 08/20/2019	Source: Cortland County Health Department
Date Data Arrived at EDR: 08/20/2019	Telephone: 607-753-5035
Date Made Active in Reports: 10/16/2019	Last EDR Contact: 01/27/2020
Number of Days to Update: 57	Next Scheduled EDR Contact: 05/11/2020
	Data Release Frequency: Quarterly

NASSAU COUNTY:

AST - NASSAU: Registered Tank Database

A listing of aboveground storage tank sites located in Nassau County.

Date of Government Version: 01/09/2017	Source: Nassau County Health Department
Date Data Arrived at EDR: 01/11/2017	Telephone: 516-571-3314
Date Made Active in Reports: 02/15/2017	Last EDR Contact: 01/26/2020
Number of Days to Update: 35	Next Scheduled EDR Contact: 05/10/2020
	Data Release Frequency: No Update Planned

AST NCFM: Storage Tank Database

A listing of aboveground storage tank sites located in Nassau County.

Date of Government Version: 02/15/2011	Source: Nassau County Office of the Fire Marshal
Date Data Arrived at EDR: 02/23/2011	Telephone: 516-572-1000
Date Made Active in Reports: 03/29/2011	Last EDR Contact: 01/27/2020
Number of Days to Update: 34	Next Scheduled EDR Contact: 05/11/2020
	Data Release Frequency: Varies

TANKS NASSAU: Registered Tank Database in Nassau County

A listing of facilities in Nassau County with storage tanks.

Date of Government Version: 01/09/2017	Source: Nassau County Department of Health
Date Data Arrived at EDR: 01/11/2017	Telephone: 516-227-9691
Date Made Active in Reports: 02/15/2017	Last EDR Contact: 01/27/2020
Number of Days to Update: 35	Next Scheduled EDR Contact: 05/11/2020
	Data Release Frequency: Varies

UST - NASSAU: Registered Tank Database

A listing of underground storage tank sites located in Nassau County.

Date of Government Version: 01/09/2017	Source: Nassau County Health Department
Date Data Arrived at EDR: 01/11/2017	Telephone: 516-571-3314
Date Made Active in Reports: 02/15/2017	Last EDR Contact: 01/26/2020
Number of Days to Update: 35	Next Scheduled EDR Contact: 05/10/2020
	Data Release Frequency: No Update Planned

UST NCFM: Storage Tank Database

A listing of underground storage tank sites located in Nassau County.

Date of Government Version: 02/15/2011	Source: Nassau County Office of the Fire Marshal
Date Data Arrived at EDR: 02/23/2011	Telephone: 516-572-1000
Date Made Active in Reports: 03/29/2011	Last EDR Contact: 01/27/2020
Number of Days to Update: 34	Next Scheduled EDR Contact: 05/11/2020
	Data Release Frequency: Varies

ROCKLAND COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

AST - ROCKLAND: Petroleum Bulk Storage Database

A listing of aboveground storage tank sites located in Rockland County. Rockland County's Petroleum Bulk Storage (PBS) program is no longer in service. All related operations/duties are now wholly overseen by the New York State Dept. of Environmental Conservation (NYSDEC).

Date of Government Version: 02/02/2017	Source: Rockland County Health Department
Date Data Arrived at EDR: 03/17/2017	Telephone: 914-364-2605
Date Made Active in Reports: 09/22/2017	Last EDR Contact: 12/02/2019
Number of Days to Update: 189	Next Scheduled EDR Contact: 03/16/2020
	Data Release Frequency: No Update Planned

UST - ROCKLAND: Petroleum Bulk Storage Database

A listing of underground storage tank sites located in Rockland County. Rockland County's Petroleum Bulk Storage (PBS) program is no longer in service. All related operations/duties are now wholly overseen by the New York State Dept. of Environmental Conservation (NYSDEC).

Date of Government Version: 02/02/2017	Source: Rockland County Health Department
Date Data Arrived at EDR: 03/17/2017	Telephone: 914-364-2605
Date Made Active in Reports: 09/22/2017	Last EDR Contact: 12/02/2019
Number of Days to Update: 189	Next Scheduled EDR Contact: 03/16/2020
	Data Release Frequency: No Update Planned

SUFFOLK COUNTY:

AST - SUFFOLK: Storage Tank Database

A listing of aboveground storage tank sites located in Suffolk County.

Date of Government Version: 06/28/2018	Source: Suffolk County Department of Health Services
Date Data Arrived at EDR: 12/06/2018	Telephone: 631-854-2521
Date Made Active in Reports: 02/07/2019	Last EDR Contact: 01/27/2020
Number of Days to Update: 63	Next Scheduled EDR Contact: 05/11/2020
	Data Release Frequency: No Update Planned

UST - SUFFOLK: Storage Tank Database

A listing of underground storage tank sites located in Suffolk County.

Date of Government Version: 06/28/2018	Source: Suffolk County Department of Health Services
Date Data Arrived at EDR: 12/06/2018	Telephone: 631-854-2521
Date Made Active in Reports: 02/07/2019	Last EDR Contact: 01/27/2020
Number of Days to Update: 63	Next Scheduled EDR Contact: 05/11/2020
	Data Release Frequency: No Update Planned

WESTCHESTER COUNTY:

AST - WESTCHESTER: Listing of Storage Tanks

A listing of aboveground storage tank sites located in Westchester County.

Date of Government Version: 01/31/2020	Source: Westchester County Department of Health
Date Data Arrived at EDR: 02/11/2020	Telephone: 914-813-5161
Date Made Active in Reports: 02/14/2020	Last EDR Contact: 01/27/2020
Number of Days to Update: 3	Next Scheduled EDR Contact: 05/11/2020
	Data Release Frequency: Semi-Annually

UST - WESTCHESTER: Listing of Storage Tanks

A listing of underground storage tank sites located in Westchester County.

Date of Government Version: 01/31/2020	Source: Westchester County Department of Health
Date Data Arrived at EDR: 02/11/2020	Telephone: 914-813-5161
Date Made Active in Reports: 02/14/2020	Last EDR Contact: 01/27/2020
Number of Days to Update: 3	Next Scheduled EDR Contact: 05/11/2020
	Data Release Frequency: Semi-Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data

Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 05/14/2019
Date Data Arrived at EDR: 12/05/2019
Date Made Active in Reports: 02/03/2020
Number of Days to Update: 60

Source: Department of Energy & Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 01/30/2020
Next Scheduled EDR Contact: 05/25/2020
Data Release Frequency: No Update Planned

NJ MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 04/10/2019
Date Made Active in Reports: 05/16/2019
Number of Days to Update: 36

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 01/06/2020
Next Scheduled EDR Contact: 04/20/2020
Data Release Frequency: Annually

PA MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 06/30/2018
Date Data Arrived at EDR: 07/19/2019
Date Made Active in Reports: 09/10/2019
Number of Days to Update: 53

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 01/14/2020
Next Scheduled EDR Contact: 04/07/2020
Data Release Frequency: Annually

RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 10/02/2019
Date Made Active in Reports: 12/10/2019
Number of Days to Update: 69

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 02/18/2020
Next Scheduled EDR Contact: 06/01/2020
Data Release Frequency: Annually

VT MANIFEST: Hazardous Waste Manifest Data

Hazardous waste manifest information.

Date of Government Version: 10/28/2019
Date Data Arrived at EDR: 10/29/2019
Date Made Active in Reports: 01/09/2020
Number of Days to Update: 72

Source: Department of Environmental Conservation
Telephone: 802-241-3443
Last EDR Contact: 01/13/2020
Next Scheduled EDR Contact: 04/27/2020
Data Release Frequency: Annually

WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 05/31/2018
Date Data Arrived at EDR: 06/19/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 76

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 12/18/2019
Next Scheduled EDR Contact: 03/23/2020
Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Oil/Gas Pipelines

Source: Endeavor Business Media

Petroleum Bundle (Crude Oil, Refined Products, Petrochemicals, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)) N = Natural Gas Bundle (Natural Gas, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)). This map includes information copyrighted by Endeavor Business Media. This information is provided on a best effort basis and Endeavor Business Media does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of Endeavor Business Media.

Electric Power Transmission Line Data

Source: Endeavor Business Media

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Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:

Source: American Hospital Association, Inc.

Telephone: 312-280-5991

The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing

Source: Centers for Medicare & Medicaid Services

Telephone: 410-786-3000

A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes

Source: National Institutes of Health

Telephone: 301-594-6248

Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Day Care Providers

Source: Department of Health

Telephone: 212-676-2444

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.

Source: FEMA

Telephone: 877-336-2627

Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Freshwater Wetlands

Source: Department of Environmental Conservation

Telephone: 518-402-8961

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

STREET AND ADDRESS INFORMATION

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GEOCHECK[®] - PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

33 OLD LITTLE BRITAIN ROAD
33 OLD LITTLE BRITAIN ROAD
NEWBURGH, NY 12550

TARGET PROPERTY COORDINATES

Latitude (North):	41.494995 - 41° 29' 41.98"
Longitude (West):	74.058324 - 74° 3' 29.97"
Universal Transverse Mercator:	Zone 18
UTM X (Meters):	578603.5
UTM Y (Meters):	4593924.0
Elevation:	317 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	5940253 CORNWALL-ON-HUDSON, NY
Version Date:	2013
North Map:	5940263 NEWBURGH, NY
Version Date:	2013

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principle investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

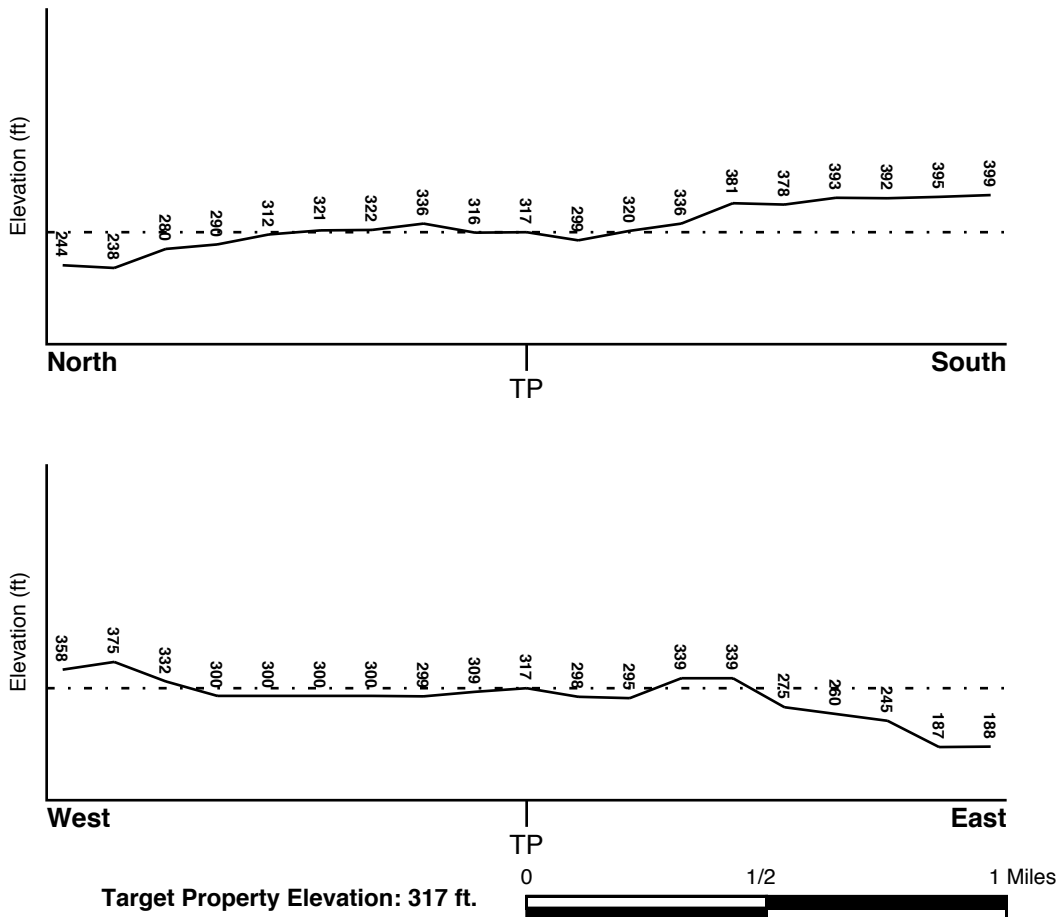
TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General SSE

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

<u>Flood Plain Panel at Target Property</u>	<u>FEMA Source Type</u>
36071C0331E	FEMA FIRM Flood data
<u>Additional Panels in search area:</u>	<u>FEMA Source Type</u>
36071C0139E	FEMA FIRM Flood data
36071C0143E	FEMA FIRM Flood data
36071C0330E	FEMA FIRM Flood data

NATIONAL WETLAND INVENTORY

<u>NWI Quad at Target Property</u>	<u>NWI Electronic Data Coverage</u>
CORNWALL	YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Site-Specific Hydrogeological Data*:

Search Radius:	1.25 miles
Status:	Not found

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

<u>MAP ID</u>	<u>LOCATION FROM TP</u>	<u>GENERAL DIRECTION GROUNDWATER FLOW</u>
Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

Era: Paleozoic
System: Ordovician
Series: Middle Ordovician (Mohawkian)
Code: O2 (decoded above as Era, System & Series)

GEOLOGIC AGE IDENTIFICATION

Category: Stratified Sequence

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps. The following information is based on Soil Conservation Service STATSGO data.

Soil Component Name: STOCKBRIDGE

Soil Surface Texture: silt loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Well drained. Soils have intermediate water holding capacity. Depth to water table is more than 6 feet.

Hydric Status: Soil does not meet the requirements for a hydric soil.

Corrosion Potential - Uncoated Steel: MODERATE

Depth to Bedrock Min: > 60 inches

Depth to Bedrock Max: > 60 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Permeability Rate (in/hr)	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	10 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 2.00 Min: 0.60	Max: 7.30 Min: 5.10
2	10 inches	28 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 2.00 Min: 0.60	Max: 7.30 Min: 5.60
3	28 inches	42 inches	gravelly - loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 0.60 Min: 0.06	Max: 7.30 Min: 5.60
4	42 inches	65 inches	gravelly - loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 0.60 Min: 0.06	Max: 8.40 Min: 5.60

OTHER SOIL TYPES IN AREA

Based on Soil Conservation Service STATSGO data, the following additional subordinant soil types may appear within the general area of target property.

Soil Surface Textures: loam
fine sandy loam
mucky - silt loam
channery - silt loam

Surficial Soil Types: loam
fine sandy loam
mucky - silt loam
channery - silt loam

Shallow Soil Types: fine sandy loam
loamy fine sand

Deeper Soil Types: loam
unweathered bedrock
channery - silt loam
fine sandy loam
gravelly - sandy loam
loamy fine sand
silt loam

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

<u>DATABASE</u>	<u>SEARCH DISTANCE (miles)</u>
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

FEDERAL USGS WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
A2	USGS40000844255	1/4 - 1/2 Mile NE
A3	USGS40000844254	1/4 - 1/2 Mile NE
B4	USGS40000844151	1/2 - 1 Mile South
B5	USGS40000844152	1/2 - 1 Mile South
6	USGS40000844139	1/2 - 1 Mile South
7	USGS40000844135	1/2 - 1 Mile SSE
8	USGS40000844253	1/2 - 1 Mile ENE

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
1	NY0003549	1/4 - 1/2 Mile WSW

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
9	NYWS30000012397	1/2 - 1 Mile WNW
10	NYWS30000012376	1/2 - 1 Mile NW

PHYSICAL SETTING SOURCE MAP - 5992474.2s



- County Boundary
- Major Roads
- Contour Lines
- Airports
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons



- Groundwater Flow Direction
- Indeterminate Groundwater Flow at Location
- Groundwater Flow Varies at Location
- Closest Hydrogeological Data
- Oil, gas or related wells



SITE NAME: 33 Old Little Britain Road
 ADDRESS: 33 Old Little Britain Road
 Newburgh NY 12550
 LAT/LONG: 41.494995 / 74.058324

CLIENT: Alpine Environmental Services
 CONTACT: Denise Salisbury
 INQUIRY #: 5992474.2s
 DATE: March 02, 2020 3:55 pm

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

1
WSW
1/4 - 1/2 Mile
Lower

FRDS PWS NY0003549

PWS ID:	NY0003549	PWS type:	System Owner/Responsible Party
PWS name:	DAMIANO ANDREW J	PWS address:	CITY OF NEWBURGH
PWS address:	CITY HALL, 83 BROADWAY	PWS city:	NEWBURGH
PWS state:	NY	PWS zip:	12550
PWS ID:	NY0003549	Activity status:	Active
Date system activated:	Not Reported	Date system deactivated:	Not Reported
Retail population:	00027000	System name:	NEWBURGH CITY
System address:	Not Reported	System address:	CITY HALL, 83 BROADWAY
System city:	NEWBURGH	System state:	NY
System zip:	12550		
County FIPS:	035	City served:	NEWBURGH
Latitude:	412933	Longitude:	0740516
Latitude:	412933	Longitude:	0740516
Latitude:	412933	Longitude:	0740400

A2
NE
1/4 - 1/2 Mile
Lower

FED USGS USGS40000844255

Organization ID:	USGS-NY	Organization Name:	USGS New York Water Science Center
Monitor Location:	O1105	Type:	Well
Description:	Not Reported	HUC:	02020008
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Units:	Not Reported
Aquifer:	New York and New England carbonate-rock aquifers	Aquifer Type:	Not Reported
Formation Type:	Onondaga Limestone	Well Depth:	57
Construction Date:	Not Reported	Well Hole Depth:	Not Reported
Well Depth Units:	ft		
Well Hole Depth Units:	Not Reported		

A3
NE
1/4 - 1/2 Mile
Lower

FED USGS USGS40000844254

Organization ID:	USGS-NY	Organization Name:	USGS New York Water Science Center
Monitor Location:	O1182	Type:	Well
Description:	Not Reported	HUC:	02020008
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Units:	Not Reported
Aquifer:	New York and New England carbonate-rock aquifers	Aquifer Type:	Not Reported
Formation Type:	Onondaga Limestone	Well Depth:	92
Construction Date:	Not Reported	Well Hole Depth:	Not Reported
Well Depth Units:	ft		
Well Hole Depth Units:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

B4
South
1/2 - 1 Mile
Higher

FED USGS USGS40000844151

Organization ID:	USGS-NY	Organization Name:	USGS New York Water Science Center
Monitor Location:	O 808	Type:	Well
Description:	Not Reported	HUC:	02020008
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	Not Reported
Well Depth:	Not Reported	Well Depth Units:	Not Reported
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported

B5
South
1/2 - 1 Mile
Higher

FED USGS USGS40000844152

Organization ID:	USGS-NY	Organization Name:	USGS New York Water Science Center
Monitor Location:	O1649	Type:	Well
Description:	Not Reported	HUC:	02020008
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Cambrian, Upper
Aquifer Type:	Not Reported	Construction Date:	Not Reported
Well Depth:	Not Reported	Well Depth Units:	Not Reported
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported

6
South
1/2 - 1 Mile
Higher

FED USGS USGS40000844139

Organization ID:	USGS-NY	Organization Name:	USGS New York Water Science Center
Monitor Location:	O1181	Type:	Well
Description:	Not Reported	HUC:	02020008
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Conneaut Group
Aquifer Type:	Not Reported	Construction Date:	Not Reported
Well Depth:	198	Well Depth Units:	ft
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported

7
SSE
1/2 - 1 Mile
Higher

FED USGS USGS40000844135

Organization ID:	USGS-NY	Organization Name:	USGS New York Water Science Center
Monitor Location:	O1134	Type:	Well
Description:	Not Reported	HUC:	02020008
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Precambrian Erathem
Aquifer Type:	Not Reported	Construction Date:	Not Reported
Well Depth:	82	Well Depth Units:	ft
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported

8
ENE
1/2 - 1 Mile
Lower

FED USGS USGS40000844253

Organization ID:	USGS-NY	Organization Name:	USGS New York Water Science Center
Monitor Location:	O1104	Type:	Well
Description:	Not Reported	HUC:	02020008
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	New York and New England carbonate-rock aquifers	Aquifer Type:	Not Reported
Formation Type:	Onondaga Limestone	Well Depth:	285
Construction Date:	Not Reported	Well Hole Depth:	Not Reported
Well Depth Units:	ft		
Well Hole Depth Units:	Not Reported		

9
WNW
1/2 - 1 Mile
Higher

NY WELLS NYWS30000012397

DEC Well #:	O6295	Location Description:	ORR RD
Well Depth (ft):	93	Bedrock Depth (ft):	61
Groundwater Depth (ft):	20	Casing Depth(ft):	91
Screened Well:	N	Avg Dischg Rate (g/m):	10
Driller Registration #:	NYRD10121		

10
NW
1/2 - 1 Mile
Higher

NY WELLS NYWS30000012376

DEC Well #:	O4396	Location Description:	N/A
Well Depth (ft):	303	Bedrock Depth (ft):	85
Groundwater Depth (ft):	30	Casing Depth(ft):	94
Screened Well:	N	Avg Dischg Rate (g/m):	10
Driller Registration #:	NYRD10063		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

AREA RADON INFORMATION

State Database: NY Radon

Radon Test Results

County	Town	Num Tests	Avg Result	Geo Mean	Max Result
ORANGE	BLOOMING GR.	77	4.48	2.32	70.2
ORANGE	CHESTER	62	5.27	2.5	48
ORANGE	CORNWALL	104	5.83	3.42	63.6
ORANGE	CRAWFORD	32	3.48	2.26	19.2
ORANGE	DEER PARK	19	3.45	2.46	9.3
ORANGE	GOSHEN	68	5.37	3.02	41.5
ORANGE	GREENVILLE	16	6.36	3.58	35.6
ORANGE	HAMPTONBURGH	49	6.88	5.02	30.4
ORANGE	HIGHLANDS	72	6.91	4.94	35.2
ORANGE	MIDDLETOWN	205	4.09	2.44	40.6
ORANGE	MINISINK	17	8.76	3.08	71.5
ORANGE	MONROE	317	3.3	2.06	34.4
ORANGE	MONTGOMERY	139	6.5	3.17	143.6
ORANGE	MT. HOPE	20	4.6	3.44	15.3
ORANGE	NEW WINDSOR	88	4.05	2.34	31.4
ORANGE	NEWBURGH	263	5.64	3.32	120.6
ORANGE	PORT JERVIS	61	4.53	2.79	25.5
ORANGE	TUXEDO	53	6.26	3.58	28.5
ORANGE	WALLKILL	103	5.17	3.06	50.5
ORANGE	WARWICK	369	7.61	3.96	160.8
ORANGE	WAWAYANDA	42	4.48	2.88	36.1
ORANGE	WOODBURY	97	3.68	2.35	25

Federal EPA Radon Zone for ORANGE County: 1

- Note: Zone 1 indoor average level > 4 pCi/L.
 : Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
 : Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for ORANGE COUNTY, NY

Number of sites tested: 268

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area	1.270 pCi/L	91%	8%	1%
Basement	2.370 pCi/L	73%	26%	2%

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)

Source: United States Geologic Survey

EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Current USGS 7.5 Minute Topographic Map

Source: U.S. Geological Survey

HYDROLOGIC INFORMATION

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.

Source: FEMA

Telephone: 877-336-2627

Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Freshwater Wetlands

Source: Department of Environmental Conservation

Telephone: 518-402-8961

HYDROGEOLOGIC INFORMATION

AQUIFLOW^R Information System

Source: EDR proprietary database of groundwater flow information

EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit

Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)

The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)

Telephone: 800-672-5559

SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Service, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)

This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

STATE RECORDS

New York Public Water Wells

Source: New York Department of Health

Telephone: 518-458-6731

OTHER STATE DATABASE INFORMATION

Oil and Gas Well Database

Source: Department of Environmental Conservation

Telephone: 518-402-8072

These files contain records, in the database, of wells that have been drilled.

RADON

State Database: NY Radon

Source: Department of Health

Telephone: 518-402-7556

Radon Test Results

Area Radon Information

Source: USGS

Telephone: 703-356-4020

The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones

Source: EPA

Telephone: 703-356-4020

Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

OTHER

Airport Landing Facilities: Private and public use landing facilities

Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater

Source: Department of Commerce, National Oceanic and Atmospheric Administration

Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary faultlines, prepared in 1975 by the United State Geological Survey

PHYSICAL SETTING SOURCE RECORDS SEARCHED

STREET AND ADDRESS INFORMATION

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Appendix C:
Sanborn Fire Insurance Maps

33 Old Little Britain Road
33 Old Little Britain Road
Newburgh, NY 12550

Inquiry Number: 5992474.3

March 02, 2020

Certified Sanborn® Map Report



6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

Certified Sanborn® Map Report

03/02/20

Site Name:

33 Old Little Britain Road
33 Old Little Britain Road
Newburgh, NY 12550
EDR Inquiry # 5992474.3

Client Name:

Alpine Environmental Services
438 New Karner Road
Albany, NY 12205-0000
Contact: Denise Salisbury



The Sanborn Library has been searched by EDR and maps covering the target property location as provided by Alpine Environmental Services were identified for the years listed below. The Sanborn Library is the largest, most complete collection of fire insurance maps. The collection includes maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow, and others. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by the Sanborn Library LLC, the copyright holder for the collection. Results can be authenticated by visiting www.edrnet.com/sanborn.

The Sanborn Library is continually enhanced with newly identified map archives. This report accesses all maps in the collection as of the day this report was generated.

Certified Sanborn Results:

Certification # 647F-4052-B5B2
PO # NA
Project 20-25458-E



Sanborn® Library search results

Certification #: 647F-4052-B5B2

UNMAPPED PROPERTY

This report certifies that the complete holdings of the Sanborn Library, LLC collection have been searched based on client supplied target property information, and fire insurance maps covering the target property were not found.

The Sanborn Library includes more than 1.2 million fire insurance maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow and others which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

- Library of Congress
- University Publications of America
- EDR Private Collection

The Sanborn Library LLC Since 1866™

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Appendix D:
Historic Site Area Aerial Photographs



33 Old Little Britain Road

33 Old Little Britain Road

Newburgh, NY 12550

Inquiry Number: 5992474.8

March 02, 2020

The EDR Aerial Photo Decade Package



6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

EDR Aerial Photo Decade Package

03/02/20

Site Name:

33 Old Little Britain Road
33 Old Little Britain Road
Newburgh, NY 12550
EDR Inquiry # 5992474.8

Client Name:

Alpine Environmental Services
438 New Karner Road
Albany, NY 12205-0000
Contact: Denise Salisbury



Environmental Data Resources, Inc. (EDR) Aerial Photo Decade Package is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's professional researchers provide digitally reproduced historical aerial photographs, and when available, provide one photo per decade.

Search Results:

<u>Year</u>	<u>Scale</u>	<u>Details</u>	<u>Source</u>
2017	1"=500'	Flight Year: 2017	USDA/NAIP
2013	1"=500'	Flight Year: 2013	USDA/NAIP
2009	1"=500'	Flight Year: 2009	USDA/NAIP
2006	1"=500'	Flight Year: 2006	USDA/NAIP
1994	1"=500'	Acquisition Date: April 20, 1994	USGS/DOQQ
1985	1"=500'	Flight Date: March 16, 1985	USDA
1975	1"=500'	Flight Date: July 29, 1975	USDA
1962	1"=500'	Flight Date: March 25, 1962	EDR Proprietary Aerial Viewpoint
1942	1"=500'	Flight Date: January 01, 1942	FirstSearch
1940	1"=500'	Flight Date: April 06, 1940	EDR Proprietary Aerial Viewpoint

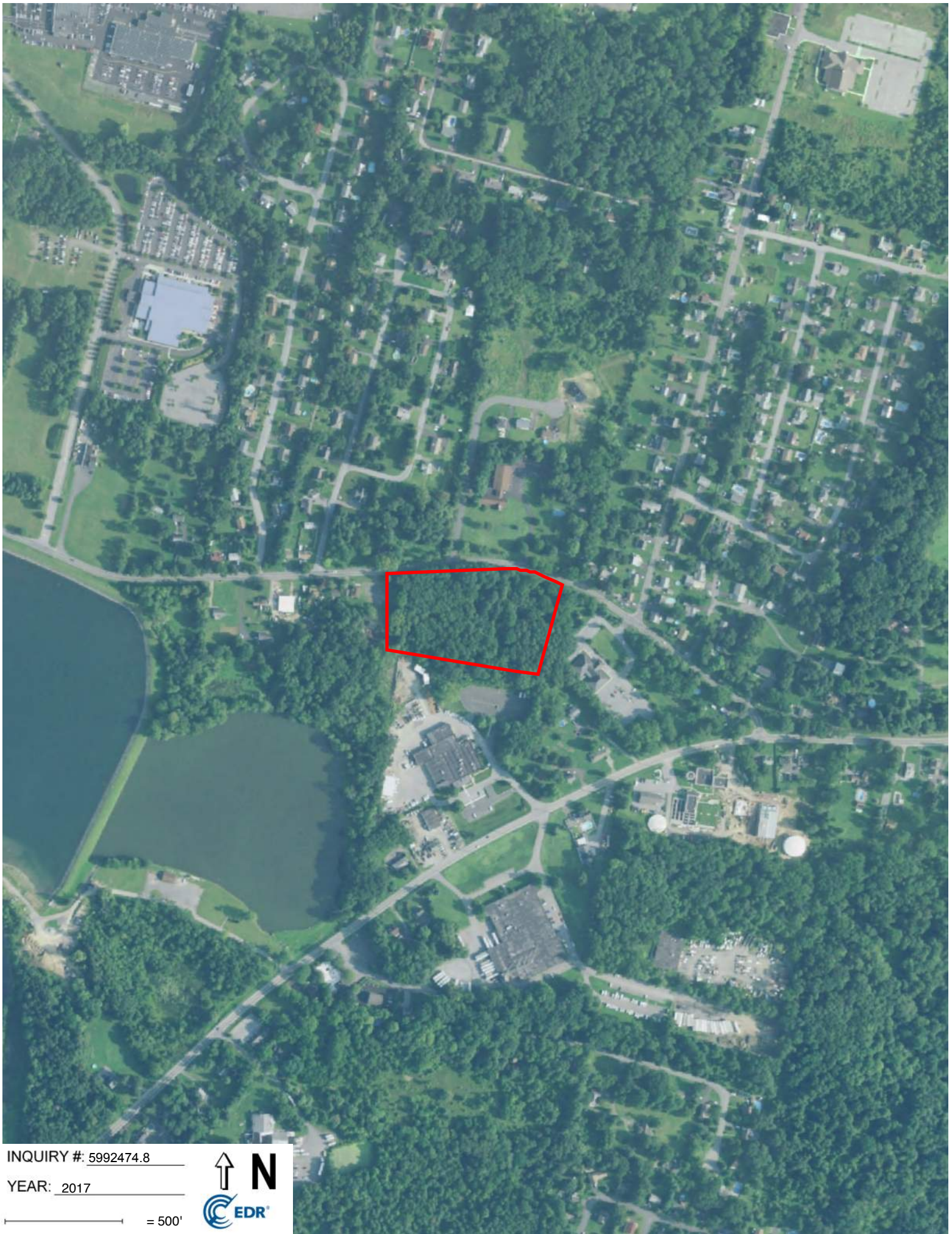
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INQUIRY #: 5992474.8

YEAR: 2017

— = 500'



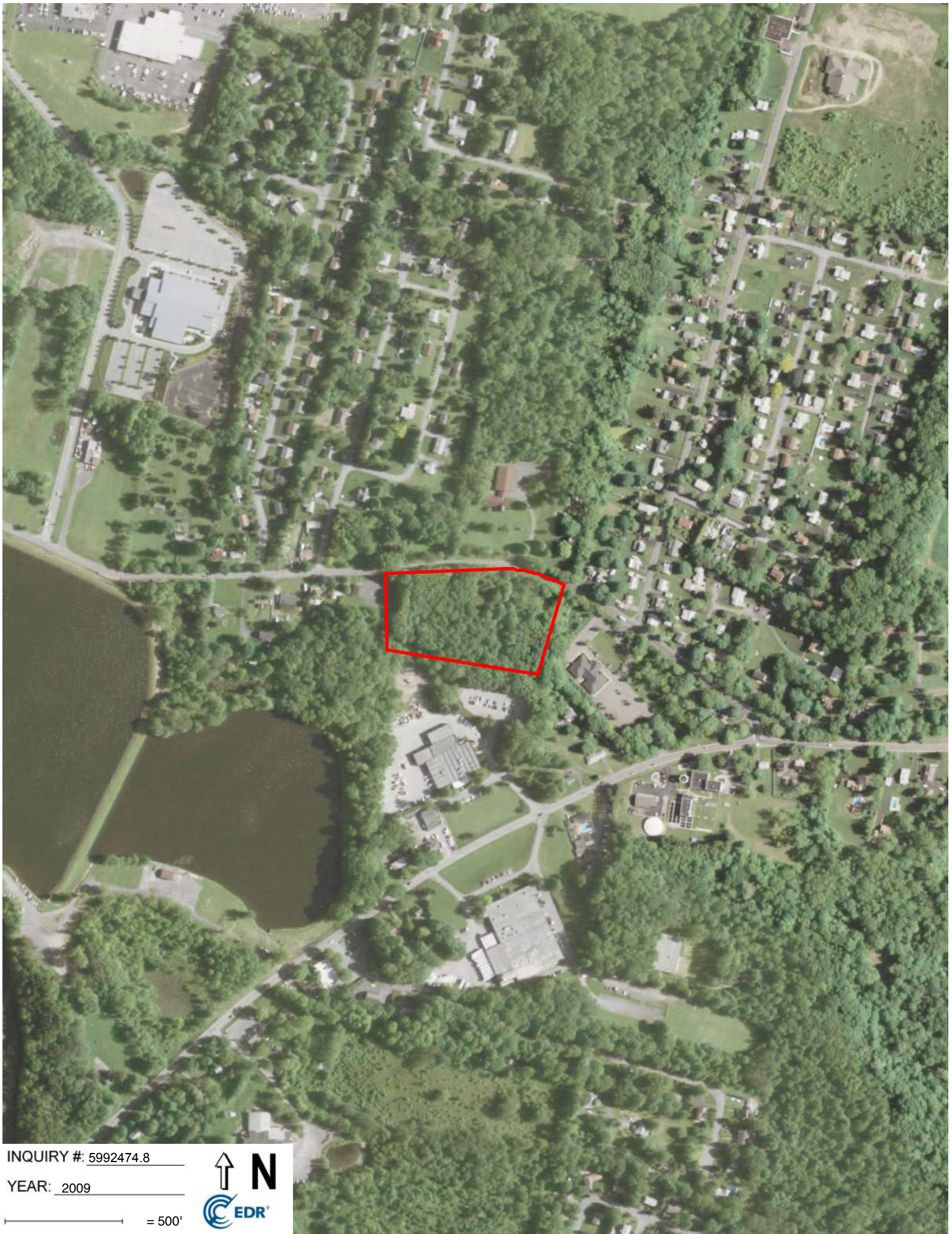


INQUIRY #: 5992474.8

YEAR: 2013

— = 500'





INQUIRY #: 5992474.8

YEAR: 2009

— = 500'





INQUIRY #: 5992474.8

YEAR: 2006

— = 500'





INQUIRY #: 5992474.8

YEAR: 1994

— = 500'





INQUIRY #: 5992474.8

YEAR: 1985

— = 500'





INQUIRY #: 5992474.8

YEAR: 1975

— = 500'





INQUIRY #: 5992474.8

YEAR: 1962

— = 500'





INQUIRY #: 5992474.8

YEAR: 1942

— = 500'





INQUIRY #: 5992474.8

YEAR: 1940

— = 500'



Appendix E
Historic Site Area Topographic Maps

33 Old Little Britain Road
33 Old Little Britain Road
Newburgh, NY 12550

Inquiry Number: 5992474.4

March 02, 2020

EDR Historical Topo Map Report

with QuadMatch™



6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

EDR Historical Topo Map Report

03/02/20

Site Name:

33 Old Little Britain Road
33 Old Little Britain Road
Newburgh, NY 12550
EDR Inquiry # 5992474.4

Client Name:

Alpine Environmental Services
438 New Karner Road
Albany, NY 12205-0000
Contact: Denise Salisbury



EDR Topographic Map Library has been searched by EDR and maps covering the target property location as provided by Alpine Environmental Services were identified for the years listed below. EDR's Historical Topo Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. EDR's Historical Topo Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the late 1800s.

Search Results:**Coordinates:**

P.O.#	NA	Latitude:	41.494995 41° 29' 42" North
Project:	20-25458-E	Longitude:	-74.058324 -74° 3' 30" West
		UTM Zone:	Zone 18 North
		UTM X Meters:	578601.38
		UTM Y Meters:	4594136.55
		Elevation:	319.89' above sea level

Maps Provided:

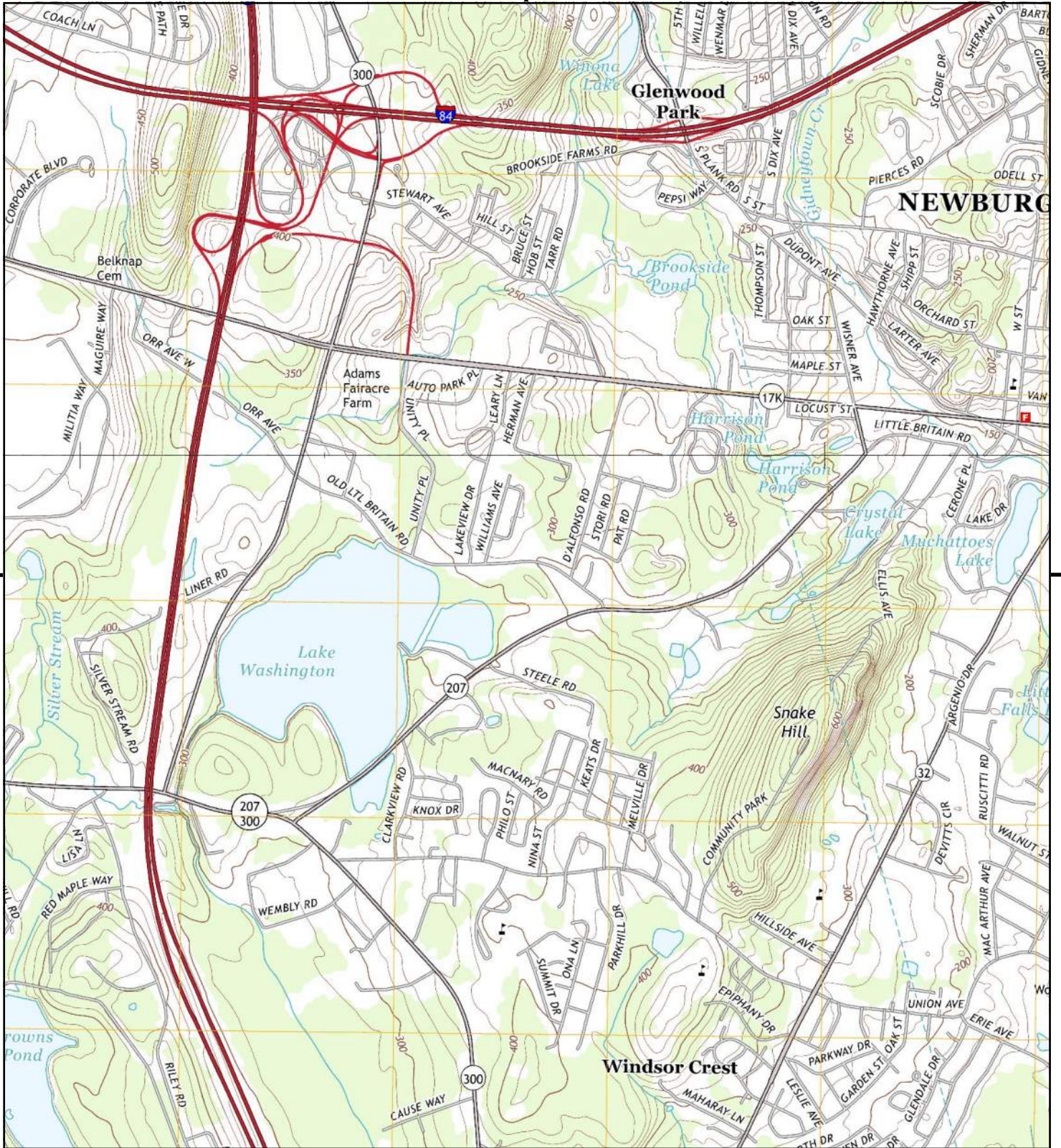
2013 1902, 1903
1994
1981
1957
1947
1941, 1946
1935
1930

Disclaimer - Copyright and Trademark Notice

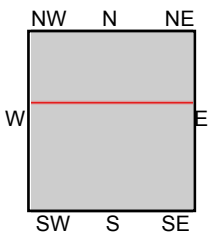
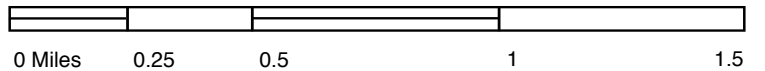
This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OF DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT. Purchaser accepts this Report "AS IS". Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

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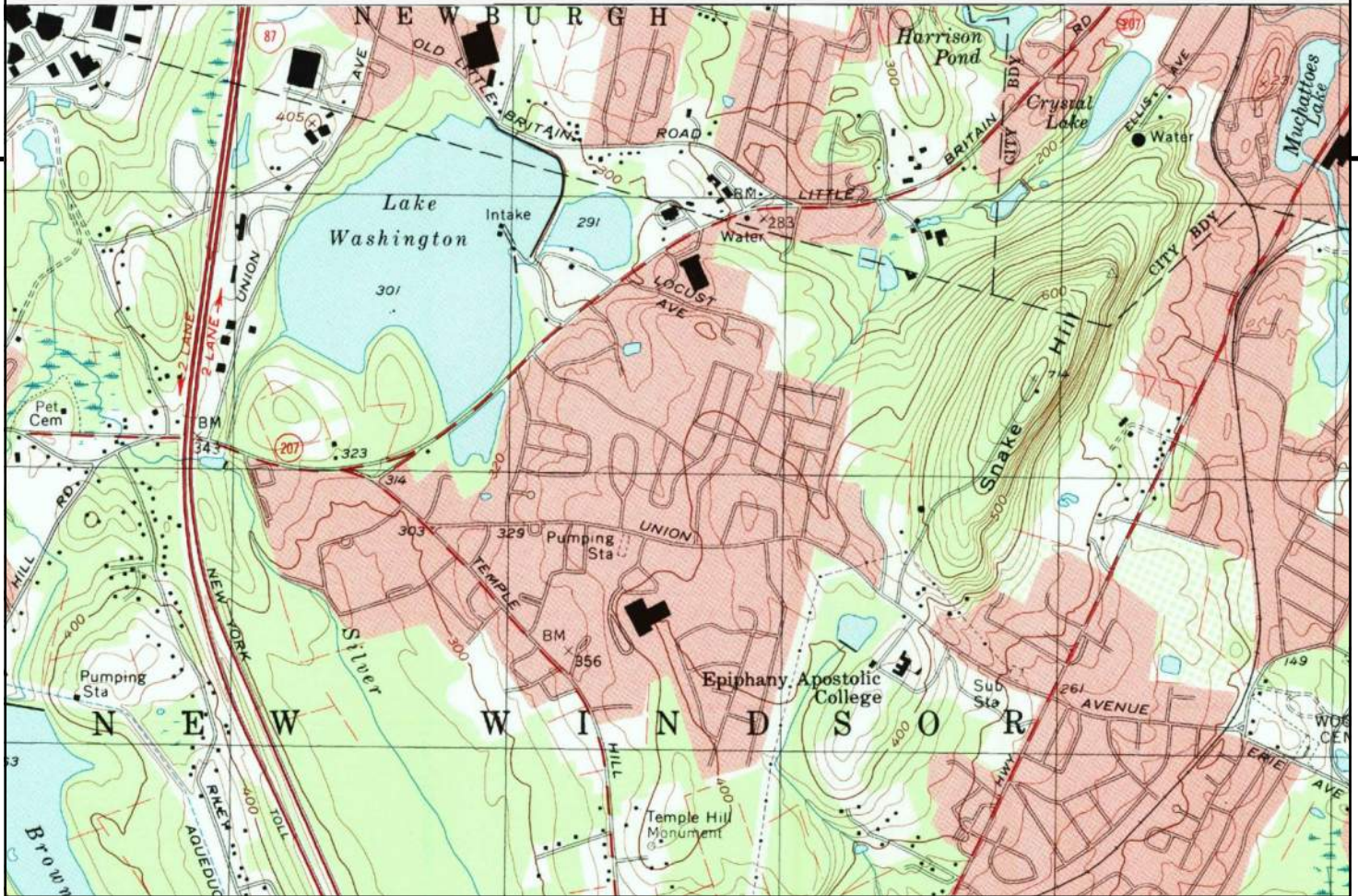
This report includes information from the following map sheet(s).



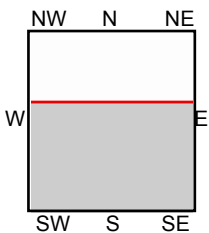
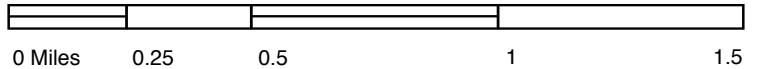
TP, Cornwall-on-Hudson, 2013, 7.5-minute
 N, Newburgh, 2013, 7.5-minute

SITE NAME: 33 Old Little Britain Road
ADDRESS: 33 Old Little Britain Road
 Newburgh, NY 12550
CLIENT: Alpine Environmental Services





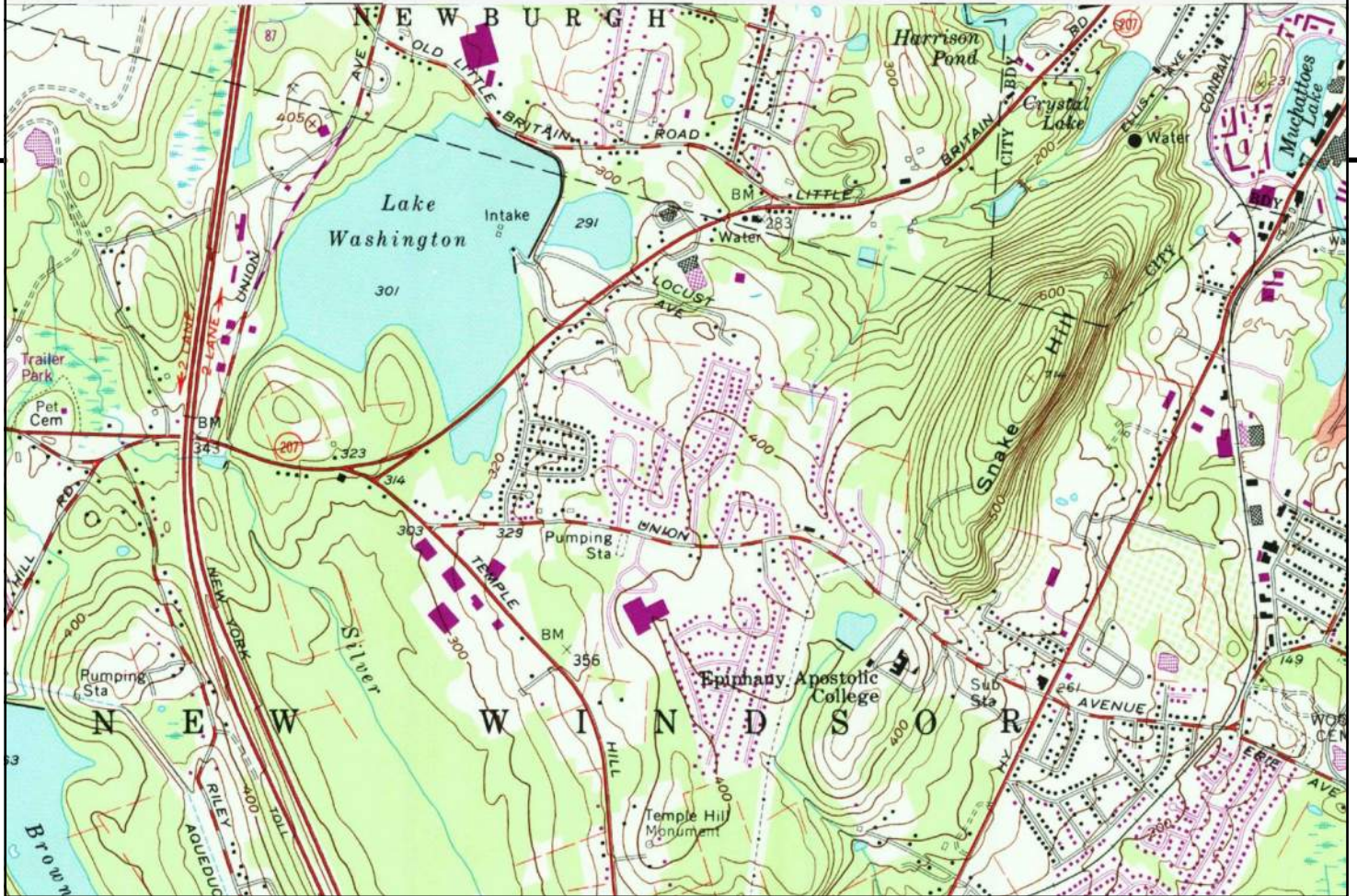
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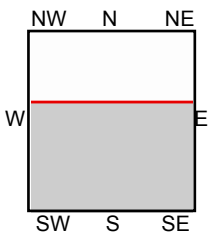
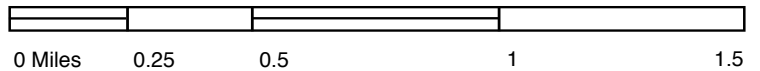
TP, CORNWALL, 1994, 7.5-minute
 TP, Cornwall-on-Hudson, 1994, 7.5-minute

SITE NAME: 33 Old Little Britain Road
 ADDRESS: 33 Old Little Britain Road
 Newburgh, NY 12550
 CLIENT: Alpine Environmental Services





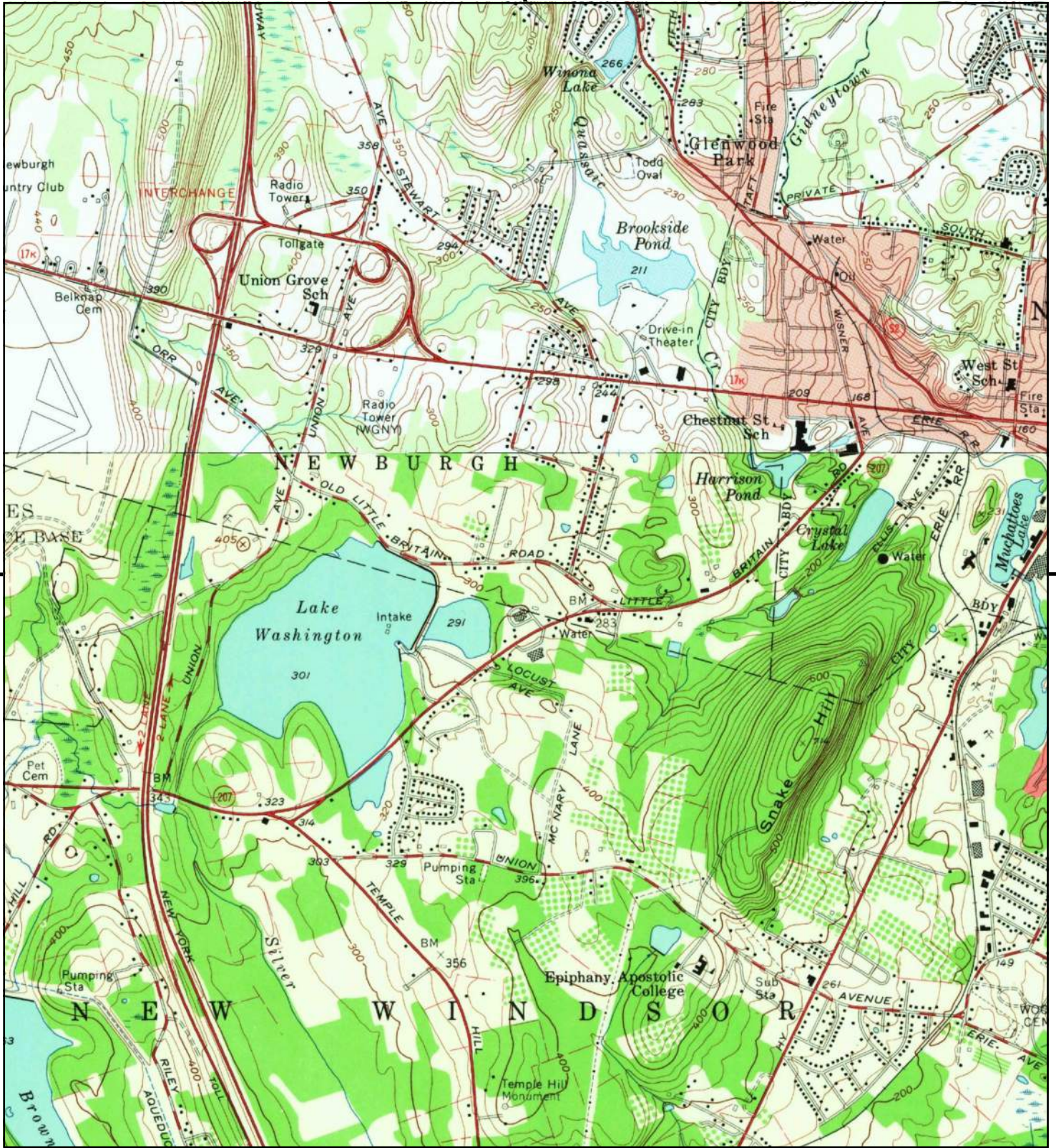
This report includes information from the following map sheet(s).



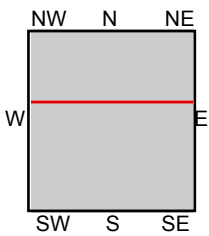
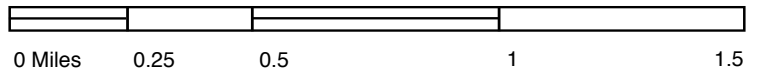
TP, Cornwall, 1981, 7.5-minute

SITE NAME: 33 Old Little Britain Road
 ADDRESS: 33 Old Little Britain Road
 Newburgh, NY 12550
 CLIENT: Alpine Environmental Services





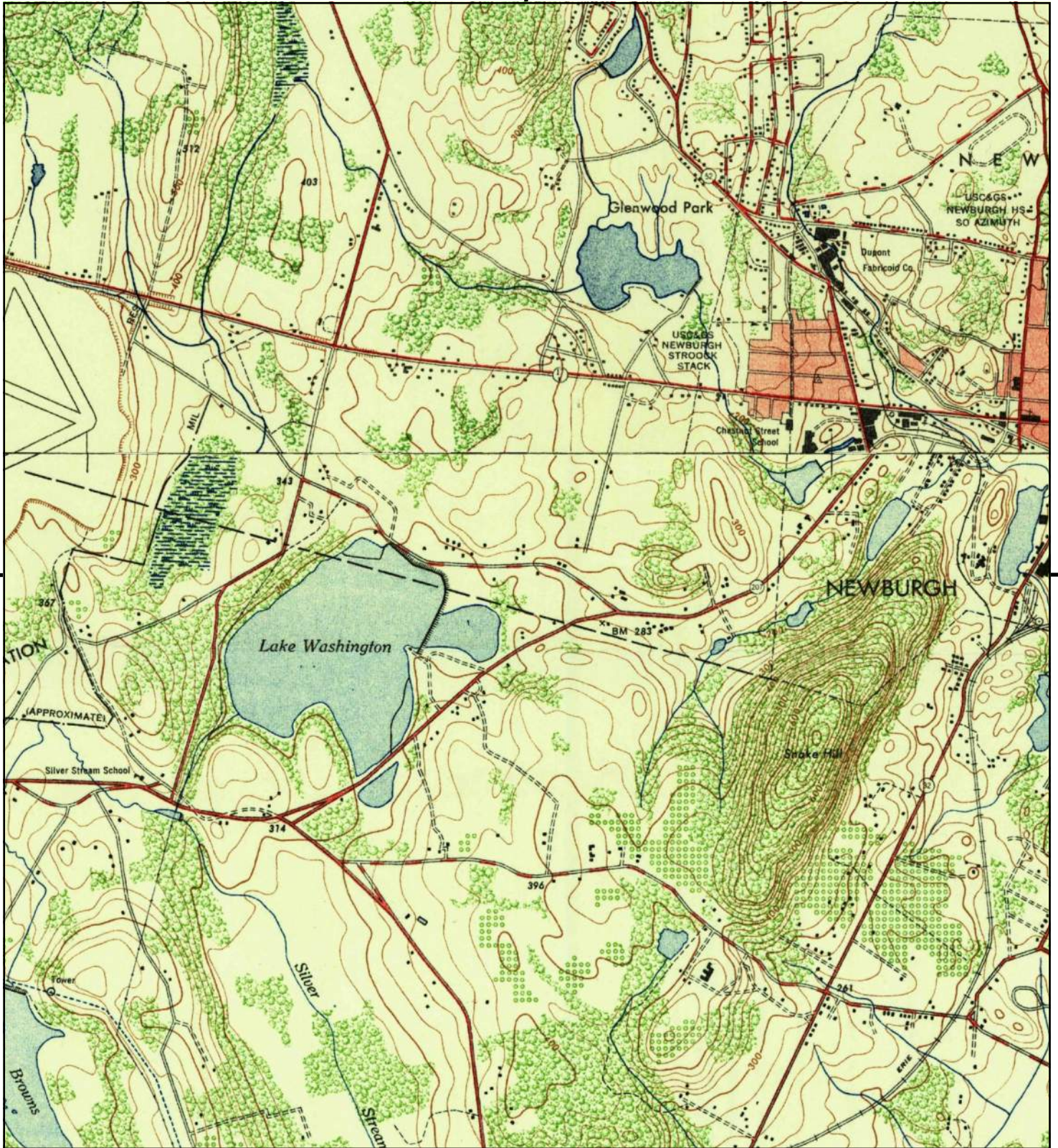
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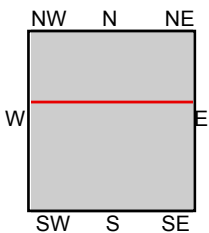
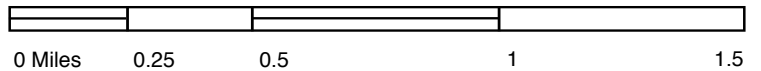
TP, Cornwall, 1957, 7.5-minute
 N, Newburgh, 1957, 7.5-minute

SITE NAME: 33 Old Little Britain Road
 ADDRESS: 33 Old Little Britain Road
 Newburgh, NY 12550
 CLIENT: Alpine Environmental Services





This report includes information from the following map sheet(s).



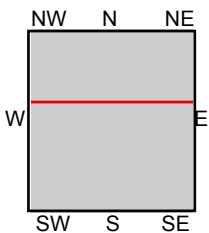
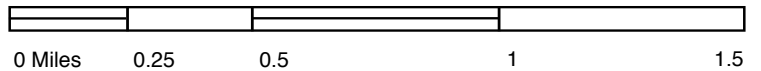
TP, Cornwall, 1947, 7.5-minute
N, Newburgh North, 1947, 7.5-minute

SITE NAME: 33 Old Little Britain Road
ADDRESS: 33 Old Little Britain Road
Newburgh, NY 12550
CLIENT: Alpine Environmental Services





This report includes information from the following map sheet(s).



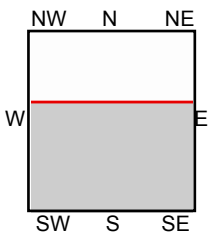
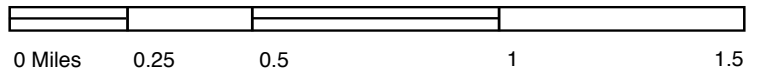
TP, SCHUNEMUNK, 1941, 15-minute
N, Newburgh, 1946, 15-minute

SITE NAME: 33 Old Little Britain Road
ADDRESS: 33 Old Little Britain Road
Newburgh, NY 12550
CLIENT: Alpine Environmental Services





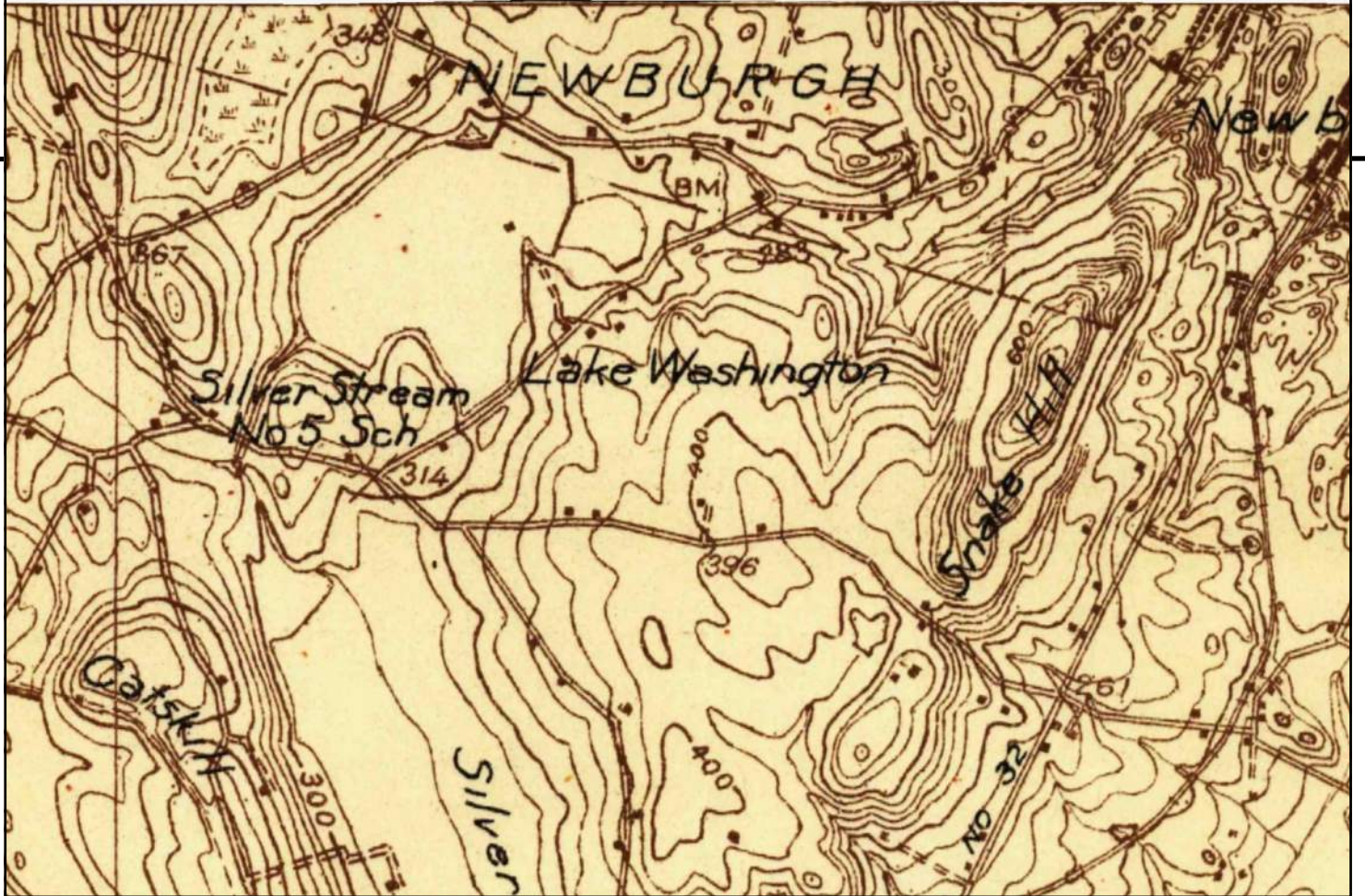
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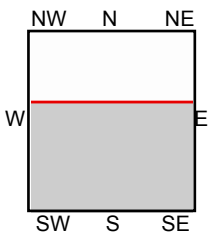
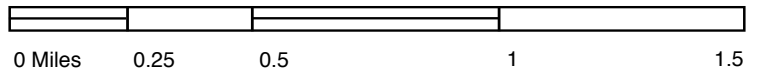
TP, Schunemunk, 1935, 15-minute

SITE NAME: 33 Old Little Britain Road
 ADDRESS: 33 Old Little Britain Road
 Newburgh, NY 12550
 CLIENT: Alpine Environmental Services





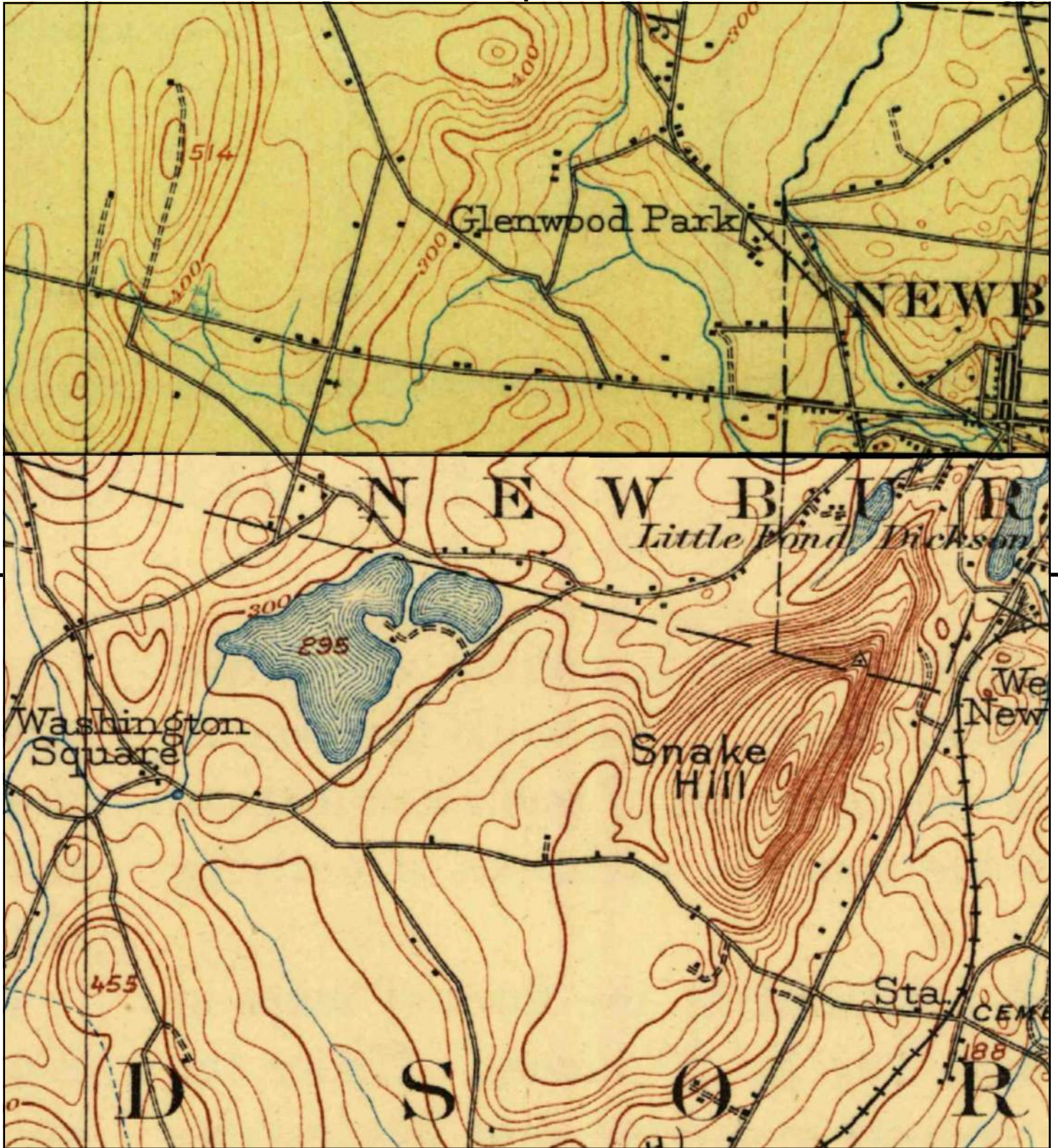
This report includes information from the following map sheet(s).



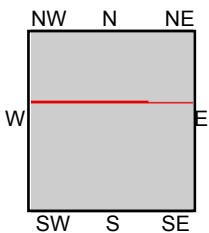
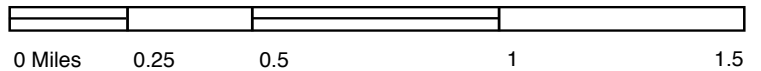
TP, Schunemunk, 1930, 15-minute

SITE NAME: 33 Old Little Britain Road
 ADDRESS: 33 Old Little Britain Road
 Newburgh, NY 12550
 CLIENT: Alpine Environmental Services





This report includes information from the following map sheet(s).



TP, Schunemunk, 1902, 15-minute
 N, Newburg, 1903, 15-minute
 N, Newburgh, 1903, 15-minute

SITE NAME: 33 Old Little Britain Road
 ADDRESS: 33 Old Little Britain Road
 Newburgh, NY 12550
 CLIENT: Alpine Environmental Services



Appendix F
ESA Questionnaires



ASTM PRACTICE E 1527-13 USER QUESTIONNAIRE

Providing the following to the *environmental professional* (Alpine Environmental Services, Inc.) is one of the requirements to qualify for one of the *Landowner Liability Protections* (LLP) offered under CERCLA. Missing or incomplete could result in a determination that “*all appropriate inquiry*” is not complete.

User/Client Name(s): _____

Subject Property Address: _____

Property Type: _____

Type of Property Transaction: a.) Sale
 b.) Lease
 c.) Other: _____

Reason Phase I ESA is Required: a.) Lender Requirement
 b.) Risk Management
 c.) Other: _____

1. Are you aware of any environmental cleanup liens against property that are filed or recorded under federal, tribal, state or local law?
 No Yes (Please explain)

2. Are you aware of any AULs, such as engineering controls, land use restrictions or institutional controls that are in place at the site and/or have been filed or recorded under federal, tribal, state or local law?
 No Yes (Please explain)

3. As the user of the ESA do you have specialized knowledge or experience related to the property or nearby properties? (For example, are you involved in the same line of business as the current or former occupants of the property?)
 No Yes (Please explain)

4. Does the purchase price paid for this property reasonably reflect the fair market value of the property?
 No (Please explain) Yes

5. Are you aware of commonly known or reasonably ascertainable information about the property that would help the environmental professional to identify conditions indicative of releases or threatened releases?
 No Yes (Please explain)



(a.) Do you know that past uses of the property?
No Yes (Please explain)

(b.) Do you know of specific chemicals that are present or once were present at the property?
No Yes (Please explain)

(c.) Do you know of spills or other chemicals releases that have taken place at the property?
No Yes (Please explain)

(d.) Do you know of any environmental cleanups that have taken place at the property?
No Yes (Please explain)

6. As the user of this ESA, based on you knowledge and experience related to the property, are there any obvious indicators that point to the presence or likely presence of contamination at the property?
No Yes (Please explain)

It is understood that the information presented in this form is an integral part of the Phase 1 Environmental Site Assessment process and that Alpine will evaluate and rely on this information in the development of the final Phase 1 ESA report.

Questionnaire Completed by: _____

Title: _____

Company: _____

Date: _____

Please return this questionnaire to: MarkS@AlpineEnv.com,
Alpine Environmental Services, Inc., 438 New Karner Road, Albany, New York 12205, or fax
(518) 250-4353 attention Mark Schnitzer.

Appendix G:
FOIL Request Information / Documents



Denise Salisbury <denises@alpineenv.com>

FOIL request for 33 Old Little Britain Road, Newburgh

1 message

Wendy Berlingieri <clerk-911@townofnewburgh.org>
To: denises@alpineenv.com

Thu, Mar 5, 2020 at 2:30 PM

Denise Salisbury,

In response to your FOIL request for 33 Old Little Britain Road (SBL: 97-3-13), we have no records on file regarding the requested information.

At this time, I will close out the FOIL request.

—

Wendy Berlingieri
911 Clerk
Code Compliance Department
Town of Newburgh



ORANGE COUNTY CLERK'S OFFICE

255 MAIN STREET GOSHEN, NEW YORK 10924
845- 291- 2690 FAX: 845- 378-2368

COUNTY CLERK ANNIE RABBITT

KELLY ESKEW
DEPUTY COUNTY CLERK

PATRICIA MCMULLEN
DEPUTY COUNTY CLERK, DMV

WWW.ORANGECOUNTYGOV.COM/COUNTYCLERK

March 10, 2020

Denise Salisbury
Alpine Environmental Consultants, Inc.
438 New Karner Road
Albany, NY 12205

RE: Foil Request 33 Old Little Britain Road

Dear Ms. Salisbury:

In response to your request made pursuant to the Freedom of Information Law dated March 2, 2020 and received by this office on March 2, 2020. Each response herein coincides with your enumeration as set forth in the aforementioned request.

1. This office is not in possession of any records responsive to this request.
2. This office is not in possession of any records responsive to this request.
3. This office is not in possession of any records responsive to this request.
4. This office is not in possession of any records responsive to this request.
5. This office is not in possession of any records responsive to this request.
6. This office is not in possession of any records responsive to this request.

You might direct your request to the town of Newburgh at 845.564.4554.

If I can be of further assistance, please contact me at 845.291.2694.

Respectfully,

Yvonne N. Marse

Yvonne N. Marse
FOIL Officer

Appendix H
City Directory Documents

33 Old Little Britain Road

33 Old Little Britain Road
Newburgh, NY 12550

Inquiry Number: 5992474.5
March 05, 2020

The EDR-City Directory Image Report

TABLE OF CONTENTS

SECTION

Executive Summary

Findings

City Directory Images

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

DESCRIPTION

Environmental Data Resources, Inc.'s (EDR) City Directory Report is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Report includes a search of available city directory data at 5 year intervals.

RECORD SOURCES

EDR's Digital Archive combines historical directory listings from sources such as Cole Information and Dun & Bradstreet. These standard sources of property information complement and enhance each other to provide a more comprehensive report.

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Data by

infoUSA[®]

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All Rights Reserved

RESEARCH SUMMARY

The following research sources were consulted in the preparation of this report. A check mark indicates where information was identified in the source and provided in this report.

<u>Year</u>	<u>Target Street</u>	<u>Cross Street</u>	<u>Source</u>
2014	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EDR Digital Archive
2010	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EDR Digital Archive
2005	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EDR Digital Archive
2000	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EDR Digital Archive
1995	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EDR Digital Archive
1992	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EDR Digital Archive
1987	<input type="checkbox"/>	<input type="checkbox"/>	EDR Digital Archive
1982	<input type="checkbox"/>	<input type="checkbox"/>	EDR Digital Archive
1977	<input type="checkbox"/>	<input type="checkbox"/>	EDR Digital Archive
1966	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Price & Lee's City Directory
1961	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Price & Lee's City Directory

FINDINGS

TARGET PROPERTY STREET

33 Old Little Britain Road
Newburgh, NY 12550

<u>Year</u>	<u>CD Image</u>	<u>Source</u>
-------------	-----------------	---------------

OLD LITTLE BRITAIN RD

2014	pg A1	EDR Digital Archive	
2005	pg A3	EDR Digital Archive	
2000	pg A4	EDR Digital Archive	
1995	pg A5	EDR Digital Archive	
1992	pg A6	EDR Digital Archive	
1987	-	EDR Digital Archive	Target and Adjoining not listed in Source
1982	-	EDR Digital Archive	Target and Adjoining not listed in Source
1977	-	EDR Digital Archive	Target and Adjoining not listed in Source
1966	pg A7	Price & Lee's City Directory	
1966	pg A8	Price & Lee's City Directory	
1961	pg A9	Price & Lee's City Directory	

OLD LTL BRITAIN RD

2010	pg A2	EDR Digital Archive
------	-------	---------------------

FINDINGS

CROSS STREETS

No Cross Streets Identified

City Directory Images

OLD LITTLE BRITAIN RD

2014

8	CORANAS, GARY T
10	SNYDER, FRANCES
18	PADILLA, JACQUELINE
	PREISS, DONALD
	THOMAS, STEPHEN
22	PRICE, LINDSAY R
23	JEHOVAH S WITNESSES
40	TIGHE-MATEY, MARY
42	FINNERTY, MICHAEL S
44	JORDAN LANDSCAPING INC
	JORDAN, LEWIS U
46	JEHOVAHS WITNS CIRCUIT
54	MOULTON MEMORIAL BAPTIST CH
55	TAYLOR, RICHARD G
57	C & B EXPRESS INC
	HOLLAND, EDWARD P
61	SWANSON, ROBERT S
63	NASTASI, SYLVIO G
65	TREUS, MANUEL
70	EARLY SETTLER BED & BREAKFAST
	JOHNSTON, PATRIC
75	LLOYD, JAMES
80	J & J STAMP & COIN COMPANY
	WAYNE, JAY S
82	SURRETT, BARRY
84	HOWLEY, HEATHER M
	INDEPENDENT HELICOPTERS LLC
	IVASCU, MARIUS
	PANARO, JOHN J
86	BURNS, MARK J
92	MATEY, JOHN O
108	MAYBE THURSDAY INC
150	KOHL'S DEPARTMENT STORES INC
156	A CARING DOCTOR MINNESOTA PA
	PETSMART INC
157	ROSE, FRANKLIN R
159	SWILPA, MARK P
163	GO LIBERTY INC
	GUERRA ADELINO A CPA
165	C D T TRAVEL INC
169	OCCUPANT UNKNOWN,

OLD LTL BRITAIN RD

2010

10	SNYDER, FRANCES
14	ALONGI, MARY K
18	OCCUPANT UNKNOWN,
22	OCCUPANT UNKNOWN,
31	HOLLAND, EDWARD P
35	SWANSON, ROBERT S
36	PACE, J A
38	BURNS, CATHY
40	TIGHE-MATEY, MARY
42	FINNERTY, MICHAEL S
44	JORDAN LANDSCAPING INC
	JORDAN, LEWIS U
46	JEHOVAHS WITNS CIRCUIT
54	MOULTON MEMORIAL BAPTIST CH
55	TAYLOR, GEORGE A
57	C & B EXPRESS INC
	OCCUPANT UNKNOWN,
63	NASTASI, SYLVIO G
65	TREUS, MANUEL
69	SIMONIS INTERNATIONAL FASHIONS
70	EARLY SETTLER BED & BREAKFAST
	JOHNSTON, PATRICIA H
75	LLOYD, JAMES
80	J & J STAMP & COIN COMPANY
	WAYNE, JAY S
86	BURNS, MARK J
92	TOTAL SOLUTIONS NEW YORK IN
108	MAYBE THURSDAY INC
130	SCOTT, STANCIL A
150	KOHL'S CORPORATION
156	MEDICAL MANAGEMENT INTL INC
	PETSMART INC
157	ROSE, FRANKLIN R
159	SWILPA, MARK P
163	GUERRA ADELINO A CPA
	OCCUPANT UNKNOWN,
	ORANGE STOCKHOLDERS INC
	TRI STATE GLASS & METAL INC
165	C D T TRAVEL INC
	OCCUPANT UNKNOWN,
167	CONNORS, TERESA
169	D & G FLORIST
	OCCUPANT UNKNOWN,

OLD LITTLE BRITAIN RD

2005

8	CORANAS, THOMAS C FITZGIBBONS, WILLIAM P GUTTA, RICK M SMOLENSKI, SCOTT
10	SNYDER, FRANCES
14	ALONGI, MARY K
18	LASTOWSKI, MICHAEL C OCCUPANT UNKNOWN,
22	OCCUPANT UNKNOWN,
30	WAYNE, JAY S
35	SWANSON, ROBERT S
36	LINDI PAINTING INC PACE, J A
38	BURNS, CATHY
40	GEMMA, JOSEPH N
42	FINNERTY, MICHAEL
44	JORDAN LANDSCAPING INC JORDAN, LEWIS U
54	MOULTON MEMORIAL BAPTST CHURCH
55	TAYLOR, GEORGE A
57	C & B EXPRESS INC HOLLAND, EDWARD P
61	SWILPA, MARK C
63	NASTASI, SYLVIO G
70	EARLY SETTLER BED & BREAKFAST JOHNSTON, MARK C
75	LLOYD, MARIA
80	J & J STAMP & COIN COMPANY OCCUPANT UNKNOWN,
82	SPONG, TODD G
84	PANARO, JOHN J SINCERBEAUX, JANE
86	BURNS, MARK J
92	TOTAL SOLUTIONS NEW YORK IN
108	MAYBE THURSDAY INC
130	SCOTT, STANCIL A
157	ROSE, FRANKLIN R
159	OCCUPANT UNKNOWN,
163	GUERRA, A ORANGE STOCKHOLDERS INC
165	C D T TRAVEL INC OCCUPANT UNKNOWN,
167	CONNORS, LINDSEY K
169	OCCUPANT UNKNOWN, SIMONI INTERNATIONAL FASHIONS SIMONI TONY

OLD LITTLE BRITAIN RD

2000

6	SHIELDS, WILLIAM R
8	CORANAS, GARY
	CORANAS, KEVIN
	FITZGIBBONS, WILLIAM P
	GUTTA, RICK S
	LINNVILLE, STEVEN E
	SMOLENSKI, SCOTT
10	OCCUPANT UNKNOWN,
14	ALONGI, MARY
18	JORDAN, LEWIS
22	SHIELDS, WILLIAM R
24	OCCUPANT UNKNOWN,
29	KUTSCHE, FRED
30	WAYNE, JAY S
31	HOLLAND, T A
32	OCCUPANT UNKNOWN,
35	SWANSON, ROBERT
36	OCCUPANT UNKNOWN,
38	BURNS, CATHY
40	ALONGI, CHARLES S
	GEMMA, PAUL
	TIGHE, MARK S
46	OCCUPANT UNKNOWN,
48	OCCUPANT UNKNOWN,
49	EDWARDS, JACOB L
54	MOULTON MEMORIAL BAPTST CHURCH
55	TAYLOR, GEORGE A
57	C & B EXPRESS INC
	HOLLAND, EDWARD P
59	OCCUPANT UNKNOWN,
61	SWILPA, MARK C
63	CARATTINI, ANGELA
65	SLOAN, LESLIE J
70	EARLY SETTLER BED & BREAKFAST
	JOHNSTON, DONALD T
75	INGLESE, GEORGE
80	J&J STAMP & COIN COMPANY
	WAYNE, JAY S
82	OCCUPANT UNKNOWN,
84	DRENNEN, JEFFREY
	THORNE, JANET M
86	BURNS, MARK
108	MAYBE THURSDAY INC
128	SCOTT, STANCIL
130	SCOTT, STANCIL
157	ROSE, F R
169	C D T TRAVEL INC
	SIMONI INTERNATIONAL FASHIONS
	SIMONI TONY

OLD LITTLE BRITAIN RD

1995

20 MOULTON MEMORIAL BAPTST CHURCH
30 J&J STAMP & COIN COMPANY
42 MAYBE THURSDAY INC
69 BRIDAL MAGIC FINISHING TOUCHES
BUREAU OF SPECIAL SVCS
CAHART LINDA
DINOSAUR COMPUTER EXCHANGE
SIMONI TONY

OLD LITTLE BRITAIN RD**1992**

6	SHIELDS, WILLIAM R
8	CORANAS, D
	CORANAS, THOMAS, III
	GUTTA, RICK S
	LYNCH, G
	RUSSO, SAM, JR
10	WARE, SOPHIE
14	ALONGI, MARY
16	REZZONICO, STEVEN & DEBORAH
18	JORDAN, LEWIS
	THOMAS, ROBERT B
20	MOULTON MEMORIAL BAPTST CHURCH
24	JOHNSTON, DONALD T
29	KUTSCHE, FRED
	TAYLOR, GEORGE A, JR
30	J&J STAMP & COIN COMPANY
	WAYNE, JAY S
31	LYONS, PATRICIA L
32	ACQUARO, SAMUEL, JR
36	HARRISON, JOSEPH B S, III
38	DECARLO, GREGORY
40	TIGHE, MARK S
48	SCOTT, STANCIL
59	ROSE, FRANKLIN R
61	SWILPA, MARK C
65	SLOAN, LESLIE J
69	PANARELLO E S & ASSOCIATES

OLD LITTLE BRITAIN RD

1966



⊙ Bradley John C Jr 
 — Echo la begins

P OLD LITTLE BRITAIN
 RD (a continuation) fr
 Little Britain rd at New
 Windsor town line SW
 and W to Union av



— ⊙ Vesely Joseph M 

OLD LITTLE BRITAIN RD 1966

NEWBURGH

Old Little Britain Rd (a continuation) — cont

135⊙Coranas T Jr elec Ⓡ Bu

Vacant

off⊙Fitzgibbons Wil- —⊙Ste

liam P Ⓡ ⊙Hu

—⊙Coranas Thomas 3d Ma

Ⓡ

— Banyacski Stephen ⊙Cla

Ⓡ — S

— D'Alfonso rd ends —⊙Co

⊙Alongi Charles S Ⓡ — Co

⊙Lind J Theodore Ⓡ

— Wages Allen D Ⓡ — Mi

Vacant

— Fowler James A Ⓡ ⊙Be

⊙Williams E H Ⓡ Be

⊙Judson C B Ⓡ ⊙Da

⊙Taylor G A Jr Ⓡ Va

⊙Taylor George A Ⓡ — Ca

— Williams av begins

— Taylor Robert E Ⓡ ⊙Fa

⊙Cavo Mathew J Ⓡ

⊙Bohannon Raymond Me

E Ⓡ

— Lake View dr be- ⊙Ev

gins

Harrison B S paint- —⊙De

er Ⓡ ⊙Ri

⊙Tighe Mark S Ⓡ — Bl

Tighe John R Ⓡ

off Vacant ⊙Ba

Fayo Michael Jr Inc Va

road contr Ⓡ off⊙

WGNY radio broad- — Va

casting studio Ⓡ — Va

Orange County ⊙Cl

Broadcasting Corp off

Ⓡ

⊙Scott Stancil A Ⓡ — Va

⊙Scott George H Ⓡ ⊙Di

Rear Entrance ⊙Gil

Lloyd's Shopping

Center Inc — C

— Bauer and Krohn gi

Inc organs Ⓡ W

⊙Zeilman C A Ⓡ

⊙Gucciardo F C Ⓡ

⊙Dentch Milton Ⓡ OLD M

⊙Sloan Leslie J Ⓡ NE t

⊙Murphy Mary E Ⓡ line

⊙Williams Bertha —⊙Es

Mrs Ⓡ ⊙Ma

⊙Mariani Arthur J Ⓡ — Fe

OLD MARBORO TPK fr

Rte 9W NW to Marlbo-

ro town line Va

Va

OLD LITTLE BRITAIN RD 1961

NEWBURGH DIRECTORY - 1961

OLD ALBANY POST RD
Fr Balmville rd NE
through (Balmville section) to Route 9W

- ΔHurd William A ©
- ΔHurd Frank G
- Vacant

- BENNET RD ends

- ΔCatania Leonard F ©

- ΔCinkota Alexander ©

- Ferguson Aaron I ©
- ΔCraig Leslie D ©

- off Vacant
- ΔDixon John H ©
- ΔKniffin Charles K ©
- ΔSimonetti Charles B ©

- ΔStPierre R J ©

- ΔLawson James A
- ΔDeMartino F L ©

- ΔDeMartino George A

- ΔCasey Fred E
- ΔCrossman Stanley A ©

- ΔBuckner C D Jr fuel oil ©

- ΔBuckner Oil Service fuel oil

- ΔAntononucci John N ©

-CREST RD begins

- Vacant
- Vacant
- Perry Thomas J
- ΔMazzola Daniel A
- ΔRusch Otto C ©

- SLOANE RD ends

- ΔJohnson Virgil ©
- ΔRiccoboni Louis ©
- ΔKissel Joseph C ©

- Vacant
- ΔKartis Frank S ©

- ΔBradley Charles T ©

- ΔBradley John C Jr ©

- ECHO LA begins

OLD LITTLE BRITAIN RD

(A continuation) fr Little Britain rd at New Windsor Town line SW and W to Union av

- Gaines Charles
- ΔCoranas T elec ©
- Vacant

- offΔFitzgibbons Leo J ©
- Vacant

- D'ALFONSO RD ends

- ΔAlongi Charles S ©
- ΔLind J Theodore

- ΔSteidel E T Mrs
- Vacant

- Thomas Robert
- Vacant

- Vacant
- Vacant

- ΔWilliams E H ©
- ΔJudson C B ©

- ΔTaylor G A Jr ©
- ΔTaylor George A ©

- WILLIAM AV begins

- ΔField Burgess B Jr
- ΔCavo Mathew J ©

- Vacant
- Bohannon Raymond E

- Vacant
- McGrath Thomas

- ΔShay Charles E ©
- ΔTighe Mark S ©

- ΔTighe Frank T ©
- Alfano Sand & Gravel

- ΔFayo Michael Jr Inc road contrs

- ΔLeghorn Samuel P
- ΔWGNV Inc radio broadcasting studio

- ΔOrange County Broadcasting Corp Corp

- ΔScott Stencil A ©
- ΔScott George H ©

- Vacant
- Zeilman C A ©

- ΔGucciardo F C ©
- ΔChum Stephen M ©

- ΔSloan Leslie J ©
- ΔMurphy Mary E ©

- ΔKrampe Edwin ©
- ΔMariani Arthur J ©

OLD MARLBORO TPK
Fr Route 9W NW to Marlboro Town line

- Vacant
- ΔLessick Herman ©

- ΔMaharay Fred ©
- ΔMinnard James A Jr

- ΔHutlock John ©
- ΔClark Thomas F ©

- ΔClark John J ©

- SOAP HILL RD ends

- ΔPaolo Anthony J

- ΔBei
- ΔDat

- Wil

- ΔFa

- ΔMc
- ΔEv

- ΔDa
- Ca

- ΔBa
- To

- offΔ

- ΔCl
- off

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OLD
Fr Mill N
town line

- ΔHol
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- ΔLar
- Gre

- Gal
- ΔUnd

- Vac

OLD NOI
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Fr S Plan
Union av

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- Pin

- Yve
- ΔBre

- Bil
- ΔKli

- Hop
- W

- l
- ΔDis

- Fra
- ΔRoc

STORMWATER POLLUTION PREVENTION PLAN

For

NEWBURGH KINGDOM HALL OF
JEHOVAH'S WITNESSES

33 Old Little Britain Road
Town of Newburgh
Orange County
New York

Owner/Developer: JW Congregation Support, Inc.
1005 Red Mill Road
Wallkill, New York 12589

WARNING: The alteration of this material in any way, unless under the direction of a comparable professional, i.e. a Professional Engineer, is a violation of the New York State Education Law and/or Regulations and is a Class 'A' misdemeanor.

PREPARER OF THE SWPPP

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person(s) who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that false statements made herein are punishable as a Class A misdemeanor pursuant to Section 210.45 of the Penal Law."

Name: Ryan Trunko, P.E.

Title: Project Engineer

License No.: 093733

Date: 2/15/2023



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1.0 EXECUTIVE SUMMARY

This Stormwater Pollution Prevention Plan (SWPPP) has been prepared for construction activities associated with the New Kingdom Hall for Jehovah's Witnesses Project hereafter called "the project site". The "project site" is located to the west of the existing Kingdom Hall building and is associated with 33 Old Little Britain Road in the Town of Newburgh, Orange County, New York. This SWPPP includes elements necessary to comply with the national baseline general permit for construction activities enacted by the U.S. Environmental Protection Agency (EPA) under the National Pollutant Discharge Elimination System (NPDES) program and all local governing agency requirements. Implementation of this SWPPP must be initiated at the start of construction.

This SWPPP has been developed in accordance with the "New York State Department of Environmental Conservation (NYSDEC) State Pollution Discharge Elimination System (SPDES) General Permit for Stormwater Discharges from Construction Activity" General Permit Number GP-0-20-001, effective January 29, 2020, through January 28, 2025.

This SWPPP and the accompanying plan set entitled "Newburgh Kingdom Hall of Jehovah's Witnesses" has been submitted as a set to identify and detail storm water management, pollution prevention, and erosion and sediment control measures required for the project during and following construction. All engineering drawings are considered integral to the SWPPP and thus this SWPPP is only considered complete with their inclusion.

This report considers the impacts associated with the intended development with the purpose of:

- ◀ Maintaining existing drainage patterns as much as possible while continuing the conveyance of upland watershed runoff;
- ◀ Controlling increases in the rate of stormwater runoff resulting from the proposed redevelopment, so as not to adversely alter downstream conditions; and,
- ◀ Mitigating potential stormwater quality impacts and preventing soil erosion and sedimentation resulting from stormwater runoff generated both during and after construction.

1.1 Project Description

JW Congregation Support, Inc. proposes the construction of one new ±4,922 sf Kingdom Hall building. In addition to the new Kingdom Hall building, this project will include a parking lot, site lighting, public utility connections, an onsite septic system, and a stormwater management and conveyance system. The project will also include pedestrian walkways and a new curb cut connection to Old Little Britain Road.

The proposed project is located at 33 Old Little Britain Road in the Town of Newburgh, near the intersection of Old Little Britain Road and Dewey Drive (hereinafter referred to as the

"subject site"). The project site is located within an overall property that encompasses ±6.81 acres of land on the property adjacent to the existing Kingdom Hall facility and includes Tax Map Parcel Number 97-3-13. The site currently exists as an overgrown wooded area with an abandoned structure located centrally within the parcel. Approximately ±2.75 acres of disturbance is anticipated. A location map of the site has been provided in Appendix I, as Figure 1.

This type of project is included in Table 2 of appendix B of GP-0-20-001. Therefore, this SWPPP includes post-construction stormwater management practices as well as erosion and sediment controls.

Project construction activities will consist primarily of the buildings' construction, site grading, paving for sidewalks and parking areas, installation of site lighting, installation of a new onsite septic system, and the installation of a stormwater drainage and management systems. Construction phase pollutant sources anticipated at the site are disturbed (exposed) soil, vehicle fuels and lubricants, chemicals associated with building construction, and building construction materials. Without adequate control, there is the potential for each type of pollutant to be transported by stormwater.

1.2 Stormwater Pollution Controls

The proposed measures outlined herein have been designed to provide water quality controls by treating and runoff prior to its discharge off site. These measures have been designed and evaluated in accordance with the following standards and guidelines:

- ◀ New York State Stormwater Management Design Manual (January 2015).
- ◀ New York State Standards and Specifications for Erosion and Sediment Control (November 2016).

The project proposes the use of an infiltration basin to filter and detain the water quality volume produced from the proposed development area. The parking lot and buildings are captured by a stormwater conveyance system that send stormwater toward a sediment basin for pretreatment before entering the proposed infiltration basin.

Pre- and post-development surface runoff rates have been evaluated for the 1-, 10-, and 100-year 24-hour storm events. Comparison of pre- and post-development watershed conditions demonstrates that the peak rate of runoff from the project site will not be increased; therefore, the project will not have a significant adverse impact on the adjacent or downstream properties or receiving water courses.

The proposed stormwater collection system consisting of pipes and on-site stormwater management facilities will adequately collect, treat, and convey the stormwater.

Stormwater quality will be enhanced through the implementation of the proposed

stormwater management facilities, erosion and sediment control measures and maintenance practices outlined herein. The entire Water Quality Volume will be treated through the use of a runoff reduction technique.

This project is located within the Town of Newburgh regulated, traditional land use control Municipal Separate Stormwater Sewer System (MS4). Submission of this SWPPP to the MS4 for review and acceptance is required and the MS4 SWPPP Acceptance form must be signed by the principal executive officer or ranking elected official from the regulated, traditional land use control MS4, or by a duly authorized representative of that person prior to the signed form along with the NOI per the Notice of Intent submittal requirements. The MS4 Acceptance Form can be found in Appendix B.

1.3 Conclusion

This SWPPP has been prepared in conformance with the current NYS Standards and Specifications for Erosion and Sediment Control and NYS Stormwater Management Design Manual. As such, GP-0-20-001 coverage will be effective five (5) business days from the date the NYSDEC receives the completed NOI.

It is our opinion that the proposed development will not adversely impact adjacent or downstream properties if the stormwater management facilities are properly constructed and maintained in accordance with the requirements outlined herein.

2.0 SWPPP IMPLEMENTATION RESPONSIBILITIES

A summary of the responsibilities and obligations of all parties involved with compliance with the NYSDEC SPDES General Permit, GP-0-20-001 conditions are outlined in the subsequent sections. For a complete listing of the definitions, responsibilities, and obligations, refer to the SPDES General Permit GP-0-20-001 presented in Appendix A.

2.1 Definitions

1. **General SPDES Permit** - means a SPDES permit issued pursuant to 6 NYCRR Part 750-1.21 and Section 70-0117 of the Environmental Conservation Law authorizing a category of discharges.
2. **Owner or Operator** - means the person, persons, or legal entity which owns or leases the property on which the construction activity is occurring; an entity that has operational control over the construction plans and specifications, including the ability to make modifications to the plans and specifications; and/or an entity that has day-to-day operational control of those activities at a project that are necessary to ensure compliance with the permit conditions. There may be occasions during the course of a project in which there are multiple Operators, all of which will need to file and maintain the appropriate SWPPP documents and plans, including without limitation, the Notice of Intent (NOI) and Notice of Termination (NOT).
3. **Qualified Inspector** - means a person that is knowledgeable in the principles and practices of erosion and sediment control, such as licensed Professional Engineer, Certified Professional in Erosion and Sediment Control (CPESC), Registered Landscape Architect, or other Department endorsed individual(s).

It can also mean someone working under the direct supervision of, and at the same company as, the licensed Professional Engineer or Registered Landscape Architect, provided that person has training in the principles and practices of erosion and sediment control. Training in the principles and practices of erosion and sediment control means that an individual working under the direct supervision of the licensed Professional Engineer or Registered Landscape Architect has received four (4) hours of Department endorsed training in proper erosion and sediment control principles from a Soil and Water Conservation District, or other Department endorsed entity. After receiving the initial training, the individual working under the direct supervision of the licensed Professional Engineer or Registered Landscape Architect shall receive four (4) hours of training every three (3) years.

It can also mean a person that meets the *Qualified Professional* qualifications in addition to the *Qualified Inspector* qualifications.

Note: Inspections of any post-construction stormwater management practices that

include structural components, such as a dam for an impoundment, shall be performed by a licensed Professional Engineer.

4. **Qualified Professional** - means a person that is knowledgeable in the principals and practices of Stormwater management and treatment, such as a licensed Professional Engineer, Registered Landscape Architect or other Department endorsed individual(s). Individuals preparing SWPPPs that require the post-construction Stormwater management practice component must have an understanding of the principals of hydrology, water quality management practice design, water quality control design, and, in many cases, the principals of hydraulics in order to prepare a SWPPP that conforms to the Department's technical standard. All components of the SWPPP that involve the practice of engineering, as defined by the NYS Education Law (see Article 145), shall be prepared by, or under the direct supervision of, a professional engineer licensed to practice in the State of New York.
5. **Trained Contractor** - means an employee from the contracting (construction) company, identified in Part III.A.6., that has received four (4) hours of Department endorsed training in proper erosion and sediment control principals from a Soil and Water Conservation District, or other Department endorsed entity. After receiving the initial training, the *trained contractor* shall receive four (4) hours of training every three (3) years.

2.2 Owners or Operator's & Contractor's Responsibilities

1. Have the SWPPP preparer sign the "SWPPP Preparer Certification" statement on the NOI prior to submitting the form to the Department.
2. Submit the signed NOI along with any required attachments to the following: (The Contractor will assist the Owner or Operator to submit the NOI to ensure coverage is in place prior to commencement of construction)
 - A. Per GP 0-20-001 for review and acceptance by the MS4. The MS4 SWPPP Acceptance form must be signed by the principal executive officer or ranking elected official from the regulated, traditional land use control MS4, or by a duly authorized representative of that person to:

Town of Newburgh – Engineering Department
James Osborne
1496 Route 300
Newburgh, NY 12550

- B. Signed NOI to:

NOTICE OF INTENT
NYS DEC, Bureau of Water Permits
625 Broadway, 4th Floor
Albany, New York 12233-3505

3. Pay the required annual fees upon receipt of invoices from NYSDEC. These invoices are generally issued in the fall of each year. The annual fee is calculated as \$100.00 per acre disturbed plus \$600.00 per future impervious acre.
4. Retain the services of a "Qualified Professional", as defined under Section 2.1, to provide the services outlined in Section 2.3 "Operator's Engineer's Responsibilities".
5. Retain the services of an independent certified materials testing and inspection firm to perform regular tests, inspections, and certifications of the construction materials used in the construction of all post-construction stormwater management practices.
6. Prior to the commencement of construction activity, retain a qualified inspector who will assist to Owner or Operator to identify the contractor(s) and subcontractor(s) that will be responsible for implementing the erosion and sediment control measures and stormwater management practices described in this SWPPP. Have each of these contractors and subcontractors identify at least one "Trained Contractor", as defined under Section 2.1 that will be responsible for the implementation of the SWPPP. Ensure that the Contractor has at least one "Trained Contractor" on site on a daily basis when soil disturbance activities are being performed.
7. Schedule a pre-construction meeting which shall include the Operator's Qualified Professional, Contractor, and their sub-contractors to discuss responsibilities as they relate to the implementation of this SWPPP.
8. Require the Contractor to fully implement the SWPPP prepared for the site by the Operator's Professional to ensure that the provisions of the SWPPP are implemented from the commencement of construction activity until all areas of disturbance have achieved final stabilization and the Notice of Termination (NOT) has been submitted.
9. Forward a copy of the NOI Acknowledgement Letter received from the regulatory agency to the Operator's Engineer for project records, and to the Contractor for display at the job site.
10. Maintain a copy of the General Permit (GP-0-20-001), NOI, NOI Acknowledgement Letter, SWPPP, inspection reports, Spill Prevention, Countermeasures, and Cleanup ("SPCC") Plan, inspection records, and other required records on the job site so that they may be made available to the regulatory agencies. The Contractor and Qualified Inspector will assist the Owner or Operator with creating a binder to maintain required

records.

11. Post at the site, in a publicly accessible location, a copy of the General Permit (GP-0-20-001), a signed copy of the NOI, the NOI Acknowledgement Letter, and on a monthly basis a summary of the site inspection activities.
12. The Contractor will prepare a written summary of projects status with respect to compliance with the general permit at a minimum frequency of every three months during which coverage under the permit exists. The summary is to address the status of achieving the overall goal of the SWPPP. The summary shall be maintained at the site in a publicly accessible location.
13. Prior to submitting a Notice of Termination, take the proper steps to ensure that the long-term operation and maintenance of the post-construction stormwater management practices will be performed. See GP-0-20-001 Part V for details.
14. The Contractor on behalf of the Owner or Operator will obtain Owner or Operator's signature and then Submit a Notice of Termination (NOT) form (see Appendix F) within 48 hours of receipt of the Operator's Professional's certification of final site stabilization to the following:

NOTICE OF TERMINATION

NYS DEC, Bureau of Water Permits
625 Broadway, 4th Floor
Albany, New York 12233-3505

Town of Newburgh – Engineering Department
James Osborne
1496 Route 300
Newburgh, NY 12550

15. Request and receive all SWPPP records from the Operator's Professional and archive those records for a minimum of five years after the NOT is filed.
16. Require the implementation of the Post-Construction Inspections and Maintenance procedures outlined in Appendix M.

2.3 Operator's Qualified Professional Responsibilities

1. Prepare the SWPPP using good engineering practices, best management practices, and in compliance with all federal, state, and local regulatory requirements.
2. If requested, assist the Owner or Operator with submitting the SWPPP to the appropriate regulated MS4 for review and acceptance.

3. Prepare the Notice of Intent (NOI) form (see Appendix B), sign the "SWPPP Preparer Certification" section of the NOI, and forward to the Owner or Operator for signature.
4. Assist as requested, the Owner or Operator and Contractor in providing copies of the SWPPP to the municipality having jurisdiction once all signatures and attachments are complete.
5. Participate at pre-construction meeting with the Operator, Contractor, and their sub-contractors to discuss responsibilities as they relate to the implementation of this SWPPP.
6. Enter Contractor's information in Section 2.5 "SWPPP Participants" once a Contractor is selected by the Owner or Operator.
7. Coordinate with the Owner and Operator to retain a construction phase Qualified Professional to complete on-site inspections to determine compliance with the SWPPP. Site inspections shall occur at an interval of at least once every seven calendar days. A written inspection report shall be provided to the Operator and appropriate contractor (or subcontractor) within one business day of the completion of the inspection, with any deficiencies identified. A sample inspection form is provided in Appendix D. Note that more than one Operator's Qualified Professional may exist for the project. Any individual or firm retained by the Owner or Operator to provide inspection will also be the Operator's Qualified Professional during the duration of construction.
 - A. The Owner or Operators construction phase Qualified Professional shall review the Contractor's SWPPP records on a periodic basis to ensure compliance with the requirements for daily reports and inspections and maintenance logs.
 - B. Maintain the construction Site Log Book throughout the duration of construction.
 - C. Update the SWPPP each time there is a significant modification to the pollution prevention measures or a change of the principal Contractor working on the project who may disturb site soil.
 - D. Review material testing and inspection reports prepared by an independent testing and inspection firm operating under the direction of a licensed Professional Engineer.
 - E. Assist the Owner or Operator to hire a NYS Licensed Professional Land Surveyor to complete a topographic survey of completed post-construction stormwater management facilities completed and perform evaluations of the completed stormwater management systems to determine whether the facilities will function as designed.
 - F. Conduct a final site assessment and prepare a certification letter to the

- Owner/Operator indicating that, upon review of the material testing and inspection reports prepared by the firm retained by the Owner/Operator, completion of the topographic survey, and evaluation of the completed stormwater management facilities, the stormwater management facilities have been constructed substantially in accordance with the contract documents and should function as designed.
- G. Assist the Owner or Operator with completing and filing of the Notice of Termination (NOT). Sign the NOT Certifications VI (Final Stabilization) and VII (Post-construction Stormwater Management Practices) and forward the NOT to the Owner/Operator for signature of Certification VIII (Owner or Operator Certification).
 - H. Ensure the transfer of the SWPPP documents, along with all NOI's, permit certificates, NOT's, construction Site Log Book, and written records required by the General Permit to the Operator for archiving.

2.4 Contractor's Responsibilities

1. Send all notifications required by SPDES General Permit Number GP-0-20-001 via certified mail with return receipt. Copies of mailing receipts shall be kept on record at the project site with the SWPPP and shall be considered part of the contract documents.
2. Sign the SWPPP Contractor's Certification Form contained within Appendix C and forward to the Operator's construction phase Qualified Professional for inclusion in the Site Log Book.
3. Identify at least one Trained Individual that will be responsible for implementation of this SWPPP. Ensure that at least one Trained Individual is on site on a daily basis when soil disturbance activities are being performed.
4. Provide the names and addresses of all subcontractors working on the project site. Require all subcontractors who will be involved with the major construction activities that will result in soil disturbance to identify at least one Trained Individual that will be on site on a daily basis when soil disturbance activities are being performed; and to sign a copy of the Contractor's Certification Form and forward to the Operator's construction phase Qualified Professional for inclusion into the Site Log Book. This information must be retained as part of the Site Log Book.
5. Prepare a Spill Prevention and Response Plan in accordance with requirements outlined in Section 5.4. This plan shall be provided to the Operator's construction phase Qualified Professional for inclusion in the Site Log Book.
6. Participate in pre-construction meeting which shall include the Operator, Operator's construction phase Engineer, and all sub-contractors to discuss responsibilities as they relate to the implementation of this SWPPP.
7. If Contractor plans on utilizing adjacent properties for material, waste, borrow, or equipment storage areas, or if Contractor plans to engage in industrial activity other than construction (such as operating asphalt and/or concrete plants) at the site, Contractor shall submit appropriate documentation to the Owner and Operator's design Qualified Professional so that the SWPPP can be modified accordingly.
8. Implement site stabilization, erosion and sediment control measures, and other requirements of the SWPPP.
9. Conduct daily inspections of erosion and sediment control measures installed at the site to ensure that they remain in effective operating condition at all times. Prepare, and retain written documentation of inspections as well as of all repairs/maintenance activities performed. This information must be retained as part of the site Log Book.

10. Maintain a record of the dates when major grading activities occur, when construction activities temporarily or permanently cease on a portion of the site, and when stabilization measures are initiated, until such time as the NOT is filed. A log for keeping such records is provided in Appendix E.
11. Provide monthly training sessions for all entities and subcontractors involved with installing, applying, performing, maintaining and inspecting measures outlined within this SWPPP.
12. Begin implementing corrective actions within one day of receipt of notification by the Qualified Inspector that deficiencies exist with the erosion and sedimentation control measures employed at the site. Corrective actions shall be completed within a reasonable time frame.
13. Comply with all site posting requirements identified herein and on the construction plans.
14. Maintain the site Log Book with all required documentation identified in the previous sections.

SWPPP Participants

1. Design Engineer: Mr. Ryan Trunko, P.E.
GPI/Greenman-Pedersen, Inc.
80 Wolf Rd, Suite 300
Albany, NY 12205
Phone: 518.453.9431

2. Construction Qualified¹: Name and Title: _____
Professional

Company Name: _____

Mailing Address: _____

Phone: _____

Fax: _____

3. Operator: Michael Stefanski
JW Congregation Support, Inc.
1005 Red Mill Road
Wallkill, NY 12589

4. Contractor²: Name and Title: _____

Company Name: _____

Mailing Address: _____

Phone: _____

Fax: _____

¹ Construction Phase Engineer information to be entered once selected and if different from design engineer.

² Contractor's information to be entered once the Contractor has been selected.

3.0 SITE CHARACTERISTICS

3.1 Land Use & Topography

The proposed project site encompasses a ±6.81 acre tax parcel, ±2.75 acres of disturbance, and lies within the Town of Newburgh's R3 –Residential zoning district and the RO – Professional Office Overlay District.

The land is wooded and currently has an existing abandoned building with an overgrown driveway path. The surrounding adjacent properties include several uses including Residential properties to the north of the site, an existing Kingdom Hall to the east, and a commercial utility provider and business to the west and south of the site. The existing abandoned building and overgrown driveway are to be demolished in order to install the proposed site features. The site does not contain any existing utility connections and will need to connect to the existing utilities in Old Little Britain Road.

Existing grades for the new Kingdom Hall site generally slope from a high point elevation to the southeastern edge of the site at ±319.00, to the low point elevations to the east of ±289.00, and to the west of ±300.00. Stormwater runoff generally sheet flows east and west from the central ridge within the site and discharges towards Lake Washington to the west or to the roadside swale along Old Little Britain Road.

3.2 Soils & Groundwater

The United States Department of Agriculture (USDA) Soil Conservation Service (SCS) Soil Survey for Orange County was reviewed and identified surficial soil conditions for the study area. The SCS identified the presence of three series soil types onsite, "Pt" – Pittsfield Gravelly Loam through the middle, "SXC" – Swartswood and Mardin soils at the southwestern corner, and "ErB" – Erie Gravelly Silt Loam at the northeastern corner of the limits of the project's tax parcel which has not been developed. Soil survey maps are provided in Appendix G.

The SCS defines the map unit "Pt – Pittsfield Gravelly Loam" as a very deep well drained, gently to steep sloping soils formed in glacial till deposits derived from limestone and schist. Areas are found on hilltops, ridges, and knolls in uplands, and range from 5 to 15 acres in size. Typically, the surface layers are very dark brown gravelly loam 0 to 10 inches thick with decreasing gravel size at increasing depths. The subsoil layers are generally yellowish brown gravelly fine sandy loam and extend to a depth of 60 inches or more. This map unit includes specific soil labels "PtB", "PtC", and "PtD" which indicate the severity of slopes within the map unit area.

The map unit "ErB – Erie Gravelly Silt Loam is defined by the SCS as a deep, somewhat poorly drained, gently sloping soil that has a fragipan. The soil formed in glacial till deposits derived from shale, slate, and sandstone. It is found in 5 to 20-acre areas on foot slopes, lower hillsides, and along shallow drainageways of the uplands. Typically, the surface layers are dark

brown gravelly silt loam that is approximately 9 inches thick. Subsoil layers are approximately 45 inches deep and are generally mottled grayish brown channery silt loam that transitions to a mottled olive brown channery silt loam fragipan.

The map unit “SXC – Swartswood and Mardin very stony soils” are defined by the SCS as well drained and moderately well drained Swartswood soil and moderately well drained Mardin soil that are found in mixed or separate patches within the map unit area. These soils formed in glacial till deposits on hill crests, hilltops, and ridges in uplands. The surface layer of the soil is typically a very dark grayish brown gravelly loam approximately 3 inches deep with scattered large stones and boulders greater than 10 inches in diameter. Areas of the soil are mostly 10 to 100 acres in size.

Table 1: Soil Data

Map Symbol & Description	Hydrologic Soil Group	Permeability (inches/hour)	Erosion Factor K	Depth to Water Table (feet)	Depth to Bedrock (feet)
ErB - Erie gravelly silt loam	D	0.06 - 0.20	0.20	± 1	± 1.5
PtB - Pittsfield gravelly loam	B	0.57- 5.95	0.17	> 6.5	>6.5
PtC - Pittsfield gravelly loam	B	0.57- 5.95	0.17	> 6.5	> 6.5
PtD - Pittsfield gravelly loam	B	0.57- 5.95	0.17	> 6.5	> 6.5
SXC - Swartswood and Mardin soils	C/D	0.00 - 0.57	0.20	± 1.25	± 1.75

The Soil Conservation Service defines the hydrologic soil groups as follows:

- **Type A Soils:** Soils having a high infiltration rate and low runoff potential when thoroughly wet. These soils consist mainly of deep, well drained to excessively drained sands or gravelly sands. These soils have a moderate rate of water transmission.
- **Type B Soils:** Soils having a moderate infiltration rate when thoroughly wet and consisting mainly of moderately deep to deep, moderately well to well drained soils with moderately fine to moderately coarse textures. These soils have a moderate rate of water transmission.
- **Type C Soils:** Soils having a low infiltration rate when thoroughly wet and consisting chiefly of soils with a layer that impedes downward movement of water and soils with moderately fine-to-fine texture. These soils have a low rate of water transmission.
- **Type D Soils:** Soils having a very low infiltration rate and high runoff potential when thoroughly wet. These soils consist chiefly of clays that have high shrink-swell

potential, soils that have a permanent high-water table, soils that have a clay pan or clay layer at or near the surface, and soils that are shallow over nearly impervious material. These soils have a very low rate of water transmission.

A geotechnical evaluation was completed at the project site to investigate the properties of the soils within the site. The evaluation was used to confirm the descriptions and qualities of the soils from the USGS. The project's geotechnical investigation report has been included in Appendix G and excerpts from the report are below.

The geotechnical report entitled "Geotechnical Engineering Report – New Jehovah's Witnesses Worship Center" was prepared by Gifford Engineering dated March 2020. A general description of the subsurface conditions for the adjacent project was included in the report and is as follows.

"The four structure borings were drilled near the building corners...the topsoil varies between 4 and 8 inches thick. Subjacent to the topsoil is a till like soil comprised of moist to wet silt with some sand and trace gravel and clay with occasional rock fragments. This later extends to a depth of 12 feet, where the geoprobe refused further advancement of the sampler. The driller reported that he thought this refusal was caused by very dense till rather than rock.

Similar soil conditions were encountered at the sounding that were advanced at the parking lot and stormwater management areas. The silt soil is frost susceptible and will heave during cold weather and settle during spring thaw.

Water level measurements taken during the boring investigation are present on the boring and sounding logs... the depth to groundwater was encountered between 5 and 8 feet below the ground surface.

Two infiltration tests were conducted in accordance with NYSDEC Stormwater Design Manual and ASTM D 4044... The results vary between 1.75 and 2.5 inches per hour"

3.3 Watershed Designation

The project site is not located in a restricted watershed identified in appendix C of GP-0-20-001.

3.4 Receiving Water Bodies

The runoff from the project site ultimately flows to the roadside drainage features to the northeast or to Lake Washington located to the southwest.

The site does not discharge into waters classified in the Section 303(d) list of impaired waters found in appendix E of GP-0-20-001.

3.5 Aquifer Designation

The project site is not located over a US EPA designated Sole Source aquifer; nor is it located over a Primary or Principal aquifer listed in the NYSDEC Technical and Operational Guidance Series (TOGS) 2.1.3 (1980).

3.6 Wetlands

There are no wetlands located on-site and stormwater runoff does not discharge to a regulated wetland.

3.7 Flood Plains

According to the National Flood Insurance Program Flood Insurance Rate Map (FIRM) (Panel 331 of 630 for Orange County, New York) a portion of the project site lies within Zones X in the 500-year floodplain.

3.8 Historic Places

In accordance with GP-0-20-001, the project was sent to the New York State Office of Parks, Recreation and Historic Preservation (NYSOPRHP) Division for Historic Preservation for review. Based upon a review from NYSOPRHP, the letter of no impact dated April 7, 2020 stated, “it is the opinion of OPRHP that no properties, including archaeological and/or historic resources, listed in or eligible for the New York State and National Registers of Historic Places will be impacted by this project.”

3.9 Rainfall Data

Rainfall data utilized in the modeling and analysis were obtained from the Northeast Regional Climate Center (NRCC). Rainfall data averaged from the closest rainfall stations to the project site for various 24-hour storm events is presented in Table 2:

Table 2: Rainfall Data

Storm Event Return Period	24-Hour Rainfall (inches)
90% Rainfall	1.2
1-year	2.60
10-year	4.70
100-year	8.38

These values were used to evaluate the stormwater runoff characteristics and hydraulic analysis of the closed drainage systems and stormwater management practices.

4.0 CONSTRUCTION SEQUENCE

This project's disturbance area encompasses less than five acres of land and disturbance of additional off-site properties to facilitate construction is not anticipated, therefore written approval from NYSDEC allowing the disturbance of more than five acres of land at any one time is not required. If the Contractor's construction sequence requires the disturbance of more than five acres at any one-time, written approval must be obtained from NYSDEC prior to disturbing more than five acres at once.

The "Erosion and Sediment Control Plan" in the accompanying drawings identify the major construction activities that are the subject of this SWPPP. The order (or sequence) in which the major activities are expected to begin is presented on the accompanying drawings, though each activity will not necessarily be completed before the next begins. In addition, these activities could occur in a different order if necessary, to maintain adequate erosion and sediment control. If this is the case, the contractor shall notify the Owner and Operator's Quality Professional overseeing the implementation of the SWPPP.

The Contractor will be responsible for implementing the erosion and sediment control measures identified on the plans. The Contractor may designate these tasks to certain subcontractors as seen fit, but the ultimate responsibility for implementing these controls and ensuring their proper function remains with the Contractor.

Refer to the accompanying plans for details and specifications regarding the construction sequencing schedule.

5.0 CONSTRUCTION-PHASE POLLUTION CONTROL

The SWPPP and accompanying plans identify the temporary and permanent erosion and sediment control measures that have been incorporated into the design of this project. These measures will be implemented during construction, to minimize soil erosion and control sediment transport off-site, and after construction, to control the quality and quantity of stormwater runoff from the developed site.

Erosion control measures, designed to minimize soil loss, and sediment control measures, intended to retain eroded soil and prevent it from reaching water bodies or adjoining properties, have been developed in accordance with the following documents:

- ◀ NYSDEC SPDES General Permit for Stormwater Discharges From Construction Activity, Permit No. GP-0-20-001 (effective January 29, 2020 through January 28, 2025)
- ◀ New York State Standards and Specifications for Erosion and Sediment Control, NYSDEC (November 2016)

The SWPPP and accompanying plans outline the construction sequence for implementing the erosion and sediment control measures. The SWPPP and accompanying plans include limitations on the duration of soil exposure, criteria and specifications for placement and installation of the erosion and sediment control measures, a maintenance schedule, and specifications for the implementation of erosion and sediment control practices and procedures.

Temporary and permanent erosion and sediment control measures that shall be applied during construction generally include:

1. Minimizing soil erosion and sedimentation by stabilization of disturbed areas and by removing sediment from construction-site discharges.
2. Preservation of existing vegetation as much as possible. Following the completion of construction activities in any portion of the site permanent vegetation shall be established on all exposed soils.
3. Site preparation activities shall be planned to minimize the area and duration of soil disruption.
4. Permanent traffic corridors shall be established and "routes of convenience" shall be avoided.

5.1 Temporary Erosion & Sediment Control Measures

The temporary erosion and sediment control measures described in the following sections are included as part of the construction documents.

5.1.1 *Dust Control*

Water trucks shall be used as needed during construction to reduce dust generated on the site. Dust control must be provided by the general Contractor to a degree that is acceptable

to the Owner, and in compliance with the applicable local and state dust control requirements.

5.1.2 Temporary Soil Stockpile

Materials, such as topsoil, will be temporarily stockpiled (if necessary) on the site during the construction process. Stockpiles shall be located in areas away from storm drainage, water bodies and/or courses, and will be properly protected from erosion by a surrounding silt fence barrier.

5.1.3 Sediment Control Barrier

Prior to the initiation of and during construction activities, a sediment control barrier (i.e.: silt fence, compost filter sock, etc.) will be established along the down slope perimeter of areas to be disturbed as a result of the construction which lie up gradient of watercourses or adjacent properties. These barriers may extend into non-impact areas to provide adequate protection of adjacent lands.

Clearing and grubbing will be performed only as necessary for the installation of the sediment control barriers. To facilitate effectiveness of the barriers, daily inspections and inspections immediately after significant storm events will be performed by site personnel. Maintenance of the barrier will be performed as needed.

5.1.4 Temporary Seeding

Areas undergoing clearing or grading and any areas disturbed by construction activities where work is delayed, suspended, or incomplete and will not be re-disturbed for 21 days or more shall be stabilized with temporary vegetative cover within 14 days after construction activity in that portion of the site has ceased.

5.1.5 Sediment Barrier Inlet Protection

Typical Sediment Control Barriers will be placed around both existing catch basins and proposed catch basins once they have been installed, to keep sediment from entering the catch basins and storm sewer system. During construction, sediment barriers shall be replaced as necessary to ensure proper function of the structure.

5.1.6 Erosion Control Blanket

Erosion control blankets shall be installed on all slopes exceeding 3:1. Erosion control blankets provide temporary erosion protection, rapid vegetative establishment, and long-term erosion resistance to shear stresses associated with high runoff flow velocities associated with steep slopes.

5.2 Permanent Erosion & Sediment Control Measures

The permanent erosion and sediment control measures described in the following sections are included as part of the construction documents.

5.2.1 Soil Restoration

Soil Restoration is a required practice applied across areas of a development site where soils have been disturbed and will be vegetated in order to recover the original properties and porosity of the soil. Healthy soil is vital to a sustainable environment and landscape.

The contractor shall implement soil restoration practices in accordance with Table 5.3 of the NYSDEC Stormwater Management Design Manual, included as Table 3 below.

Table 3: Soil Restoration Requirements

Type of Soil Disturbance	Soil Restoration Requirement		Comments/Examples
No soil disturbance	Restoration not permitted		Preservation of Natural Features
Minimal soil disturbance	Restoration not required		Clearing and grubbing
Areas where topsoil is stripped only- no change in grade	HSG A&B	HSG C&D	Protect area from any ongoing construction activities
	Apply 6 inches of topsoil	Aerate* and apply 6 inches of topsoil	
Areas of cut or fill	HSG A&B	HSG C&D	
	Aerate* and apply 6 inches of topsoil	Apply full Soil Restoration**	
Heavy traffic areas on site (especially in a zone 5-25-feet around buildings but not within a 5-foot perimeter around foundation walls)	Apply full Soil Restoration** (de-compaction and compost enhancement)		
Areas where Runoff Reduction and/or infiltration practice are applied	Restoration not required, but may be applied to enhance the reduction specified for appropriate practices		Keep construction equipment from crossing these areas. To protect newly installed practice from any ongoing construction activities construct a single-phase operation fence area
Redevelopment projects	Soil Restoration is required on redevelopment projects in areas where existing impervious area will be converted to pervious area		

*Aeration includes the use of machines such as tractor-drawn implements with coulters making a narrow slit in the soil, a roller with many spike making indentations in the soil, or prongs which function like a mini-subsoiler.

**Per “Deep Ripping and De-compaction, DEC 2008”

5.2.2 Establishment of Permanent Vegetation

Disturbed areas that will be vegetated must be seeded in accordance with the contract documents. The type of seed, mulch, and maintenance measures as described in the contract documents shall also be followed.

All areas at final grade must be seeded and mulched within 14 days after completion of the major construction activity. All seeded areas should be protected with mulch.

Final site stabilization is achieved when all soil-disturbing activities at the site have been completed and a uniform, perennial vegetative cover with a density of 80 percent has been established or equivalent stabilization measures (such as the use of mulches or geotextiles) have been employed on all unpaved areas and areas not covered by permanent structures.

5.2.3 *Rock Outlet Protection*

Rock outlet protection shall be installed at the locations as indicated and detailed on the accompanying plans. The installation of rock outlet protection will reduce the depth, velocity, and energy of water, such that the flow will not erode the receiving watercourse or water body.

5.3 Other Pollutant Controls

Control of sediments has been described previously. Other aspects of this SWPPP are listed below:

5.3.1 *Solid & Liquid Waste Disposal*

No solid or liquid waste materials, including building materials, shall be discharged from the site with stormwater. All solid waste, including disposable materials incidental to any construction activities, must be collected and placed in containers. The containers shall be emptied periodically by a licensed trash disposal service and hauled away from the site.

Substances that have the potential for polluting surface and/or groundwater must be controlled by whatever means necessary in order to ensure that they do not discharge from the site. As an example, special care must be exercised during equipment fueling and servicing operations. If a spill occurs, it must be contained and disposed of so that it will not flow from the site or enter groundwater, even if this requires removal, treatment, and disposal of soil. In this regard, potentially polluting substances should be handled in a manner consistent with the impact they represent.

5.3.2 *Sanitary Facilities*

Temporary sanitary facilities will be provided by the Contractor throughout the construction phase. They must be utilized by all construction personnel and will be serviced by a licensed commercial Contractor. These facilities must comply with state and local sanitary or septic system regulations.

5.3.3 *Water Source*

Non-stormwater components of site discharge must be clean water. Water used for construction, which discharges from the site, must originate from a public water supply or private well approved by the Health Department. Water used for construction that does not originate from an approved public supply must not discharge from the site; such water can be

retained in ponds until it infiltrates and/or evaporates.

5.4 Construction Housekeeping Practices

During the construction phase, the general Contractor will implement the following measures:

5.4.1 *Material Stockpiles*

Material resulting from the clearing and grubbing operation will be stockpiled up slope from adequate sedimentation controls.

5.4.2 *Equipment Cleaning & Maintenance*

The general Contractor will designate areas for equipment cleaning, maintenance, and repair. The general Contractor and subcontractors will utilize those areas. The areas will be protected by a temporary perimeter berm.

5.4.3 *Detergents*

The use of detergents for large-scale washing is prohibited (i.e., vehicles, buildings, pavement surfaces, etc.)

5.4.4 *Spill Prevention and Response*

A Spill Prevention and Response Plan shall be developed for the site by the Contractor. The plan shall detail the steps needed to be followed in the event of an accidental spill and shall identify contact names and phone numbers of people and agencies that must be notified.

The plan shall include Material Safety Data Sheets (MSDS) for all materials to be stored on-site. All workers on-site will be required to be trained on safe handling and spill prevention procedures for all materials used during construction. Regular tailgate safety meetings shall be held and all workers that are expected on the site during the week shall be required to attend.

5.4.5 *Concrete Wash Areas*

Concrete trucks will be allowed to wash out or discharge surplus concrete or drum wash water on the site, but only in specifically designated diked and impervious washout areas which have been prepared to prevent contact between the concrete wash and storm water. Waste generated from concrete wash water shall not be allowed to flow into drainage ways, inlets, receiving waters or highway right of ways, or any location other than the designated Concrete Wash Areas. Proper signage designating the "Concrete Wash Areas" shall be placed near the facility. Concrete Wash Areas shall be located at minimum 100 linear feet from drainage ways, inlets and surface waters.

The hardened residue from the Concrete Wash Areas will be disposed of in the same manner as other non-hazardous construction waste materials. Maintenance of the wash area is to include removal of hardened concrete. Facility shall have sufficient volume to contain all the concrete waste resulting from washout and a minimum freeboard of 12 inches. Facility shall

not be filled beyond 95% capacity and shall be cleaned out once 75% full unless a new facility is constructed. The Contractor will be responsible for seeing that these procedures are followed.

Saw-cut Portland Cement Concrete (PCC) slurry shall not be allowed to enter storm drains or watercourses. Saw-cut residue should not be left on the surface of pavement or be allowed to flow over and off pavement.

The Project may require the use of multiple concrete wash areas. All concrete wash areas will be located in an area where the likelihood of the area contributing to storm water discharges is negligible. If required, additional BMPs must be implemented to prevent concrete wastes from contributing to stormwater discharges.

5.4.6 *Material Storage*

Construction materials shall be stored in a dedicated staging area. The staging area shall be located in an area that minimizes the impacts of the construction materials affecting stormwater quality.

Chemicals, paints, solvents, fertilizers, and other toxic material must be stored in waterproof containers. Except during application, the contents must be kept in trucks or within storage facilities. Runoff containing such material must be collected, removed from the site, treated, and disposed of at an approved solid waste or chemical disposal facility.

5.5 Winter Shutdown Plan

The contractor shall implement the following procedures in order to stabilize the site against erosion during a period of winter shutdown. In areas where vegetation has not been established when the winter shutdown is to be implemented, the contractor shall implement one or more of the following devices.

- ◀ Jute/Coconut fiber blankets
- ◀ Geotextile
- ◀ Hay/straw or mulch
- ◀ Alternate method to be approved by the Design and Municipal Engineer

The project site needs to be fully stabilized by November 15th or winter stabilization requirements must be implemented.

Inspections shall proceed as outlined in the inspection section of this document. Inspections shall also be conducted after significant snowmelt has been documented. If damage has been documented during the inspection, the contractor shall provide repairs prior to the next scheduled inspection.

5.6 Winter Stabilization Requirements

Any construction activities with ongoing land disturbance and exposure, or project sites that have not been fully stabilized for winter shutdown, require additional erosion and sediment control measures during the winter season. Per New York State Standards and Specifications for Erosion and Sediment Control, the "winter season" is defined as the period from November 15th to the following April 1st. During this time, the standard inspection schedule shall continue as outlined in the inspection section of this document. The winter stabilization measures described in the following sections are included as part of the construction documents.

5.6.1 *Snow Management*

The contractor shall designate areas with adequate storage capacity for snow and control of melt water that does not affect ongoing construction activities. Drainage structures must be kept open and free of snow and ice dams. All debris, ice dams or debris from plowing operations that restrict the flow of runoff shall be removed.

5.6.2 *Construction Access*

The stabilized construction access shall be maintained and kept free from debris and snow. All construction access points shall be enlarged and stabilized to provide for snow management and stockpiling. The intent is to maintain the existing travel width and not restrict construction access. Stone paths shall be used to stabilize access perimeters of buildings under construction and areas where construction vehicle traffic is anticipated. The stone paths shall be a minimum 10' wide or wider to accommodate equipment.

5.6.3 *Sediment Control Barrier/Silt Fence*

Sediment barriers must be installed at all appropriate perimeter and sensitive locations before the ground freezes. A minimum 25-foot buffer shall be maintained from all perimeter controls such as silt fence. Mark silt fence with tall stakes (min. 5' exposed) that are visible above the snow pack. Edges of disturbed areas that drain to a waterbody within 100 feet will have 2 rows of silt fence, spaced 5 feet apart, installed on the contour. Sediment barrier must be installed at least 15' from the toe of the soil stockpile to prevent soil migration.

5.6.4 *Soil Stabilization*

In areas where soil disturbance activity has temporarily or permanently ceased, the application of soil stabilization measures should be initiated by the end of the next business day and completed within three days. Mulch used for stabilization shall be applied at double the standard rate. Rolled erosion control blankets must be used on all slopes 3 horizontal to 1 vertical or steeper. Soil stockpiles must be protected by the use of vegetation establishment, anchored straw mulch, rolled stabilization matting, or other durable covering. To ensure adequate stabilization of disturbed soil in advance of a melt event, areas of disturbed soil shall be stabilized at the end of the workday unless work will resume within 24 hours in the same area and no precipitation is forecasted or the work is in an area that collects and retains runoff.

6.0 POST-CONSTRUCTION STORMWATER CONTROL

The goals of this Stormwater Management Plan are to minimize the impact to the quality of runoff exiting the site. The NYS Stormwater Management Design Manual provides both water quality and water quantity objectives to be met by projects requiring a "Full SWPPP". These objectives will be met by applying stormwater control practices to limit peak runoff rates and improve the quality of runoff leaving the developed site.

The proposed storm water management system has been designed to meet the New York State Stormwater Management Design Manual (NYSSMDM) August 2015 edition. This version of the NYSSDM requires runoff reduction volume as well as encouraging green infrastructure techniques. Planners and designers must address a six-step approach to site planning and SMP selection. The following is the six-step process and applicable design considerations for this project.

1. Site Planning to preserve natural features and reduce impervious cover.
 - ◀ The site has been designed to minimize the impervious cover to the maximum extent practical. The majority of wooded site will remain undisturbed with work only being proposed where the new building, pavement and associated infrastructure is located. The GI Planning Worksheet has been completed and can be found in Appendix L.
2. Calculation of the Water Quality Volume (WQv) for the site
 - ◀ The water quality volume for the project has been calculated using NYSSDM criteria and is shown on the GI Worksheets in Appendix L and discussed in Section 6.2 of this report.
3. Incorporation of green infrastructure techniques and standard SMP's with Runoff Reduction Volume (RRv) Capacity.
 - ◀ The project design explored many different options for handling the stormwater onsite. The project proposes to use an Infiltration Basin (90% RRv capacity) to capture and treat 100% of the WQv.
4. Calculation of the minimum (RRv) for the site
 - ◀ The minimum runoff reduction volume for the site has been calculated for the site and can be found in Appendix L of this report.
5. Apply Standard Stormwater Management Practices to address remaining Water Quality Volume
 - ◀ This project proposes to handle 100% of the WQv using runoff reduction techniques.

6. Apply volume and peak rate controls practices if still needed to meet requirements
 - ◀ The infiltration basin practice proposed will reduce the volume and peak runoff leaving the site so additional control practices are not required.

6.1 Stormwater Control Practices

Stormwater runoff from the proposed construction will be collected and conveyed to the control system(s) described herein through a combined open and closed storm sewer network.

The closed storm sewer network portion of the system, consisting of catch basins, drainage manholes, and high-density polyethylene piping (HDPE), has been designed to convey the 10-year storm event.

The stormwater quantity and quality control systems described in the following sections have been incorporated into the stormwater management plan for this project. Design and sizing of the stormwater management practices can be found in Appendix L.

None of the stormwater management facilities to be constructed as part of this project meet the NYSDEC criteria that define a dam. Therefore, they have no dam classification.

6.1.1 Infiltration Basin (I-2)

The infiltration basin practice is an effective means of capturing and storing the WQv and allowing infiltration of stormwater runoff through the soil. Pre-treatment will be provided in a sediment basin prior to the infiltration basin practice. The infiltration basin will include an overflow weir to start slowing discharging runoff at the 10-year storm.

The infiltration basin (I-2) practice was designed according to the criteria set forth in Section 6.3 "Stormwater Infiltration" of the NYS Stormwater Management Design Manual. The infiltration basin area was sized using the available NYSDEC Green Infrastructure Worksheets, which can be found in Appendix L.

6.2 Stormwater Quality Analysis

Stormwater runoff from impervious surfaces is recognized as a significant contributor of pollution that can adversely affect the quality of receiving water bodies. Therefore, treatment of stormwater runoff is important since most runoff related water quality contaminants are transported from land, particularly the impervious surfaces, during the initial stages of storm events.

6.2.1 NYSDEC Requirements

The NYS Stormwater Management Design Manual requires that water quality treatment be provided for the initial flush of runoff from every storm. The NYSDEC refers to the amount of runoff to be treated as the "Water Quality Volume" (WQv). Section 4.2 of the NYS SMDM

defines the Water Quality Volume as follows:

$$WQ_v = \frac{[(P)(R_v)(A)]}{12}$$

Where: P = 90% Rainfall Event Number
R_v = 0.05 + 0.009 (I), minimum R_v = 0.2
I = Impervious Cover (Percent)
A = Contributing Area in Acres

This definition ensures that, all other things being equal, the Water Quality Volume will increase along with the impervious cover percentage.

6.2.2 Methodology

The Water Quality Volume equation has been applied to the drainage areas tributary for the disturbance of the site. The practices have been sized to accommodate the Water Quality Volume, as per the performance criteria presented in Chapter 6 of the NYS Stormwater Management Design Manual. The project used standard stormwater management practices with runoff reduction volume capacity to fully handle the WQ_v.

Design computations for the initial Water Quality Volume (WQ_v) required and the Minimum Runoff Reduction Volume (RR_v) required are presented in Appendix L.

6.2.3 Performance Summary

For each stormwater quality practice, Table 4 summarizes the Water Quality Volume requirements, WQ_v provided, and runoff reduction volume provided by each practice. The Stormwater Management Design Manual states that infiltration practices can claim runoff reduction for 90% of the total storage volume or the WQ_v, whichever is smaller.

The WQ_v calculated for the site was determined to be 4,013-CF. The infiltration basin was sized to account for disturbance areas onsite that could not be captured and directed to a treatment device. The basin has a total storage volume below the spillway of 5,000-CF so it can claim the total WQ_v of 4,013-CF towards runoff reduction, meeting the projects requirements using a runoff reduction practice. The minimum RRV was calculated to be 1,098-CF and 4,013-CF is provided so the project meets the minimum RR_v requirement. Therefore, the project should not have a significant adverse impact on the quality of receiving waters.

Table 4: Summary of WQ Practices

SWM Practice Number	SWM Practice Type	NYS DEC Design Variant	Tributary Drainage Area (acres)	Tributary Impervious Area (acres)	WQv Required (CF)	Provided RRv (CF)	Provided WQv (CF)
1	Infiltration Basin	I-2	6.81	0.85	4,013	4,013	0

6.3 Stormwater Quantity Analysis

This report presents the pre-development and post-development features and conditions associated with the rate of surface water runoff within the study area. For both cases, the drainage patterns, drainage structures, soil types, and ground cover types are considered in this study.

6.3.1 NYSDEC Requirements

The NYS Stormwater Management Design Manual requires that projects meet three separate stormwater quantity criteria:

1. The Channel Protection (CPv) requirement is designed to protect stream channels from erosion. This is accomplished by providing 24 hours of extended detention for the 1-year, 24-hour storm event. The Design Manual defines the CPv detention time as the center of mass detention time through each stormwater management practice.
2. The Overbank Flood Control (Qp) requirement is designed to prevent an increase in the frequency and magnitude of flow events that exceed the bank-full capacity of a channel, and therefore must spill over into the floodplain. This is accomplished by providing detention storage to ensure that, at each design point, the post-development 10-year 24-hour peak discharge rate does not exceed the corresponding pre-development rate.
3. The Extreme Flood Control (Qf) requirement is designed to prevent the increased risk of flood damage from large storm events, to maintain the boundaries of the pre-development 100-year floodplain, and to protect the physical integrity of stormwater management practices. This is accomplished by providing detention storage to ensure that, at each design point, the post-development 100-year 24-hour peak discharge rate does not exceed the corresponding pre-development rate.

6.3.2 Methodology

In order to demonstrate that detention storage requirements are being met, the NYS Stormwater Management Design Manual requires that a hydrologic and hydraulic analysis of

the pre- and post-development conditions be performed using the Natural Resources Conservation Service Technical Release 20 (TR-20) and Technical Release 55 (TR-55) methodologies. HydroCAD, developed by HydroCAD Software Solutions LLC of Tamworth, New Hampshire, is a Computer-Aided-Design (CAD) program for analyzing the hydrologic and hydraulic characteristics of a given watershed and associated stormwater management facilities. HydroCAD uses the TR-20 algorithms and TR-55 methods to create and route runoff hydrographs.

HydroCAD has the capability of computing hydrographs (which represent discharge rates characteristic of specified watershed conditions, precipitation, and geologic factors) combining hydrographs and routing flows through pipes, streams and ponds. HydroCAD can also calculate the center of mass detention time for various hydraulic features. Documentation for HydroCAD can be found on their website: <http://www.hydrocad.net/>.

For this analysis, the watershed and drainage system were broken down into a network consisting of three types of components as described below:

- A. Subcatchment: A relatively homogeneous area of land, which produces a volume and rate of runoff unique to that area.
- B. Reach: Uniform streams, channels, or pipes that convey stormwater from one point to another.
- C. Pond: Natural or man-made impoundment, which temporarily stores stormwater runoff and empties in a manner determined by its geometry and the hydraulic structure located at its outlets.

Subcatchments, reaches, and ponds are represented by hexagons, squares, and triangles respectively, on the watershed routing diagrams provided with the computations included in Appendix J and Appendix K.

The analysis of hydrologic and hydraulic conditions and proposed stormwater management facilities, servicing the study area, was performed by dividing the tributary watershed into relatively homogeneous subcatchments. The separation of the watershed into subcatchments was dictated by watershed conditions, methods of collection, conveyance, and points of discharge. Watershed characteristics for each subcatchment were then assessed from United States Geological Service (USGS) 7.5-minute topographic maps, aerial photographs, a topographical survey, soil surveys, site investigations, and land use maps.

Proposed stormwater management facilities were designed and evaluated in accordance with the NYS Stormwater Management Design Manual and local regulatory requirements. The hydrologic and hydraulic analysis considered the SCS, Type II 24-hour storm events identified in Table 5.

Table 5: Design Events

Facility	24-hour Storm Event
Storm Sewer	10- year
Stormwater Management Systems	1-year
	10-year
	100-year
Flood Conditions	100-year

6.3.3 Description of Design Points

The proposed site consists of an overall watershed that encompasses approximately ±6.81 acres and contains the ±2.75-acre total disturbed project site. The overall watershed was broken down into smaller watersheds, or subcatchments, to allow for analysis of runoff conditions at several locations throughout the study area. Each of these locations was defined as a Design Point (DP) in order to compare the effects resulting from stormwater management facilities proposed as part of the project. Descriptions of each of the selected design points are provided below.

- ◀ Design Point 1: Roadside ditch along Old Little Britain Road located at the northeast corner of the proposed site.
- ◀ Design Point 2: Washington Lake, located approximately ±0.1 miles to the southwest of the proposed site.

6.3.4 Pre-development Watershed Conditions

The pre-development project site contains an existing abandoned building with an overgrown driveway path and a forested area. Analysis of pre-development conditions considered existing drainage patterns, soil types, ground cover, and topography. The Pre-Development Watershed Delineation Map has been provided in Appendix J. Summaries of the subcatchments are as follows:

Subcatchment DA-1 can be identified as the location of the existing structure and driveway and wooded areas of the site. Runoff generally sheet flows northeast towards the existing swales located along Old Little Britain road and along the eastern property boundary, ultimately discharging to Design Point 1 at the northeast corner of the site.

Subcatchment DA-2 includes portions of the existing forested area of the site. Runoff generally sheet flows to the southwest before discharging to Design Point 2.

Subcatchment DA-3 includes portions of the existing forested area of the site. Runoff generally sheet flows to the southwest before discharging to Design Point 2. The results of the computer modeling used to analyze the overall watersheds under pre-development

conditions are presented in Appendix J. A summary of the pre-development watershed runoff rates at each design point is presented in Table 6.

6.3.5 *Post-development Watershed Conditions*

The proposed project includes the removal of the existing driveway and structures and the construction of a new driveway, parking area, building with associated infrastructure, and an infiltration basin.

The contributing post-development watershed areas contains four (4) subcatchments to analyze the site. Existing drainage patterns are mostly unchanged, and the post-development project maintains the same design points. Overall, the post-development project meets the required WQv criteria using an infiltration basin to treat project. The Post-Development Watershed Delineation Map has been provided in Appendix K. A description of each subcatchment is as follows:

Subcatchment DA-1A can be identified as the undisturbed wooded area as well as the northern and eastern portion of the site. Runoff generally sheet flows towards the existing swales located along Old Little Britain road and along the eastern property boundary, ultimately discharging to Design Point 1 at the northeast corner of the site.

Subcatchment DA-1B includes the proposed paved areas, building, and infiltration basin. Runoff from the roof of the building will be collected and piped into the proposed storm sewers. Runoff within this sub catchment will sheet flow towards the catch basins and be discharged into the proposed infiltration basin area by the storm sewers. Any runoff that is not exfiltrated within the practice will discharge to Design Point 1.

Subcatchment DA-2 comprises the Existing DA-2 with portions remaining undisturbed and the remainder includes the proposed location for the septic system. Runoff generally will retain its pre-developed conditions and sheet flows to the southwest before discharging to Design Point 2.

Subcatchment DA-3 comprises the undisturbed portion of the Existing DA-3. As such this area retains its character as an existing sloped forested area. Runoff generally sheet flows to the southwest before discharging to Design Point 2.

The results of the computer modeling used to analyze the overall watershed under post-development conditions are presented in Appendix K. A summary of the post-development watershed runoff rates at each design point is presented in Table 6.

6.3.6 *Performance Summary*

A comparison of the pre- and post-development watershed conditions was performed for all design points and storm events evaluated herein. This comparison demonstrates that the peak rate of runoff will not be increased and pre-development rates will be maintained. Therefore, the project will not have a significant adverse impact on the adjacent or

downstream properties or receiving water courses.

The results of the computer modeling used to analyze the pre-development and post-development watersheds are presented in Appendix J and Appendix K, respectively. Table 6 summarizes the results of this analysis.

Table 6: Summary of Pre- and Post-Development Peak Discharge Rates

Pre- vs. Post-Development Discharge Rate (cfs)						
Design Point (DP)	1-year 24-hour storm event		10-year 24-hour storm event		100-year 24-hour storm event	
	Pre	Post	Pre	Post	Pre	Post
1	0.61	0.59	4.67	3.96	14.02	13.96
2	0.15	0.07	1.60	0.89	5.54	3.12

7.0 INSPECTION & MAINTENANCE RESPONSIBILITIES

7.1 Inspection & Maintenance Requirements

7.1.1 Pre-Construction Inspection & Certification

Prior to the commencement of construction, the Owner and Operator’s Qualified Professional shall conduct an assessment of the site and certify that the appropriate erosion and sediment control measures have been adequately installed and implemented. The Contractor shall contact the Owner and Operator’s Qualified Professional once the erosion and sediment control measures have been installed.

7.1.2 Construction Phase Inspections & Maintenance

A Qualified Inspector, as defined in appendix A of the General Permit GP-0-20-001, shall conduct regular site inspections between the time this SWPPP is implemented and final site stabilization. Site inspections shall occur at an interval of at least once every seven calendar days.

The purpose of site inspections is to assess performance of pollutant controls. Based on these inspections, the qualified inspector will decide whether it is necessary to modify this SWPPP, add or relocate sediment barriers, or whatever else may be needed in order to prevent pollutants from leaving the site via stormwater runoff. The general contractor has the duty to cause pollutant control measures to be repaired, modified, maintained, supplemented, or whatever else is necessary in order to achieve effective pollutant control.

Examples of particular items to evaluate during site inspections are listed below. This list is

not intended to be comprehensive. During each inspection the inspector must evaluate overall pollutant control system performance as well as particular details of individual system components. Additional factors should be considered as appropriate to the circumstances.

1. Locations where vehicles enter and exit the site must be inspected for evidence of off-site sediment tracking. A stabilized construction entrance will be constructed where vehicles enter and exit. This entrance will be maintained or supplemented as necessary to prevent sediment from leaving the site on vehicles.
2. Sediment barriers must be inspected and, if necessary, they must be enlarged or cleaned in order to provide additional capacity. All material from behind sediment barriers will be stockpiled on the up-slope side. Additional sediment barriers must be constructed as needed.
3. Inspections will evaluate disturbed areas and areas used for storing materials that are exposed to rainfall for evidence of, or the potential for, pollutants entering the drainage system. If necessary, the materials must be covered, or original covers must be repaired or supplemented. Also, protective berms must be constructed, if needed, in order to contain runoff from material storage areas.
4. Grassed areas will be inspected to confirm that a healthy stand of grass is maintained. The site has achieved final stabilization once all areas are covered with building foundation, pavement, or have a stand of grass with at least 80 percent density. The density of 80 percent or greater must be maintained to be considered as stabilized. Areas must be watered, fertilized, and reseeded as needed to achieve this goal.
5. All discharge points must be inspected to determine whether erosion control measures are effective in preventing significant impacts to receiving waters.

The inspection reports must be completed entirely, and additional remarks should be included if needed to fully describe a situation. An important aspect of the inspection report is the description of additional measures that need to be taken to enhance plan effectiveness. The inspection report must identify whether the site was in compliance with the SWPPP at the time of inspection and specifically identify all incidents of non-compliance.

Within one business day of the completion of an inspection, the qualified inspector shall notify the owner or operator and appropriate contractor (or subcontractor) of any corrective actions that need to be taken. The contractor (or subcontractor) shall begin implementing corrective actions within one business day of this notification and shall complete the corrective actions in a reasonable time frame.

In addition to the inspections performed by the Owner and Operator's Qualified Professional, the Contractor shall perform routine inspections that include a visual check of all erosion and sediment control measures. All inspections and maintenance shall be performed in accordance with the inspection and maintenance schedule provided on the accompanying plans. Sediment removed from erosion and sediment control measures will be exported from the site, stockpiled for later use, or used immediately for general non-structural fill.

It is the responsibility of the general contractor to assure the adequacy of site pollutant discharge controls. Actual physical site conditions or contractor practices could make it necessary to install more structural controls than are shown on the accompanying plans. (For example, localized concentrations of runoff could make it necessary to install additional sediment barriers.) Assessing the need for additional controls and implementing them or adjusting existing controls will be a continuing aspect of this SWPPP until the site achieves final stabilization.

7.1.3 Temporary Suspension of Construction Activities

For construction sites where soil disturbance activities have been temporarily suspended (e.g. Winter shutdown) and temporary stabilization measures have been applied to all disturbed areas, the frequency of Qualified Inspector inspections can be reduced to once every 30 calendar days. Prior to reducing the frequency of inspections, the Owner/Operator shall notify the MS4 Coordinator.

7.1.4 Partial Project Completion

For construction sites where soil disturbance activities have been shut down with partial project completion, all areas disturbed as of the project shutdown date have achieved final stabilization, and all post-construction stormwater management practices required for the completed portion of the project have been constructed in conformance with the SWPPP and are operational, the Qualified Inspector inspections can stop. Prior to the shutdown, the Owner/Operator shall notify the MS4 Coordinator.

If soil disturbance activities have not resumed within two (2) years from the date of shutdown, a Notice of Termination (NOT) form shall be properly completed and submitted to the NYSDEC.

7.1.5 Post-Construction Inspections & Maintenance

Inspections and maintenance shall be performed in accordance with Appendix M, when all disturbed areas are stabilized, and all stormwater management systems are in place and operable.

7.2 Reporting Requirements

7.2.1 Inspection & Maintenance Reports

Inspection/maintenance reports shall be prepared prior to and during construction in accordance with the schedule outlined herein and in the SPDES General Permit GP-0-20-001 Part IV.C.2. The reports shall be prepared to identify and document the maintenance of the erosion and sediment control measures. A sample inspection form is provided in Appendix D.

Specifically, each inspection shall record the following information:

1. Date and time of inspection.
2. Name and title of person(s) performing inspection.

3. A description of the weather and soil conditions (e.g. dry, wet, saturated) at the time of the inspection.
4. A description of the condition of the runoff at all points of discharge (including conveyance systems and overland flow) from the construction site. This shall include identification of any discharges of sediment from the construction site.
5. Identification of all erosion and sediment control practices that need repair or maintenance.
6. Identification of all erosion and sediment control practices that were not installed properly or are not functioning as designed and need to be reinstalled or repaired.
7. Description and sketch of areas that are disturbed at the time of the inspection and areas that have been stabilized (temporary and/or final) since the last inspection.
8. Current phase of construction of all post-construction stormwater management practices and identification of all construction that is not in conformance with the SWPPP and technical standards.
9. Corrective action(s) that must be taken to install, repair, replace or maintain erosion and sediment control practices; and to correct deficiencies identified with the construction of the post-construction stormwater management practice(s).

7.2.2 *Site Log Book*

The Owner and Operator's construction phase Qualified Professional, on behalf of the Owner and operator, shall retain a copy of the SWPPP required by NYSDEC SPDES General Permit GP-0-20-001 at the construction-site from the date of initiation of construction activities to the date of final stabilization.

During construction, the Owner and Operator's construction phase Qualified Professional shall maintain a record of all SWPPP inspection reports at the site in the Site Log Book. The Site Log Book shall be maintained on-site and made available to the permitting authority.

7.2.3 *Post Construction Records & Archiving*

Following construction, the Owner and Operator shall retain copies of the SWPPP, the complete construction Site Log Book, and records of all data used to complete the NOI to be covered by this permit, for a period of at least five years from the date that the site is finally stabilized. This period may be extended by the Department, in its sole discretion, at any time upon written notification.

Record shall be maintained of all post construction inspections and maintenance work performed in accordance with the requirements outlined in Appendix M.

APPENDIX A:

NYSDEC SPDES General Permit GP-0-20-001



Department of
Environmental
Conservation

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SPDES GENERAL PERMIT
FOR STORMWATER DISCHARGES

From

CONSTRUCTION ACTIVITY

Permit No. GP- 0-20-001

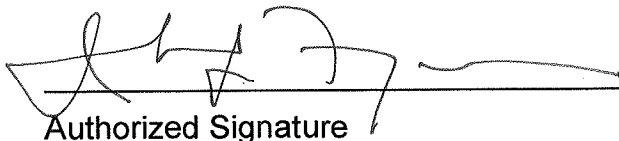
Issued Pursuant to Article 17, Titles 7, 8 and Article 70
of the Environmental Conservation Law

Effective Date: January 29, 2020

Expiration Date: January 28, 2025

John J. Ferguson

Chief Permit Administrator



Authorized Signature

1-23-20

Date

Address: NYS DEC
Division of Environmental Permits
625 Broadway, 4th Floor
Albany, N.Y. 12233-1750

PREFACE

Pursuant to Section 402 of the Clean Water Act (“CWA”), stormwater *discharges* from certain *construction activities* are unlawful unless they are authorized by a *National Pollutant Discharge Elimination System (“NPDES”)* permit or by a state permit program. New York administers the approved State Pollutant Discharge Elimination System (SPDES) program with permits issued in accordance with the New York State Environmental Conservation Law (ECL) Article 17, Titles 7, 8 and Article 70.

An *owner or operator* of a *construction activity* that is eligible for coverage under this permit must obtain coverage prior to the *commencement of construction activity*. Activities that fit the definition of “*construction activity*”, as defined under 40 CFR 122.26(b)(14)(x), (15)(i), and (15)(ii), constitute construction of a *point source* and therefore, pursuant to ECL section 17-0505 and 17-0701, the *owner or operator* must have coverage under a SPDES permit prior to *commencing construction activity*. The *owner or operator* cannot wait until there is an actual *discharge* from the *construction site* to obtain permit coverage.

***Note: The italicized words/phrases within this permit are defined in Appendix A.**

**NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
SPDES GENERAL PERMIT FOR STORMWATER DISCHARGES FROM
CONSTRUCTION ACTIVITIES**

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Part 1. PERMIT COVERAGE AND LIMITATIONS

A. Permit Application

This permit authorizes stormwater *discharges to surface waters of the State* from the following *construction activities* identified within 40 CFR Parts 122.26(b)(14)(x), 122.26(b)(15)(i) and 122.26(b)(15)(ii), provided all of the eligibility provisions of this permit are met:

1. *Construction activities* involving soil disturbances of one (1) or more acres; including disturbances of less than one acre that are part of a *larger common plan of development or sale* that will ultimately disturb one or more acres of land; excluding *routine maintenance activity* that is performed to maintain the original line and grade, hydraulic capacity or original purpose of a facility;
2. *Construction activities* involving soil disturbances of less than one (1) acre where the Department has determined that a *SPDES* permit is required for stormwater *discharges* based on the potential for contribution to a violation of a *water quality standard* or for significant contribution of *pollutants to surface waters of the State*.
3. *Construction activities* located in the watershed(s) identified in Appendix D that involve soil disturbances between five thousand (5,000) square feet and one (1) acre of land.

B. Effluent Limitations Applicable to Discharges from Construction Activities

Discharges authorized by this permit must achieve, at a minimum, the effluent limitations in Part I.B.1. (a) – (f) of this permit. These limitations represent the degree of effluent reduction attainable by the application of best practicable technology currently available.

1. Erosion and Sediment Control Requirements - The *owner or operator* must select, design, install, implement and maintain control measures to *minimize the discharge of pollutants* and prevent a violation of the *water quality standards*. The selection, design, installation, implementation, and maintenance of these control measures must meet the non-numeric effluent limitations in Part I.B.1.(a) – (f) of this permit and be in accordance with the New York State Standards and Specifications for Erosion and Sediment Control, dated November 2016, using sound engineering judgment. Where control measures are not designed in conformance with the design criteria included in the technical standard, the *owner or operator* must include in the *Stormwater Pollution Prevention Plan* (“SWPPP”) the reason(s) for the

deviation or alternative design and provide information which demonstrates that the deviation or alternative design is *equivalent* to the technical standard.

- a. **Erosion and Sediment Controls.** Design, install and maintain effective erosion and sediment controls to *minimize* the *discharge of pollutants* and prevent a violation of the *water quality standards*. At a minimum, such controls must be designed, installed and maintained to:
- (i) *Minimize* soil erosion through application of runoff control and soil stabilization control measure to *minimize pollutant discharges*;
 - (ii) Control stormwater *discharges*, including both peak flowrates and total stormwater volume, to *minimize* channel and *streambank* erosion and scour in the immediate vicinity of the *discharge* points;
 - (iii) *Minimize* the amount of soil exposed during *construction activity*;
 - (iv) *Minimize* the disturbance of *steep slopes*;
 - (v) *Minimize* sediment *discharges* from the site;
 - (vi) Provide and maintain *natural buffers* around surface waters, direct stormwater to vegetated areas and maximize stormwater infiltration to reduce *pollutant discharges*, unless *infeasible*;
 - (vii) *Minimize* soil compaction. Minimizing soil compaction is not required where the intended function of a specific area of the site dictates that it be compacted;
 - (viii) Unless *infeasible*, preserve a sufficient amount of topsoil to complete soil restoration and establish a uniform, dense vegetative cover; and
 - (ix) *Minimize* dust. On areas of exposed soil, *minimize* dust through the appropriate application of water or other dust suppression techniques to control the generation of pollutants that could be discharged from the site.
- b. **Soil Stabilization.** In areas where soil disturbance activity has temporarily or permanently ceased, the application of soil stabilization measures must be initiated by the end of the next business day and completed within fourteen (14) days from the date the current soil disturbance activity ceased. For construction sites that *directly discharge* to one of the 303(d) segments

listed in Appendix E or is located in one of the watersheds listed in Appendix C, the application of soil stabilization measures must be initiated by the end of the next business day and completed within seven (7) days from the date the current soil disturbance activity ceased. See Appendix A for definition of *Temporarily Ceased*.

- c. **Dewatering.** *Discharges* from *dewatering* activities, including *discharges* from *dewatering* of trenches and excavations, must be managed by appropriate control measures.

- d. **Pollution Prevention Measures.** Design, install, implement, and maintain effective pollution prevention measures to *minimize* the *discharge* of *pollutants* and prevent a violation of the *water quality standards*. At a minimum, such measures must be designed, installed, implemented and maintained to:
 - (i) *Minimize* the *discharge* of *pollutants* from equipment and vehicle washing, wheel wash water, and other wash waters. This applies to washing operations that use clean water only. Soaps, detergents and solvents cannot be used;

 - (ii) *Minimize* the exposure of building materials, building products, construction wastes, trash, landscape materials, fertilizers, pesticides, herbicides, detergents, sanitary waste, hazardous and toxic waste, and other materials present on the site to precipitation and to stormwater. Minimization of exposure is not required in cases where the exposure to precipitation and to stormwater will not result in a *discharge* of *pollutants*, or where exposure of a specific material or product poses little risk of stormwater contamination (such as final products and materials intended for outdoor use) ; and

 - (iii) Prevent the *discharge* of *pollutants* from spills and leaks and implement chemical spill and leak prevention and response procedures.

- e. **Prohibited Discharges.** The following *discharges* are prohibited:
 - (i) Wastewater from washout of concrete;

 - (ii) Wastewater from washout and cleanout of stucco, paint, form release oils, curing compounds and other construction materials;

- (iii) Fuels, oils, or other *pollutants* used in vehicle and equipment operation and maintenance;
 - (iv) Soaps or solvents used in vehicle and equipment washing; and
 - (v) Toxic or hazardous substances from a spill or other release.
- f. Surface Outlets. When discharging from basins and impoundments, the outlets shall be designed, constructed and maintained in such a manner that sediment does not leave the basin or impoundment and that erosion at or below the outlet does not occur.

C. Post-construction Stormwater Management Practice Requirements

1. The *owner or operator* of a *construction activity* that requires post-construction stormwater management practices pursuant to Part III.C. of this permit must select, design, install, and maintain the practices to meet the *performance criteria* in the New York State Stormwater Management Design Manual (“Design Manual”), dated January 2015, using sound engineering judgment. Where post-construction stormwater management practices (“SMPs”) are not designed in conformance with the *performance criteria* in the Design Manual, the *owner or operator* must include in the SWPPP the reason(s) for the deviation or alternative design and provide information which demonstrates that the deviation or alternative design is *equivalent* to the technical standard.
2. The *owner or operator* of a *construction activity* that requires post-construction stormwater management practices pursuant to Part III.C. of this permit must design the practices to meet the applicable *sizing criteria* in Part I.C.2.a., b., c. or d. of this permit.

a. Sizing Criteria for New Development

- (i) Runoff Reduction Volume (“RRv”): Reduce the total Water Quality Volume (“WQv”) by application of RR techniques and standard SMPs with RRv capacity. The total WQv shall be calculated in accordance with the criteria in Section 4.2 of the Design Manual.
- (ii) Minimum RRv and Treatment of Remaining Total WQv: Construction activities that cannot meet the criteria in Part I.C.2.a.(i) of this permit due to site limitations shall direct runoff from all newly constructed impervious areas to a RR technique or standard SMP with RRv capacity unless infeasible. The specific site limitations that prevent the reduction of 100% of the WQv shall be documented in the SWPPP.

For each impervious area that is not directed to a RR technique or standard SMP with RRv capacity, the SWPPP must include documentation which demonstrates that all options were considered and for each option explains why it is considered infeasible.

In no case shall the runoff reduction achieved from the newly constructed impervious areas be less than the Minimum RRv as calculated using the criteria in Section 4.3 of the Design Manual.

The remaining portion of the total WQv that cannot be reduced shall be treated by application of standard SMPs.

- (iii) Channel Protection Volume (“Cpv”): Provide 24 hour extended detention of the post-developed 1-year, 24-hour storm event; remaining after runoff reduction. The Cpv requirement does not apply when:
 - (1) Reduction of the entire Cpv is achieved by application of runoff reduction techniques or infiltration systems, or
 - (2) The site discharges directly to tidal waters, or fifth order or larger streams.

- (iv) *Overbank* Flood Control Criteria (“Qp”): Requires storage to attenuate the post-development 10-year, 24-hour peak discharge rate (Qp) to predevelopment rates. The Qp requirement does not apply when:
 - (1) the site discharges directly to tidal waters or fifth order or larger streams, or
 - (2) A downstream analysis reveals that *overbank* control is not required.

- (v) Extreme Flood Control Criteria (“Qf”): Requires storage to attenuate the post-development 100-year, 24-hour peak discharge rate (Qf) to predevelopment rates. The Qf requirement does not apply when:
 - (1) the site discharges directly to tidal waters or fifth order or larger streams, or
 - (2) A downstream analysis reveals that *overbank* control is not required.

b. Sizing Criteria for New Development in Enhanced Phosphorus Removal Watershed

- (i) Runoff Reduction Volume (RRv): Reduce the total Water Quality Volume (WQv) by application of RR techniques and standard SMPs with RRv capacity. The total WQv is the runoff volume from the 1-year, 24 hour design storm over the post-developed watershed and shall be

calculated in accordance with the criteria in Section 10.3 of the Design Manual.

- (ii) Minimum RRv and Treatment of Remaining Total WQv: *Construction activities* that cannot meet the criteria in Part I.C.2.b.(i) of this permit due to *site limitations* shall direct runoff from all newly constructed *impervious areas* to a RR technique or standard SMP with RRv capacity unless *infeasible*. The specific *site limitations* that prevent the reduction of 100% of the WQv shall be documented in the SWPPP. For each *impervious area* that is not directed to a RR technique or standard SMP with RRv capacity, the SWPPP must include documentation which demonstrates that all options were considered and for each option explains why it is considered *infeasible*.

In no case shall the runoff reduction achieved from the newly constructed *impervious areas* be less than the Minimum RRv as calculated using the criteria in Section 10.3 of the Design Manual. The remaining portion of the total WQv that cannot be reduced shall be treated by application of standard SMPs.

- (iii) Channel Protection Volume (Cpv): Provide 24 hour extended detention of the post-developed 1-year, 24-hour storm event; remaining after runoff reduction. The Cpv requirement does not apply when:
 - (1) Reduction of the entire Cpv is achieved by application of runoff reduction techniques or infiltration systems, or
 - (2) The site *discharges* directly to tidal waters, or fifth order or larger streams.
- (iv) *Overbank* Flood Control Criteria (Qp): Requires storage to attenuate the post-development 10-year, 24-hour peak *discharge* rate (Qp) to predevelopment rates. The Qp requirement does not apply when:
 - (1) the site *discharges* directly to tidal waters or fifth order or larger streams, or
 - (2) A downstream analysis reveals that *overbank* control is not required.
- (v) Extreme Flood Control Criteria (Qf): Requires storage to attenuate the post-development 100-year, 24-hour peak *discharge* rate (Qf) to predevelopment rates. The Qf requirement does not apply when:
 - (1) the site *discharges* directly to tidal waters or fifth order or larger streams, or
 - (2) A downstream analysis reveals that *overbank* control is not required.

c. Sizing Criteria for Redevelopment Activity

- (i) Water Quality Volume (WQv): The WQv treatment objective for *redevelopment activity* shall be addressed by one of the following options. *Redevelopment activities* located in an Enhanced Phosphorus Removal Watershed (see Part III.B.3. and Appendix C of this permit) shall calculate the WQv in accordance with Section 10.3 of the Design Manual. All other *redevelopment activities* shall calculate the WQv in accordance with Section 4.2 of the Design Manual.
- (1) Reduce the existing *impervious cover* by a minimum of 25% of the total disturbed, *impervious area*. The Soil Restoration criteria in Section 5.1.6 of the Design Manual must be applied to all newly created pervious areas, or
 - (2) Capture and treat a minimum of 25% of the WQv from the disturbed, *impervious area* by the application of standard SMPs; or reduce 25% of the WQv from the disturbed, *impervious area* by the application of RR techniques or standard SMPs with RRv capacity., or
 - (3) Capture and treat a minimum of 75% of the WQv from the disturbed, *impervious area* as well as any additional runoff from tributary areas by application of the alternative practices discussed in Sections 9.3 and 9.4 of the Design Manual., or
 - (4) Application of a combination of 1, 2 and 3 above that provide a weighted average of at least two of the above methods. Application of this method shall be in accordance with the criteria in Section 9.2.1(B) (IV) of the Design Manual.

If there is an existing post-construction stormwater management practice located on the site that captures and treats runoff from the *impervious area* that is being disturbed, the WQv treatment option selected must, at a minimum, provide treatment equal to the treatment that was being provided by the existing practice(s) if that treatment is greater than the treatment required by options 1 – 4 above.

- (ii) Channel Protection Volume (Cpv): Not required if there are no changes to hydrology that increase the *discharge* rate from the project site.
- (iii) *Overbank* Flood Control Criteria (Qp): Not required if there are no changes to hydrology that increase the *discharge* rate from the project site.
- (iv) Extreme Flood Control Criteria (Qf): Not required if there are no changes to hydrology that increase the *discharge* rate from the project site

d. Sizing Criteria for Combination of Redevelopment Activity and New Development

Construction projects that include both New Development and Redevelopment Activity shall provide post-construction stormwater management controls that meet the sizing criteria calculated as an aggregate of the Sizing Criteria in Part I.C.2.a. or b. of this permit for the New Development portion of the project and Part I.C.2.c of this permit for Redevelopment Activity portion of the project.

D. Maintaining Water Quality

The Department expects that compliance with the conditions of this permit will control *discharges* necessary to meet applicable *water quality standards*. It shall be a violation of the *ECL* for any discharge to either cause or contribute to a violation of *water quality standards* as contained in Parts 700 through 705 of Title 6 of the Official Compilation of Codes, Rules and Regulations of the State of New York, such as:

1. There shall be no increase in turbidity that will cause a substantial visible contrast to natural conditions;
2. There shall be no increase in suspended, colloidal or settleable solids that will cause deposition or impair the waters for their best usages; and
3. There shall be no residue from oil and floating substances, nor visible oil film, nor globules of grease.

If there is evidence indicating that the stormwater *discharges* authorized by this permit are causing, have the reasonable potential to cause, or are contributing to a violation of the *water quality standards*; the *owner or operator* must take appropriate corrective action in accordance with Part IV.C.5. of this general permit and document in accordance with Part IV.C.4. of this general permit. To address the *water quality standard* violation the *owner or operator* may need to provide additional information, include and implement appropriate controls in the SWPPP to correct the problem, or obtain an individual SPDES permit.

If there is evidence indicating that despite compliance with the terms and conditions of this general permit it is demonstrated that the stormwater *discharges* authorized by this permit are causing or contributing to a violation of *water quality standards*, or if the Department determines that a modification of the permit is necessary to prevent a violation of *water quality standards*, the authorized *discharges* will no longer be eligible for coverage under this permit. The Department may require the *owner or operator* to obtain an individual SPDES permit to continue discharging.

E. Eligibility Under This General Permit

1. This permit may authorize all *discharges* of stormwater from *construction activity* to *surface waters of the State* and *groundwaters* except for ineligible *discharges* identified under subparagraph F. of this Part.
2. Except for non-stormwater *discharges* explicitly listed in the next paragraph, this permit only authorizes stormwater *discharges*; including stormwater runoff, snowmelt runoff, and surface runoff and drainage, from *construction activities*.
3. Notwithstanding paragraphs E.1 and E.2 above, the following non-stormwater discharges are authorized by this permit: those listed in 6 NYCRR 750-1.2(a)(29)(vi), with the following exception: “Discharges from firefighting activities are authorized only when the firefighting activities are emergencies/unplanned”; waters to which other components have not been added that are used to control dust in accordance with the SWPPP; and uncontaminated *discharges* from *construction site* de-watering operations. All non-stormwater discharges must be identified in the SWPPP. Under all circumstances, the *owner or operator* must still comply with *water quality standards* in Part I.D of this permit.
4. The *owner or operator* must maintain permit eligibility to *discharge* under this permit. Any *discharges* that are not compliant with the eligibility conditions of this permit are not authorized by the permit and the *owner or operator* must either apply for a separate permit to cover those ineligible *discharges* or take steps necessary to make the *discharge* eligible for coverage.

F. Activities Which Are Ineligible for Coverage Under This General Permit

All of the following are **not** authorized by this permit:

1. *Discharges* after *construction activities* have been completed and the site has undergone *final stabilization*;
2. *Discharges* that are mixed with sources of non-stormwater other than those expressly authorized under subsection E.3. of this Part and identified in the SWPPP required by this permit;
3. *Discharges* that are required to obtain an individual SPDES permit or another SPDES general permit pursuant to Part VII.K. of this permit;
4. *Construction activities* or *discharges* from *construction activities* that may adversely affect an *endangered or threatened species* unless the *owner or*

operator has obtained a permit issued pursuant to 6 NYCRR Part 182 for the project or the Department has issued a letter of non-jurisdiction for the project. All documentation necessary to demonstrate eligibility shall be maintained on site in accordance with Part II.D.2 of this permit;

5. *Discharges* which either cause or contribute to a violation of *water quality standards* adopted pursuant to the *ECL* and its accompanying regulations;
6. *Construction activities* for residential, commercial and institutional projects:
 - a. Where the *discharges* from the *construction activities* are tributary to waters of the state classified as AA or AA-s; and
 - b. Which are undertaken on land with no existing *impervious cover*; and
 - c. Which disturb one (1) or more acres of land designated on the current United States Department of Agriculture (“USDA”) Soil Survey as Soil Slope Phase “D”, (provided the map unit name is inclusive of slopes greater than 25%), or Soil Slope Phase “E” or “F” (regardless of the map unit name), or a combination of the three designations.
7. *Construction activities* for linear transportation projects and linear utility projects:
 - a. Where the *discharges* from the *construction activities* are tributary to waters of the state classified as AA or AA-s; and
 - b. Which are undertaken on land with no existing *impervious cover*; and
 - c. Which disturb two (2) or more acres of land designated on the current USDA Soil Survey as Soil Slope Phase “D” (provided the map unit name is inclusive of slopes greater than 25%), or Soil Slope Phase “E” or “F” (regardless of the map unit name), or a combination of the three designations.

8. *Construction activities* that have the potential to affect an *historic property*, unless there is documentation that such impacts have been resolved. The following documentation necessary to demonstrate eligibility with this requirement shall be maintained on site in accordance with Part II.D.2 of this permit and made available to the Department in accordance with Part VII.F of this permit:
- a. Documentation that the *construction activity* is not within an archeologically sensitive area indicated on the sensitivity map, and that the *construction activity* is not located on or immediately adjacent to a property listed or determined to be eligible for listing on the National or State Registers of Historic Places, and that there is no new permanent building on the *construction site* within the following distances from a building, structure, or object that is more than 50 years old, or if there is such a new permanent building on the *construction site* within those parameters that NYS Office of Parks, Recreation and Historic Preservation (OPRHP), a Historic Preservation Commission of a Certified Local Government, or a qualified preservation professional has determined that the building, structure, or object more than 50 years old is not historically/archeologically significant.
 - 1-5 acres of disturbance - 20 feet
 - 5-20 acres of disturbance - 50 feet
 - 20+ acres of disturbance - 100 feet, or
 - b. DEC consultation form sent to OPRHP, and copied to the NYS DEC Agency Historic Preservation Officer (APO), and
 - (i) the State Environmental Quality Review (SEQR) Environmental Assessment Form (EAF) with a negative declaration or the Findings Statement, with documentation of OPRHP's agreement with the resolution; or
 - (ii) documentation from OPRHP that the *construction activity* will result in No Impact; or
 - (iii) documentation from OPRHP providing a determination of No Adverse Impact; or
 - (iv) a Letter of Resolution signed by the owner/operator, OPRHP and the DEC APO which allows for this *construction activity* to be eligible for coverage under the general permit in terms of the State Historic Preservation Act (SHPA); or
 - c. Documentation of satisfactory compliance with Section 106 of the National Historic Preservation Act for a coterminous project area:

- (i) No Affect
- (ii) No Adverse Affect
- (iii) Executed Memorandum of Agreement, or

d. Documentation that:

- (i) SHPA Section 14.09 has been completed by NYS DEC or another state agency.
9. *Discharges from construction activities* that are subject to an existing SPDES individual or general permit where a SPDES permit for *construction activity* has been terminated or denied; or where the *owner or operator* has failed to renew an expired individual permit.

Part II. PERMIT COVERAGE

A. How to Obtain Coverage

1. An *owner or operator* of a *construction activity* that is not subject to the requirements of a regulated, traditional land use control MS4 must first prepare a SWPPP in accordance with all applicable requirements of this permit and then submit a completed Notice of Intent (NOI) to the Department to be authorized to discharge under this permit.
2. An *owner or operator* of a *construction activity* that is subject to the requirements of a *regulated, traditional land use control MS4* must first prepare a SWPPP in accordance with all applicable requirements of this permit and then have the SWPPP reviewed and accepted by the *regulated, traditional land use control MS4* prior to submitting the NOI to the Department. The *owner or operator* shall have the “MS4 SWPPP Acceptance” form signed in accordance with Part VII.H., and then submit that form along with a completed NOI to the Department.
3. The requirement for an *owner or operator* to have its SWPPP reviewed and accepted by the *regulated, traditional land use control MS4* prior to submitting the NOI to the Department does not apply to an *owner or operator* that is obtaining permit coverage in accordance with the requirements in Part II.F. (Change of *Owner or Operator*) or where the *owner or operator* of the *construction activity* is the *regulated, traditional land use control MS4* . This exemption does not apply to *construction activities* subject to the New York City Administrative Code.

B. Notice of Intent (NOI) Submittal

1. Prior to December 21, 2020, an owner or operator shall use either the electronic (eNOI) or paper version of the NOI that the Department prepared. Both versions of the NOI are located on the Department's website (<http://www.dec.ny.gov/>). The paper version of the NOI shall be signed in accordance with Part VII.H. of this permit and submitted to the following address:

**NOTICE OF INTENT
NYS DEC, Bureau of Water Permits
625 Broadway, 4th Floor
Albany, New York 12233-3505**

2. Beginning December 21, 2020 and in accordance with EPA's 2015 NPDES Electronic Reporting Rule (40 CFR Part 127), the *owner or operator* must submit the NOI electronically using the *Department's* online NOI.
3. The *owner or operator* shall have the SWPPP preparer sign the "SWPPP Preparer Certification" statement on the NOI prior to submitting the form to the Department.
4. As of the date the NOI is submitted to the Department, the *owner or operator* shall make the NOI and SWPPP available for review and copying in accordance with the requirements in Part VII.F. of this permit.

C. Permit Authorization

1. An *owner or operator* shall not *commence construction activity* until their authorization to *discharge* under this permit goes into effect.
2. Authorization to *discharge* under this permit will be effective when the *owner or operator* has satisfied all of the following criteria:
 - a. project review pursuant to the State Environmental Quality Review Act ("SEQRA") have been satisfied, when SEQRA is applicable. See the Department's website (<http://www.dec.ny.gov/>) for more information,
 - b. where required, all necessary Department permits subject to the *Uniform Procedures Act ("UPA")* (see 6 NYCRR Part 621), or the equivalent from another New York State agency, have been obtained, unless otherwise notified by the Department pursuant to 6 NYCRR 621.3(a)(4). *Owners or operators of construction activities* that are required to obtain *UPA* permits

must submit a preliminary SWPPP to the appropriate DEC Permit Administrator at the Regional Office listed in Appendix F at the time all other necessary *UPA* permit applications are submitted. The preliminary SWPPP must include sufficient information to demonstrate that the *construction activity* qualifies for authorization under this permit,

- c. the final SWPPP has been prepared, and
 - d. a complete NOI has been submitted to the Department in accordance with the requirements of this permit.
3. An *owner or operator* that has satisfied the requirements of Part II.C.2 above will be authorized to *discharge* stormwater from their *construction activity* in accordance with the following schedule:
- a. For *construction activities* that are not subject to the requirements of a *regulated, traditional land use control MS4*:
 - (i) Five (5) business days from the date the Department receives a complete electronic version of the NOI (eNOI) for *construction activities* with a SWPPP that has been prepared in conformance with the design criteria in the technical standard referenced in Part III.B.1 and the *performance criteria* in the technical standard referenced in Parts III.B., 2 or 3, for *construction activities* that require post-construction stormwater management practices pursuant to Part III.C.; or
 - (ii) Sixty (60) business days from the date the Department receives a complete NOI (electronic or paper version) for *construction activities* with a SWPPP that has not been prepared in conformance with the design criteria in technical standard referenced in Part III.B.1. or, for *construction activities* that require post-construction stormwater management practices pursuant to Part III.C., the *performance criteria* in the technical standard referenced in Parts III.B., 2 or 3, or;
 - (iii) Ten (10) business days from the date the Department receives a complete paper version of the NOI for *construction activities* with a SWPPP that has been prepared in conformance with the design criteria in the technical standard referenced in Part III.B.1 and the *performance criteria* in the technical standard referenced in Parts III.B., 2 or 3, for *construction activities* that require post-construction stormwater management practices pursuant to Part III.C.

- b. For *construction activities* that are subject to the requirements of a *regulated, traditional land use control MS4*:
 - (i) Five (5) business days from the date the Department receives both a complete electronic version of the NOI (eNOI) and signed “MS4 SWPPP Acceptance” form, or
 - (ii) Ten (10) business days from the date the Department receives both a complete paper version of the NOI and signed “MS4 SWPPP Acceptance” form.
4. Coverage under this permit authorizes stormwater *discharges* from only those areas of disturbance that are identified in the NOI. If an *owner or operator* wishes to have stormwater *discharges* from future or additional areas of disturbance authorized, they must submit a new NOI that addresses that phase of the development, unless otherwise notified by the Department. The *owner or operator* shall not *commence construction activity* on the future or additional areas until their authorization to *discharge* under this permit goes into effect in accordance with Part II.C. of this permit.

D. General Requirements For Owners or Operators With Permit Coverage

1. The *owner or operator* shall ensure that the provisions of the SWPPP are implemented from the *commencement of construction activity* until all areas of disturbance have achieved *final stabilization* and the Notice of Termination (“NOT”) has been submitted to the Department in accordance with Part V. of this permit. This includes any changes made to the SWPPP pursuant to Part III.A.4. of this permit.
2. The *owner or operator* shall maintain a copy of the General Permit (GP-0-20-001), NOI, *NOI Acknowledgment Letter*, SWPPP, MS4 SWPPP Acceptance form, inspection reports, responsible contractor’s or subcontractor’s certification statement (see Part III.A.6.), and all documentation necessary to demonstrate eligibility with this permit at the *construction site* until all disturbed areas have achieved *final stabilization* and the NOT has been submitted to the Department. The documents must be maintained in a secure location, such as a job trailer, on-site construction office, or mailbox with lock. The secure location must be accessible during normal business hours to an individual performing a compliance inspection.
3. The *owner or operator of a construction activity* shall not disturb greater than five (5) acres of soil at any one time without prior written authorization from the Department or, in areas under the jurisdiction of a *regulated, traditional land*

- use control MS4, the regulated, traditional land use control MS4 (provided the regulated, traditional land use control MS4 is not the owner or operator of the construction activity). At a minimum, the owner or operator must comply with the following requirements in order to be authorized to disturb greater than five (5) acres of soil at any one time:*
- a. The *owner or operator* shall have a *qualified inspector* conduct **at least two (2)** site inspections in accordance with Part IV.C. of this permit every seven (7) calendar days, for as long as greater than five (5) acres of soil remain disturbed. The two (2) inspections shall be separated by a minimum of two (2) full calendar days.
 - b. In areas where soil disturbance activity has temporarily or permanently ceased, the application of soil stabilization measures must be initiated by the end of the next business day and completed within seven (7) days from the date the current soil disturbance activity ceased. The soil stabilization measures selected shall be in conformance with the technical standard, New York State Standards and Specifications for Erosion and Sediment Control, dated November 2016.
 - c. The *owner or operator* shall prepare a phasing plan that defines maximum disturbed area per phase and shows required cuts and fills.
 - d. The *owner or operator* shall install any additional site-specific practices needed to protect water quality.
 - e. The *owner or operator* shall include the requirements above in their SWPPP.
4. In accordance with statute, regulations, and the terms and conditions of this permit, the Department may suspend or revoke an *owner's or operator's* coverage under this permit at any time if the Department determines that the SWPPP does not meet the permit requirements or consistent with Part VII.K..
 5. Upon a finding of significant non-compliance with the practices described in the SWPPP or violation of this permit, the Department may order an immediate stop to all activity at the site until the non-compliance is remedied. The stop work order shall be in writing, describe the non-compliance in detail, and be sent to the *owner or operator*.
 6. For *construction activities* that are subject to the requirements of a *regulated, traditional land use control MS4*, the *owner or operator* shall notify the

regulated, traditional land use control MS4 in writing of any planned amendments or modifications to the post-construction stormwater management practice component of the SWPPP required by Part III.A. 4. and 5. of this permit. Unless otherwise notified by the *regulated, traditional land use control MS4*, the *owner or operator* shall have the SWPPP amendments or modifications reviewed and accepted by the *regulated, traditional land use control MS4* prior to commencing construction of the post-construction stormwater management practice.

E. Permit Coverage for Discharges Authorized Under GP-0-15-002

1. Upon renewal of SPDES General Permit for Stormwater Discharges from *Construction Activity* (Permit No. GP-0-15-002), an *owner or operator* of a *construction activity* with coverage under GP-0-15-002, as of the effective date of GP- 0-20-001, shall be authorized to *discharge* in accordance with GP- 0-20-001, unless otherwise notified by the Department.

An *owner or operator* may continue to implement the technical/design components of the post-construction stormwater management controls provided that such design was done in conformance with the technical standards in place at the time of initial project authorization. However, they must comply with the other, non-design provisions of GP-0-20-001.

F. Change of Owner or Operator

1. When property ownership changes or when there is a change in operational control over the construction plans and specifications, the original *owner or operator* must notify the new *owner or operator*, in writing, of the requirement to obtain permit coverage by submitting a NOI with the Department. For *construction activities* subject to the requirements of a *regulated, traditional land use control MS4*, the original *owner or operator* must also notify the MS4, in writing, of the change in ownership at least 30 calendar days prior to the change in ownership.
2. Once the new *owner or operator* obtains permit coverage, the original *owner or operator* shall then submit a completed NOT with the name and permit identification number of the new *owner or operator* to the Department at the address in Part II.B.1. of this permit. If the original *owner or operator* maintains ownership of a portion of the *construction activity* and will disturb soil, they must maintain their coverage under the permit.
3. Permit coverage for the new *owner or operator* will be effective as of the date the Department receives a complete NOI, provided the original *owner or*

operator was not subject to a sixty (60) business day authorization period that has not expired as of the date the Department receives the NOI from the new *owner or operator*.

Part III. STORMWATER POLLUTION PREVENTION PLAN (SWPPP)

A. General SWPPP Requirements

1. A SWPPP shall be prepared and implemented by the *owner or operator* of each *construction activity* covered by this permit. The SWPPP must document the selection, design, installation, implementation and maintenance of the control measures and practices that will be used to meet the effluent limitations in Part I.B. of this permit and where applicable, the post-construction stormwater management practice requirements in Part I.C. of this permit. The SWPPP shall be prepared prior to the submittal of the NOI. The NOI shall be submitted to the Department prior to the *commencement of construction activity*. A copy of the completed, final NOI shall be included in the SWPPP.
2. The SWPPP shall describe the erosion and sediment control practices and where required, post-construction stormwater management practices that will be used and/or constructed to reduce the *pollutants* in stormwater *discharges* and to assure compliance with the terms and conditions of this permit. In addition, the SWPPP shall identify potential sources of pollution which may reasonably be expected to affect the quality of stormwater *discharges*.
3. All SWPPPs that require the post-construction stormwater management practice component shall be prepared by a *qualified professional* that is knowledgeable in the principles and practices of stormwater management and treatment.
4. The *owner or operator* must keep the SWPPP current so that it at all times accurately documents the erosion and sediment controls practices that are being used or will be used during construction, and all post-construction stormwater management practices that will be constructed on the site. At a minimum, the *owner or operator* shall amend the SWPPP, including construction drawings:
 - a. whenever the current provisions prove to be ineffective in minimizing *pollutants* in stormwater *discharges* from the site;

- b. whenever there is a change in design, construction, or operation at the *construction site* that has or could have an effect on the *discharge* of *pollutants*;
 - c. to address issues or deficiencies identified during an inspection by the *qualified inspector*, the Department or other regulatory authority; and
 - d. to document the final construction conditions.
5. The Department may notify the *owner or operator* at any time that the SWPPP does not meet one or more of the minimum requirements of this permit. The notification shall be in writing and identify the provisions of the SWPPP that require modification. Within fourteen (14) calendar days of such notification, or as otherwise indicated by the Department, the *owner or operator* shall make the required changes to the SWPPP and submit written notification to the Department that the changes have been made. If the *owner or operator* does not respond to the Department's comments in the specified time frame, the Department may suspend the *owner's or operator's* coverage under this permit or require the *owner or operator* to obtain coverage under an individual SPDES permit in accordance with Part II.D.4. of this permit.
6. Prior to the *commencement of construction activity*, the *owner or operator* must identify the contractor(s) and subcontractor(s) that will be responsible for installing, constructing, repairing, replacing, inspecting and maintaining the erosion and sediment control practices included in the SWPPP; and the contractor(s) and subcontractor(s) that will be responsible for constructing the post-construction stormwater management practices included in the SWPPP. The *owner or operator* shall have each of the contractors and subcontractors identify at least one person from their company that will be responsible for implementation of the SWPPP. This person shall be known as the *trained contractor*. The *owner or operator* shall ensure that at least one *trained contractor* is on site on a daily basis when soil disturbance activities are being performed.

The *owner or operator* shall have each of the contractors and subcontractors identified above sign a copy of the following certification statement below before they commence any *construction activity*:

"I hereby certify under penalty of law that I understand and agree to comply with the terms and conditions of the SWPPP and agree to implement any corrective actions identified by the *qualified inspector* during a site inspection. I also understand that the *owner or operator* must comply with

the terms and conditions of the most current version of the New York State Pollutant Discharge Elimination System ("SPDES") general permit for stormwater *discharges* from *construction activities* and that it is unlawful for any person to cause or contribute to a violation of *water quality standards*. Furthermore, I am aware that there are significant penalties for submitting false information, that I do not believe to be true, including the possibility of fine and imprisonment for knowing violations"

In addition to providing the certification statement above, the certification page must also identify the specific elements of the SWPPP that each contractor and subcontractor will be responsible for and include the name and title of the person providing the signature; the name and title of the *trained contractor* responsible for SWPPP implementation; the name, address and telephone number of the contracting firm; the address (or other identifying description) of the site; and the date the certification statement is signed. The *owner or operator* shall attach the certification statement(s) to the copy of the SWPPP that is maintained at the *construction site*. If new or additional contractors are hired to implement measures identified in the SWPPP after construction has commenced, they must also sign the certification statement and provide the information listed above.

7. For projects where the Department requests a copy of the SWPPP or inspection reports, the *owner or operator* shall submit the documents in both electronic (PDF only) and paper format within five (5) business days, unless otherwise notified by the Department.

B. Required SWPPP Contents

1. Erosion and sediment control component - All SWPPPs prepared pursuant to this permit shall include erosion and sediment control practices designed in conformance with the technical standard, New York State Standards and Specifications for Erosion and Sediment Control, dated November 2016. Where erosion and sediment control practices are not designed in conformance with the design criteria included in the technical standard, the *owner or operator* must demonstrate *equivalence* to the technical standard. At a minimum, the erosion and sediment control component of the SWPPP shall include the following:
 - a. Background information about the scope of the project, including the location, type and size of project

- b. A site map/construction drawing(s) for the project, including a general location map. At a minimum, the site map shall show the total site area; all improvements; areas of disturbance; areas that will not be disturbed; existing vegetation; on-site and adjacent off-site surface water(s); floodplain/floodway boundaries; wetlands and drainage patterns that could be affected by the *construction activity*; existing and final contours ; locations of different soil types with boundaries; material, waste, borrow or equipment storage areas located on adjacent properties; and location(s) of the stormwater *discharge(s)*;
- c. A description of the soil(s) present at the site, including an identification of the Hydrologic Soil Group (HSG);
- d. A construction phasing plan and sequence of operations describing the intended order of *construction activities*, including clearing and grubbing, excavation and grading, utility and infrastructure installation and any other activity at the site that results in soil disturbance;
- e. A description of the minimum erosion and sediment control practices to be installed or implemented for each *construction activity* that will result in soil disturbance. Include a schedule that identifies the timing of initial placement or implementation of each erosion and sediment control practice and the minimum time frames that each practice should remain in place or be implemented;
- f. A temporary and permanent soil stabilization plan that meets the requirements of this general permit and the technical standard, New York State Standards and Specifications for Erosion and Sediment Control, dated November 2016, for each stage of the project, including initial land clearing and grubbing to project completion and achievement of *final stabilization*;
- g. A site map/construction drawing(s) showing the specific location(s), size(s), and length(s) of each erosion and sediment control practice;
- h. The dimensions, material specifications, installation details, and operation and maintenance requirements for all erosion and sediment control practices. Include the location and sizing of any temporary sediment basins and structural practices that will be used to divert flows from exposed soils;
- i. A maintenance inspection schedule for the contractor(s) identified in Part III.A.6. of this permit, to ensure continuous and effective operation of the erosion and sediment control practices. The maintenance inspection

schedule shall be in accordance with the requirements in the technical standard, New York State Standards and Specifications for Erosion and Sediment Control, dated November 2016;

- j. A description of the pollution prevention measures that will be used to control litter, construction chemicals and construction debris from becoming a *pollutant* source in the stormwater *discharges*;
 - k. A description and location of any stormwater *discharges* associated with industrial activity other than construction at the site, including, but not limited to, stormwater *discharges* from asphalt plants and concrete plants located on the *construction site*; and
 - l. Identification of any elements of the design that are not in conformance with the design criteria in the technical standard, New York State Standards and Specifications for Erosion and Sediment Control, dated November 2016. Include the reason for the deviation or alternative design and provide information which demonstrates that the deviation or alternative design is *equivalent* to the technical standard.
2. Post-construction stormwater management practice component – The *owner or operator* of any construction project identified in Table 2 of Appendix B as needing post-construction stormwater management practices shall prepare a SWPPP that includes practices designed in conformance with the applicable *sizing criteria* in Part I.C.2.a., c. or d. of this permit and the *performance criteria* in the technical standard, New York State Stormwater Management Design Manual dated January 2015

Where post-construction stormwater management practices are not designed in conformance with the *performance criteria* in the technical standard, the *owner or operator* must include in the SWPPP the reason(s) for the deviation or alternative design and provide information which demonstrates that the deviation or alternative design is *equivalent* to the technical standard.

The post-construction stormwater management practice component of the SWPPP shall include the following:

- a. Identification of all post-construction stormwater management practices to be constructed as part of the project. Include the dimensions, material specifications and installation details for each post-construction stormwater management practice;

- b. A site map/construction drawing(s) showing the specific location and size of each post-construction stormwater management practice;
- c. A Stormwater Modeling and Analysis Report that includes:
 - (i) Map(s) showing pre-development conditions, including watershed/subcatchments boundaries, flow paths/routing, and design points;
 - (ii) Map(s) showing post-development conditions, including watershed/subcatchments boundaries, flow paths/routing, design points and post-construction stormwater management practices;
 - (iii) Results of stormwater modeling (i.e. hydrology and hydraulic analysis) for the required storm events. Include supporting calculations (model runs), methodology, and a summary table that compares pre and post-development runoff rates and volumes for the different storm events;
 - (iv) Summary table, with supporting calculations, which demonstrates that each post-construction stormwater management practice has been designed in conformance with the *sizing criteria* included in the Design Manual;
 - (v) Identification of any *sizing criteria* that is not required based on the requirements included in Part I.C. of this permit; and
 - (vi) Identification of any elements of the design that are not in conformance with the *performance criteria* in the Design Manual. Include the reason(s) for the deviation or alternative design and provide information which demonstrates that the deviation or alternative design is *equivalent* to the Design Manual;
- d. Soil testing results and locations (test pits, borings);
- e. Infiltration test results, when required; and
- f. An operations and maintenance plan that includes inspection and maintenance schedules and actions to ensure continuous and effective operation of each post-construction stormwater management practice. The plan shall identify the entity that will be responsible for the long term operation and maintenance of each practice.

3. Enhanced Phosphorus Removal Standards - All construction projects identified in Table 2 of Appendix B that are located in the watersheds identified in Appendix C shall prepare a SWPPP that includes post-construction stormwater management practices designed in conformance with the applicable *sizing criteria* in Part I.C.2. b., c. or d. of this permit and the *performance criteria*, Enhanced Phosphorus Removal Standards included in the Design Manual. At a minimum, the post-construction stormwater management practice component of the SWPPP shall include items 2.a - 2.f. above.

C. Required SWPPP Components by Project Type

Unless otherwise notified by the Department, *owners or operators of construction activities* identified in Table 1 of Appendix B are required to prepare a SWPPP that only includes erosion and sediment control practices designed in conformance with Part III.B.1 of this permit. *Owners or operators of the construction activities* identified in Table 2 of Appendix B shall prepare a SWPPP that also includes post-construction stormwater management practices designed in conformance with Part III.B.2 or 3 of this permit.

Part IV. INSPECTION AND MAINTENANCE REQUIREMENTS

A. General Construction Site Inspection and Maintenance Requirements

1. The *owner or operator* must ensure that all erosion and sediment control practices (including pollution prevention measures) and all post-construction stormwater management practices identified in the SWPPP are inspected and maintained in accordance with Part IV.B. and C. of this permit.
2. The terms of this permit shall not be construed to prohibit the State of New York from exercising any authority pursuant to the ECL, common law or federal law, or prohibit New York State from taking any measures, whether civil or criminal, to prevent violations of the laws of the State of New York or protect the public health and safety and/or the environment.

B. Contractor Maintenance Inspection Requirements

1. The *owner or operator* of each *construction activity* identified in Tables 1 and 2 of Appendix B shall have a *trained contractor* inspect the erosion and sediment control practices and pollution prevention measures being implemented within the active work area daily to ensure that they are being maintained in effective operating condition at all times. If deficiencies are identified, the contractor shall

begin implementing corrective actions within one business day and shall complete the corrective actions in a reasonable time frame.

2. For construction sites where soil disturbance activities have been temporarily suspended (e.g. winter shutdown) and *temporary stabilization* measures have been applied to all disturbed areas, the *trained contractor* can stop conducting the maintenance inspections. The *trained contractor* shall begin conducting the maintenance inspections in accordance with Part IV.B.1. of this permit as soon as soil disturbance activities resume.
3. For construction sites where soil disturbance activities have been shut down with partial project completion, the *trained contractor* can stop conducting the maintenance inspections if all areas disturbed as of the project shutdown date have achieved *final stabilization* and all post-construction stormwater management practices required for the completed portion of the project have been constructed in conformance with the SWPPP and are operational.

C. Qualified Inspector Inspection Requirements

The *owner or operator* shall have a *qualified inspector* conduct site inspections in conformance with the following requirements:

[Note: The *trained contractor* identified in Part III.A.6. and IV.B. of this permit **cannot** conduct the *qualified inspector* site inspections unless they meet the *qualified inspector* qualifications included in Appendix A. In order to perform these inspections, the *trained contractor* would have to be a:

- licensed Professional Engineer,
 - Certified Professional in Erosion and Sediment Control (CPESC),
 - New York State Erosion and Sediment Control Certificate Program holder
 - Registered Landscape Architect, or
 - someone working under the direct supervision of, and at the same company as, the licensed Professional Engineer or Registered Landscape Architect, provided they have received four (4) hours of Department endorsed training in proper erosion and sediment control principles from a Soil and Water Conservation District, or other Department endorsed entity].
1. A *qualified inspector* shall conduct site inspections for all *construction activities* identified in Tables 1 and 2 of Appendix B, with the exception of:
 - a. the construction of a single family residential subdivision with 25% or less *impervious cover* at total site build-out that involves a soil disturbance of one (1) or more acres of land but less than five (5) acres and is not located

in one of the watersheds listed in Appendix C and not directly discharging to one of the 303(d) segments listed in Appendix E;

- b. the construction of a single family home that involves a soil disturbance of one (1) or more acres of land but less than five (5) acres and is not located in one of the watersheds listed in Appendix C and not directly discharging to one of the 303(d) segments listed in Appendix E;
 - c. construction on agricultural property that involves a soil disturbance of one (1) or more acres of land but less than five (5) acres; and
 - d. *construction activities* located in the watersheds identified in Appendix D that involve soil disturbances between five thousand (5,000) square feet and one (1) acre of land.
2. Unless otherwise notified by the Department, the *qualified inspector* shall conduct site inspections in accordance with the following timetable:
- a. For construction sites where soil disturbance activities are on-going, the *qualified inspector* shall conduct a site inspection at least once every seven (7) calendar days.
 - b. For construction sites where soil disturbance activities are on-going and the *owner or operator* has received authorization in accordance with Part II.D.3 to disturb greater than five (5) acres of soil at any one time, the *qualified inspector* shall conduct at least two (2) site inspections every seven (7) calendar days. The two (2) inspections shall be separated by a minimum of two (2) full calendar days.
 - c. For construction sites where soil disturbance activities have been temporarily suspended (e.g. winter shutdown) and *temporary stabilization* measures have been applied to all disturbed areas, the *qualified inspector* shall conduct a site inspection at least once every thirty (30) calendar days. The *owner or operator* shall notify the DOW Water (SPDES) Program contact at the Regional Office (see contact information in Appendix F) or, in areas under the jurisdiction of a *regulated, traditional land use control MS4*, the *regulated, traditional land use control MS4* (provided the *regulated, traditional land use control MS4* is not the *owner or operator* of the *construction activity*) in writing prior to reducing the frequency of inspections.

- d. For construction sites where soil disturbance activities have been shut down with partial project completion, the *qualified inspector* can stop conducting inspections if all areas disturbed as of the project shutdown date have achieved *final stabilization* and all post-construction stormwater management practices required for the completed portion of the project have been constructed in conformance with the SWPPP and are operational. The *owner or operator* shall notify the DOW Water (SPDES) Program contact at the Regional Office (see contact information in Appendix F) or, in areas under the jurisdiction of a *regulated, traditional land use control MS4*, the *regulated, traditional land use control MS4* (provided the *regulated, traditional land use control MS4* is not the *owner or operator* of the *construction activity*) in writing prior to the shutdown. If soil disturbance activities are not resumed within 2 years from the date of shutdown, the *owner or operator* shall have the *qualified inspector* perform a final inspection and certify that all disturbed areas have achieved *final stabilization*, and all temporary, structural erosion and sediment control measures have been removed; and that all post-construction stormwater management practices have been constructed in conformance with the SWPPP by signing the “*Final Stabilization*” and “*Post-Construction Stormwater Management Practice*” certification statements on the NOT. The *owner or operator* shall then submit the completed NOT form to the address in Part II.B.1 of this permit.
 - e. For construction sites that directly *discharge* to one of the 303(d) segments listed in Appendix E or is located in one of the watersheds listed in Appendix C, the *qualified inspector* shall conduct at least two (2) site inspections every seven (7) calendar days. The two (2) inspections shall be separated by a minimum of two (2) full calendar days.
3. At a minimum, the *qualified inspector* shall inspect all erosion and sediment control practices and pollution prevention measures to ensure integrity and effectiveness, all post-construction stormwater management practices under construction to ensure that they are constructed in conformance with the SWPPP, all areas of disturbance that have not achieved *final stabilization*, all points of *discharge* to natural surface waterbodies located within, or immediately adjacent to, the property boundaries of the *construction site*, and all points of *discharge* from the *construction site*.
 4. The *qualified inspector* shall prepare an inspection report subsequent to each and every inspection. At a minimum, the inspection report shall include and/or address the following:

- a. Date and time of inspection;
- b. Name and title of person(s) performing inspection;
- c. A description of the weather and soil conditions (e.g. dry, wet, saturated) at the time of the inspection;
- d. A description of the condition of the runoff at all points of *discharge* from the *construction site*. This shall include identification of any *discharges* of sediment from the *construction site*. Include *discharges* from conveyance systems (i.e. pipes, culverts, ditches, etc.) and overland flow;
- e. A description of the condition of all natural surface waterbodies located within, or immediately adjacent to, the property boundaries of the *construction site* which receive runoff from disturbed areas. This shall include identification of any *discharges* of sediment to the surface waterbody;
- f. Identification of all erosion and sediment control practices and pollution prevention measures that need repair or maintenance;
- g. Identification of all erosion and sediment control practices and pollution prevention measures that were not installed properly or are not functioning as designed and need to be reinstalled or replaced;
- h. Description and sketch of areas with active soil disturbance activity, areas that have been disturbed but are inactive at the time of the inspection, and areas that have been stabilized (temporary and/or final) since the last inspection;
- i. Current phase of construction of all post-construction stormwater management practices and identification of all construction that is not in conformance with the SWPPP and technical standards;
- j. Corrective action(s) that must be taken to install, repair, replace or maintain erosion and sediment control practices and pollution prevention measures; and to correct deficiencies identified with the construction of the post-construction stormwater management practice(s);
- k. Identification and status of all corrective actions that were required by previous inspection; and

- I. Digital photographs, with date stamp, that clearly show the condition of all practices that have been identified as needing corrective actions. The *qualified inspector* shall attach paper color copies of the digital photographs to the inspection report being maintained onsite within seven (7) calendar days of the date of the inspection. The *qualified inspector* shall also take digital photographs, with date stamp, that clearly show the condition of the practice(s) after the corrective action has been completed. The *qualified inspector* shall attach paper color copies of the digital photographs to the inspection report that documents the completion of the corrective action work within seven (7) calendar days of that inspection.
5. Within one business day of the completion of an inspection, the *qualified inspector* shall notify the *owner or operator* and appropriate contractor or subcontractor identified in Part III.A.6. of this permit of any corrective actions that need to be taken. The contractor or subcontractor shall begin implementing the corrective actions within one business day of this notification and shall complete the corrective actions in a reasonable time frame.
6. All inspection reports shall be signed by the *qualified inspector*. Pursuant to Part II.D.2. of this permit, the inspection reports shall be maintained on site with the SWPPP.

Part V. TERMINATION OF PERMIT COVERAGE

A. Termination of Permit Coverage

1. An *owner or operator* that is eligible to terminate coverage under this permit must submit a completed NOT form to the address in Part II.B.1 of this permit. The NOT form shall be one which is associated with this permit, signed in accordance with Part VII.H of this permit.
2. An *owner or operator* may terminate coverage when one or more the following conditions have been met:
 - a. Total project completion - All *construction activity* identified in the SWPPP has been completed; and all areas of disturbance have achieved *final stabilization*; and all temporary, structural erosion and sediment control measures have been removed; and all post-construction stormwater management practices have been constructed in conformance with the SWPPP and are operational;

- b. Planned shutdown with partial project completion - All soil disturbance activities have ceased; and all areas disturbed as of the project shutdown date have achieved *final stabilization*; and all temporary, structural erosion and sediment control measures have been removed; and all post-construction stormwater management practices required for the completed portion of the project have been constructed in conformance with the SWPPP and are operational;
 - c. A new *owner or operator* has obtained coverage under this permit in accordance with Part II.F. of this permit.
 - d. The *owner or operator* obtains coverage under an alternative SPDES general permit or an individual SPDES permit.
 3. For *construction activities* meeting subdivision 2a. or 2b. of this Part, the *owner or operator* shall have the *qualified inspector* perform a final site inspection prior to submitting the NOT. The *qualified inspector* shall, by signing the “*Final Stabilization*” and “Post-Construction Stormwater Management Practice certification statements on the NOT, certify that all the requirements in Part V.A.2.a. or b. of this permit have been achieved.
 4. For *construction activities* that are subject to the requirements of a *regulated, traditional land use control MS4* and meet subdivision 2a. or 2b. of this Part, the *owner or operator* shall have the *regulated, traditional land use control MS4* sign the “MS4 Acceptance” statement on the NOT in accordance with the requirements in Part VII.H. of this permit. The *regulated, traditional land use control MS4* official, by signing this statement, has determined that it is acceptable for the *owner or operator* to submit the NOT in accordance with the requirements of this Part. The *regulated, traditional land use control MS4* can make this determination by performing a final site inspection themselves or by accepting the *qualified inspector’s* final site inspection certification(s) required in Part V.A.3. of this permit.
 5. For *construction activities* that require post-construction stormwater management practices and meet subdivision 2a. of this Part, the *owner or operator* must, prior to submitting the NOT, ensure one of the following:
 - a. the post-construction stormwater management practice(s) and any right-of-way(s) needed to maintain such practice(s) have been deeded to the municipality in which the practice(s) is located,

- b. an executed maintenance agreement is in place with the municipality that will maintain the post-construction stormwater management practice(s),
- c. for post-construction stormwater management practices that are privately owned, the *owner or operator* has a mechanism in place that requires operation and maintenance of the practice(s) in accordance with the operation and maintenance plan, such as a deed covenant in the *owner or operator's* deed of record,
- d. for post-construction stormwater management practices that are owned by a public or private institution (e.g. school, university, hospital), government agency or authority, or public utility; the *owner or operator* has policy and procedures in place that ensures operation and maintenance of the practices in accordance with the operation and maintenance plan.

Part VI. REPORTING AND RETENTION RECORDS

A. Record Retention

The *owner or operator* shall retain a copy of the NOI, NOI Acknowledgment Letter, SWPPP, MS4 SWPPP Acceptance form and any inspection reports that were prepared in conjunction with this permit for a period of at least five (5) years from the date that the Department receives a complete NOT submitted in accordance with Part V. of this general permit.

B. Addresses

With the exception of the NOI, NOT, and MS4 SWPPP Acceptance form (which must be submitted to the address referenced in Part II.B.1 of this permit), all written correspondence requested by the Department, including individual permit applications, shall be sent to the address of the appropriate DOW Water (SPDES) Program contact at the Regional Office listed in Appendix F.

Part VII. STANDARD PERMIT CONDITIONS

A. Duty to Comply

The *owner or operator* must comply with all conditions of this permit. All contractors and subcontractors associated with the project must comply with the terms of the SWPPP. Any non-compliance with this permit constitutes a violation of the Clean Water

Act (CWA) and the ECL and is grounds for an enforcement action against the *owner or operator* and/or the contractor/subcontractor; permit revocation, suspension or modification; or denial of a permit renewal application. Upon a finding of significant non-compliance with this permit or the applicable SWPPP, the Department may order an immediate stop to all *construction activity* at the site until the non-compliance is remedied. The stop work order shall be in writing, shall describe the non-compliance in detail, and shall be sent to the *owner or operator*.

If any human remains or archaeological remains are encountered during excavation, the *owner or operator* must immediately cease, or cause to cease, all *construction activity* in the area of the remains and notify the appropriate Regional Water Engineer (RWE). *Construction activity* shall not resume until written permission to do so has been received from the RWE.

B. Continuation of the Expired General Permit

This permit expires five (5) years from the effective date. If a new general permit is not issued prior to the expiration of this general permit, an *owner or operator* with coverage under this permit may continue to operate and *discharge* in accordance with the terms and conditions of this general permit, if it is extended pursuant to the State Administrative Procedure Act and 6 NYCRR Part 621, until a new general permit is issued.

C. Enforcement

Failure of the *owner or operator*, its contractors, subcontractors, agents and/or assigns to strictly adhere to any of the permit requirements contained herein shall constitute a violation of this permit. There are substantial criminal, civil, and administrative penalties associated with violating the provisions of this permit. Fines of up to \$37,500 per day for each violation and imprisonment for up to fifteen (15) years may be assessed depending upon the nature and degree of the offense.

D. Need to Halt or Reduce Activity Not a Defense

It shall not be a defense for an *owner or operator* in an enforcement action that it would have been necessary to halt or reduce the *construction activity* in order to maintain compliance with the conditions of this permit.

E. Duty to Mitigate

The *owner or operator* and its contractors and subcontractors shall take all reasonable steps to *minimize* or prevent any *discharge* in violation of this permit which has a reasonable likelihood of adversely affecting human health or the environment.

F. Duty to Provide Information

The *owner or operator* shall furnish to the Department, within a reasonable specified time period of a written request, all documentation necessary to demonstrate eligibility and any information to determine compliance with this permit or to determine whether cause exists for modifying or revoking this permit, or suspending or denying coverage under this permit, in accordance with the terms and conditions of this permit. The NOI, SWPPP and inspection reports required by this permit are public documents that the *owner or operator* must make available for review and copying by any person within five (5) business days of the *owner or operator* receiving a written request by any such person to review these documents. Copying of documents will be done at the requester's expense.

G. Other Information

When the *owner or operator* becomes aware that they failed to submit any relevant facts, or submitted incorrect information in the NOI or in any of the documents required by this permit, or have made substantive revisions to the SWPPP (e.g. the scope of the project changes significantly, the type of post-construction stormwater management practice(s) changes, there is a reduction in the sizing of the post-construction stormwater management practice, or there is an increase in the disturbance area or *impervious area*), which were not reflected in the original NOI submitted to the Department, they shall promptly submit such facts or information to the Department using the contact information in Part II.A. of this permit. Failure of the *owner or operator* to correct or supplement any relevant facts within five (5) business days of becoming aware of the deficiency shall constitute a violation of this permit.

H. Signatory Requirements

1. All NOIs and NOTs shall be signed as follows:
 - a. For a corporation these forms shall be signed by a responsible corporate officer. For the purpose of this section, a responsible corporate officer means:

- (i) a president, secretary, treasurer, or vice-president of the corporation in charge of a principal business function, or any other person who performs similar policy or decision-making functions for the corporation; or
 - (ii) the manager of one or more manufacturing, production or operating facilities, provided the manager is authorized to make management decisions which govern the operation of the regulated facility including having the explicit or implicit duty of making major capital investment recommendations, and initiating and directing other comprehensive measures to assure long term environmental compliance with environmental laws and regulations; the manager can ensure that the necessary systems are established or actions taken to gather complete and accurate information for permit application requirements; and where authority to sign documents has been assigned or delegated to the manager in accordance with corporate procedures;
 - b. For a partnership or sole proprietorship these forms shall be signed by a general partner or the proprietor, respectively; or
 - c. For a municipality, State, Federal, or other public agency these forms shall be signed by either a principal executive officer or ranking elected official. For purposes of this section, a principal executive officer of a Federal agency includes:
 - (i) the chief executive officer of the agency, or
 - (ii) a senior executive officer having responsibility for the overall operations of a principal geographic unit of the agency (e.g., Regional Administrators of EPA).
2. The SWPPP and other information requested by the Department shall be signed by a person described in Part VII.H.1. of this permit or by a duly authorized representative of that person. A person is a duly authorized representative only if:
- a. The authorization is made in writing by a person described in Part VII.H.1. of this permit;
 - b. The authorization specifies either an individual or a position having responsibility for the overall operation of the regulated facility or activity, such as the position of plant manager, operator of a well or a well field,

superintendent, position of *equivalent* responsibility, or an individual or position having overall responsibility for environmental matters for the company. (A duly authorized representative may thus be either a named individual or any individual occupying a named position) and,

- c. The written authorization shall include the name, title and signature of the authorized representative and be attached to the SWPPP.
3. All inspection reports shall be signed by the *qualified inspector* that performs the inspection.
4. The MS4 SWPPP Acceptance form shall be signed by the principal executive officer or ranking elected official from the *regulated, traditional land use control MS4*, or by a duly authorized representative of that person.

It shall constitute a permit violation if an incorrect and/or improper signatory authorizes any required forms, SWPPP and/or inspection reports.

I. Property Rights

The issuance of this permit does not convey any property rights of any sort, nor any exclusive privileges, nor does it authorize any injury to private property nor any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations. *Owners or operators* must obtain any applicable conveyances, easements, licenses and/or access to real property prior to *commencing construction activity*.

J. Severability

The provisions of this permit are severable, and if any provision of this permit, or the application of any provision of this permit to any circumstance, is held invalid, the application of such provision to other circumstances, and the remainder of this permit shall not be affected thereby.

K. Requirement to Obtain Coverage Under an Alternative Permit

1. The Department may require any owner or operator authorized by this permit to apply for and/or obtain either an individual SPDES permit or another SPDES general permit. When the Department requires any discharger authorized by a general permit to apply for an individual SPDES permit, it shall notify the discharger in writing that a permit application is required. This notice shall

include a brief statement of the reasons for this decision, an application form, a statement setting a time frame for the owner or operator to file the application for an individual SPDES permit, and a deadline, not sooner than 180 days from owner or operator receipt of the notification letter, whereby the authorization to discharge under this general permit shall be terminated. Applications must be submitted to the appropriate Permit Administrator at the Regional Office. The Department may grant additional time upon demonstration, to the satisfaction of the Department, that additional time to apply for an alternative authorization is necessary or where the Department has not provided a permit determination in accordance with Part 621 of this Title.

2. When an individual SPDES permit is issued to a discharger authorized to *discharge* under a general SPDES permit for the same *discharge(s)*, the general permit authorization for outfalls authorized under the individual SPDES permit is automatically terminated on the effective date of the individual permit unless termination is earlier in accordance with 6 NYCRR Part 750.

L. Proper Operation and Maintenance

The *owner or operator* shall at all times properly operate and maintain all facilities and systems of treatment and control (and related appurtenances) which are installed or used by the *owner or operator* to achieve compliance with the conditions of this permit and with the requirements of the SWPPP.

M. Inspection and Entry

The *owner or operator* shall allow an authorized representative of the Department, EPA, applicable county health department, or, in the case of a *construction site* which *discharges* through an *MS4*, an authorized representative of the *MS4* receiving the discharge, upon the presentation of credentials and other documents as may be required by law, to:

1. Enter upon the owner's or operator's premises where a regulated facility or activity is located or conducted or where records must be kept under the conditions of this permit;
2. Have access to and copy at reasonable times, any records that must be kept under the conditions of this permit; and

3. Inspect at reasonable times any facilities or equipment (including monitoring and control equipment), practices or operations regulated or required by this permit.
4. Sample or monitor at reasonable times, for purposes of assuring permit compliance or as otherwise authorized by the Act or ECL, any substances or parameters at any location.

N. Permit Actions

This permit may, at any time, be modified, suspended, revoked, or renewed by the Department in accordance with 6 NYCRR Part 621. The filing of a request by the *owner or operator* for a permit modification, revocation and reissuance, termination, a notification of planned changes or anticipated noncompliance does not limit, diminish and/or stay compliance with any terms of this permit.

O. Definitions

Definitions of key terms are included in Appendix A of this permit.

P. Re-Opener Clause

1. If there is evidence indicating potential or realized impacts on water quality due to any stormwater discharge associated with construction activity covered by this permit, the owner or operator of such discharge may be required to obtain an individual permit or alternative general permit in accordance with Part VII.K. of this permit or the permit may be modified to include different limitations and/or requirements.
2. Any Department initiated permit modification, suspension or revocation will be conducted in accordance with 6 NYCRR Part 621, 6 NYCRR 750-1.18, and 6 NYCRR 750-1.20.

Q. Penalties for Falsification of Forms and Reports

In accordance with 6NYCRR Part 750-2.4 and 750-2.5, any person who knowingly makes any false material statement, representation, or certification in any application, record, report or other document filed or required to be maintained under this permit, including reports of compliance or noncompliance shall, upon conviction, be punished in accordance with ECL §71-1933 and or Articles 175 and 210 of the New York State Penal Law.

R. Other Permits

Nothing in this permit relieves the *owner or operator* from a requirement to obtain any other permits required by law.

APPENDIX A – Acronyms and Definitions

Acronyms

APO – Agency Preservation Officer

BMP – Best Management Practice

CPESC – Certified Professional in Erosion and Sediment Control

Cpv – Channel Protection Volume

CWA – Clean Water Act (or the Federal Water Pollution Control Act, 33 U.S.C. §1251 et seq)

DOW – Division of Water

EAF – Environmental Assessment Form

ECL - Environmental Conservation Law

EPA – U. S. Environmental Protection Agency

HSG – Hydrologic Soil Group

MS4 – Municipal Separate Storm Sewer System

NOI – Notice of Intent

NOT – Notice of Termination

NPDES – National Pollutant Discharge Elimination System

OPRHP – Office of Parks, Recreation and Historic Places

Qf – Extreme Flood

Qp – Overbank Flood

RRv – Runoff Reduction Volume

RWE – Regional Water Engineer

SEQR – State Environmental Quality Review

SEQRA - State Environmental Quality Review Act

SHPA – State Historic Preservation Act

SPDES – State Pollutant Discharge Elimination System

SWPPP – Stormwater Pollution Prevention Plan

TMDL – Total Maximum Daily Load

UPA – Uniform Procedures Act

USDA – United States Department of Agriculture

WQv – Water Quality Volume

Definitions

All definitions in this section are solely for the purposes of this permit.

Agricultural Building – a structure designed and constructed to house farm implements, hay, grain, poultry, livestock or other horticultural products; excluding any structure designed, constructed or used, in whole or in part, for human habitation, as a place of employment where agricultural products are processed, treated or packaged, or as a place used by the public.

Agricultural Property – means the land for construction of a barn, *agricultural building*, silo, stockyard, pen or other structural practices identified in Table II in the “Agricultural Management Practices Catalog for Nonpoint Source Pollution in New York State” prepared by the Department in cooperation with agencies of New York Nonpoint Source Coordinating Committee (dated June 2007).

Alter Hydrology from Pre to Post-Development Conditions - means the post-development peak flow rate(s) has increased by more than 5% of the pre-developed condition for the design storm of interest (e.g. 10 yr and 100 yr).

Combined Sewer - means a sewer that is designed to collect and convey both “sewage” and “stormwater”.

Commence (Commencement of) Construction Activities - means the initial disturbance of soils associated with clearing, grading or excavation activities; or other construction related activities that disturb or expose soils such as demolition, stockpiling of fill material, and the initial installation of erosion and sediment control practices required in the SWPPP. See definition for “*Construction Activity(ies)*” also.

Construction Activity(ies) - means any clearing, grading, excavation, filling, demolition or stockpiling activities that result in soil disturbance. Clearing activities can include, but are not limited to, logging equipment operation, the cutting and skidding of trees, stump removal and/or brush root removal. Construction activity does not include routine maintenance that is performed to maintain the original line and grade, hydraulic capacity, or original purpose of a facility.

Construction Site – means the land area where *construction activity(ies)* will occur. See definition for “*Commence (Commencement of) Construction Activities*” and “*Larger Common Plan of Development or Sale*” also.

Dewatering – means the act of draining rainwater and/or groundwater from building foundations, vaults or excavations/trenches.

Direct Discharge (to a specific surface waterbody) - means that runoff flows from a *construction site* by overland flow and the first point of discharge is the specific surface waterbody, or runoff flows from a *construction site* to a separate storm sewer system

and the first point of discharge from the separate storm sewer system is the specific surface waterbody.

Discharge(s) - means any addition of any pollutant to waters of the State through an outlet or *point source*.

Embankment –means an earthen or rock slope that supports a road/highway.

Endangered or Threatened Species – see 6 NYCRR Part 182 of the Department’s rules and regulations for definition of terms and requirements.

Environmental Conservation Law (ECL) - means chapter 43-B of the Consolidated Laws of the State of New York, entitled the Environmental Conservation Law.

Equivalent (Equivalence) – means that the practice or measure meets all the performance, longevity, maintenance, and safety objectives of the technical standard and will provide an equal or greater degree of water quality protection.

Final Stabilization - means that all soil disturbance activities have ceased and a uniform, perennial vegetative cover with a density of eighty (80) percent over the entire pervious surface has been established; or other equivalent stabilization measures, such as permanent landscape mulches, rock rip-rap or washed/crushed stone have been applied on all disturbed areas that are not covered by permanent structures, concrete or pavement.

General SPDES permit - means a SPDES permit issued pursuant to 6 NYCRR Part 750-1.21 and Section 70-0117 of the ECL authorizing a category of discharges.

Groundwater(s) - means waters in the saturated zone. The saturated zone is a subsurface zone in which all the interstices are filled with water under pressure greater than that of the atmosphere. Although the zone may contain gas-filled interstices or interstices filled with fluids other than water, it is still considered saturated.

Historic Property – means any building, structure, site, object or district that is listed on the State or National Registers of Historic Places or is determined to be eligible for listing on the State or National Registers of Historic Places.

Impervious Area (Cover) - means all impermeable surfaces that cannot effectively infiltrate rainfall. This includes paved, concrete and gravel surfaces (i.e. parking lots, driveways, roads, runways and sidewalks); building rooftops and miscellaneous impermeable structures such as patios, pools, and sheds.

Infeasible – means not technologically possible, or not economically practicable and achievable in light of best industry practices.

Larger Common Plan of Development or Sale - means a contiguous area where multiple separate and distinct *construction activities* are occurring, or will occur, under one plan. The term “plan” in “larger common plan of development or sale” is broadly defined as any announcement or piece of documentation (including a sign, public notice or hearing, marketing plan, advertisement, drawing, permit application, State Environmental Quality Review Act (SEQRA) environmental assessment form or other documents, zoning request, computer design, etc.) or physical demarcation (including boundary signs, lot stakes, surveyor markings, etc.) indicating that *construction activities* may occur on a specific plot.

For discrete construction projects that are located within a larger common plan of development or sale that are at least 1/4 mile apart, each project can be treated as a separate plan of development or sale provided any interconnecting road, pipeline or utility project that is part of the same “common plan” is not concurrently being disturbed.

Minimize – means reduce and/or eliminate to the extent achievable using control measures (including best management practices) that are technologically available and economically practicable and achievable in light of best industry practices.

Municipal Separate Storm Sewer (MS4) - a conveyance or system of conveyances (including roads with drainage systems, municipal streets, catch basins, curbs, gutters, ditches, man-made channels, or storm drains):

- (i) Owned or operated by a State, city, town, borough, county, parish, district, association, or other public body (created by or pursuant to State law) having jurisdiction over disposal of sewage, industrial wastes, stormwater, or other wastes, including special districts under State law such as a sewer district, flood control district or drainage district, or similar entity, or an Indian tribe or an authorized Indian tribal organization, or a designated and approved management agency under section 208 of the CWA that discharges to surface waters of the State;
- (ii) Designed or used for collecting or conveying stormwater;
- (iii) Which is not a *combined sewer*, and
- (iv) Which is not part of a Publicly Owned Treatment Works (POTW) as defined at 40 CFR 122.2.

National Pollutant Discharge Elimination System (NPDES) - means the national system for the issuance of wastewater and stormwater permits under the Federal Water Pollution Control Act (Clean Water Act).

Natural Buffer –means an undisturbed area with natural cover running along a surface water (e.g. wetland, stream, river, lake, etc.).

New Development – means any land disturbance that does not meet the definition of Redevelopment Activity included in this appendix.

New York State Erosion and Sediment Control Certificate Program – a certificate program that establishes and maintains a process to identify and recognize individuals who are capable of developing, designing, inspecting and maintaining erosion and sediment control plans on projects that disturb soils in New York State. The certificate program is administered by the New York State Conservation District Employees Association.

NOI Acknowledgment Letter - means the letter that the Department sends to an owner or operator to acknowledge the Department's receipt and acceptance of a complete Notice of Intent. This letter documents the owner's or operator's authorization to discharge in accordance with the general permit for stormwater discharges from *construction activity*.

Nonpoint Source - means any source of water pollution or pollutants which is not a discrete conveyance or *point source* permitted pursuant to Title 7 or 8 of Article 17 of the Environmental Conservation Law (see ECL Section 17-1403).

Overbank –means flow events that exceed the capacity of the stream channel and spill out into the adjacent floodplain.

Owner or Operator - means the person, persons or legal entity which owns or leases the property on which the *construction activity* is occurring; an entity that has operational control over the construction plans and specifications, including the ability to make modifications to the plans and specifications; and/or an entity that has day-to-day operational control of those activities at a project that are necessary to ensure compliance with the permit conditions.

Performance Criteria – means the design criteria listed under the “Required Elements” sections in Chapters 5, 6 and 10 of the technical standard, New York State Stormwater Management Design Manual, dated January 2015. It does not include the Sizing Criteria (i.e. WQv, RRv, Cpv, Qp and Qf) in Part I.C.2. of the permit.

Point Source - means any discernible, confined and discrete conveyance, including but not limited to any pipe, ditch, channel, tunnel, conduit, well, discrete fissure, container, rolling stock, concentrated animal feeding operation, vessel or other floating craft, or landfill leachate collection system from which *pollutants* are or may be discharged.

Pollutant - means dredged spoil, filter backwash, solid waste, incinerator residue, sewage, garbage, sewage sludge, munitions, chemical wastes, biological materials, radioactive materials, heat, wrecked or discarded equipment, rock, sand and industrial, municipal, agricultural waste and ballast discharged into water; which may cause or might reasonably be expected to cause pollution of the waters of the state in contravention of the standards or guidance values adopted as provided in 6 NYCRR Parts 700 et seq .

Qualified Inspector - means a person that is knowledgeable in the principles and practices of erosion and sediment control, such as a licensed Professional Engineer, Certified Professional in Erosion and Sediment Control (CPESC), Registered Landscape Architect, New York State Erosion and Sediment Control Certificate Program holder or other Department endorsed individual(s).

It can also mean someone working under the direct supervision of, and at the same company as, the licensed Professional Engineer or Registered Landscape Architect, provided that person has training in the principles and practices of erosion and sediment control. Training in the principles and practices of erosion and sediment control means that the individual working under the direct supervision of the licensed Professional Engineer or Registered Landscape Architect has received four (4) hours of Department endorsed training in proper erosion and sediment control principles from a Soil and Water Conservation District, or other Department endorsed entity. After receiving the initial training, the individual working under the direct supervision of the licensed Professional Engineer or Registered Landscape Architect shall receive four (4) hours of training every three (3) years.

It can also mean a person that meets the *Qualified Professional* qualifications in addition to the *Qualified Inspector* qualifications.

Note: Inspections of any post-construction stormwater management practices that include structural components, such as a dam for an impoundment, shall be performed by a licensed Professional Engineer.

Qualified Professional - means a person that is knowledgeable in the principles and practices of stormwater management and treatment, such as a licensed Professional Engineer, Registered Landscape Architect or other Department endorsed individual(s). Individuals preparing SWPPPs that require the post-construction stormwater management practice component must have an understanding of the principles of hydrology, water quality management practice design, water quantity control design, and, in many cases, the principles of hydraulics. All components of the SWPPP that involve the practice of engineering, as defined by the NYS Education Law (see Article 145), shall be prepared by, or under the direct supervision of, a professional engineer licensed to practice in the State of New York.

Redevelopment Activity(ies) – means the disturbance and reconstruction of existing impervious area, including impervious areas that were removed from a project site within five (5) years of preliminary project plan submission to the local government (i.e. site plan, subdivision, etc.).

Regulated, Traditional Land Use Control MS4 - means a city, town or village with land use control authority that is authorized to discharge under New York State DEC's

SPDES General Permit For Stormwater Discharges from Municipal Separate Stormwater Sewer Systems (MS4s) or the City of New York's Individual SPDES Permit for their Municipal Separate Storm Sewer Systems (NY-0287890).

Routine Maintenance Activity - means *construction activity* that is performed to maintain the original line and grade, hydraulic capacity, or original purpose of a facility, including, but not limited to:

- Re-grading of gravel roads or parking lots,
- Cleaning and shaping of existing roadside ditches and culverts that maintains the approximate original line and grade, and hydraulic capacity of the ditch,
- Cleaning and shaping of existing roadside ditches that does not maintain the approximate original grade, hydraulic capacity and purpose of the ditch if the changes to the line and grade, hydraulic capacity or purpose of the ditch are installed to improve water quality and quantity controls (e.g. installing grass lined ditch),
- Placement of aggregate shoulder backing that stabilizes the transition between the road shoulder and the ditch or *embankment*,
- Full depth milling and filling of existing asphalt pavements, replacement of concrete pavement slabs, and similar work that does not expose soil or disturb the bottom six (6) inches of subbase material,
- Long-term use of equipment storage areas at or near highway maintenance facilities,
- Removal of sediment from the edge of the highway to restore a previously existing sheet-flow drainage connection from the highway surface to the highway ditch or *embankment*,
- Existing use of Canal Corp owned upland disposal sites for the canal, and
- Replacement of curbs, gutters, sidewalks and guide rail posts.

Site limitations – means site conditions that prevent the use of an infiltration technique and or infiltration of the total WQv. Typical site limitations include: seasonal high groundwater, shallow depth to bedrock, and soils with an infiltration rate less than 0.5 inches/hour. The existence of site limitations shall be confirmed and documented using actual field testing (i.e. test pits, soil borings, and infiltration test) or using information from the most current United States Department of Agriculture (USDA) Soil Survey for the County where the project is located.

Sizing Criteria – means the criteria included in Part I.C.2 of the permit that are used to size post-construction stormwater management control practices. The criteria include; Water Quality Volume (WQv), Runoff Reduction Volume (RRv), Channel Protection Volume (Cpv), *Overbank Flood* (Qp), and *Extreme Flood* (Qf).

State Pollutant Discharge Elimination System (SPDES) - means the system established pursuant to Article 17 of the ECL and 6 NYCRR Part 750 for issuance of permits authorizing discharges to the waters of the state.

Steep Slope – means land area designated on the current United States Department of Agriculture (“USDA”) Soil Survey as Soil Slope Phase “D”, (provided the map unit name is inclusive of slopes greater than 25%) , or Soil Slope Phase E or F, (regardless of the map unit name), or a combination of the three designations.

Streambank – as used in this permit, means the terrain alongside the bed of a creek or stream. The bank consists of the sides of the channel, between which the flow is confined.

Stormwater Pollution Prevention Plan (SWPPP) – means a project specific report, including construction drawings, that among other things: describes the construction activity(ies), identifies the potential sources of pollution at the *construction site*; describes and shows the stormwater controls that will be used to control the pollutants (i.e. erosion and sediment controls; for many projects, includes post-construction stormwater management controls); and identifies procedures the *owner or operator* will implement to comply with the terms and conditions of the permit. See Part III of the permit for a complete description of the information that must be included in the SWPPP.

Surface Waters of the State - shall be construed to include lakes, bays, sounds, ponds, impounding reservoirs, springs, rivers, streams, creeks, estuaries, marshes, inlets, canals, the Atlantic ocean within the territorial seas of the state of New York and all other bodies of surface water, natural or artificial, inland or coastal, fresh or salt, public or private (except those private waters that do not combine or effect a junction with natural surface waters), which are wholly or partially within or bordering the state or within its jurisdiction. Waters of the state are further defined in 6 NYCRR Parts 800 to 941.

Temporarily Ceased – means that an existing disturbed area will not be disturbed again within 14 calendar days of the previous soil disturbance.

Temporary Stabilization - means that exposed soil has been covered with material(s) as set forth in the technical standard, New York Standards and Specifications for Erosion and Sediment Control, to prevent the exposed soil from eroding. The materials can include, but are not limited to, mulch, seed and mulch, and erosion control mats (e.g. jute twisted yarn, excelsior wood fiber mats).

Total Maximum Daily Loads (TMDLs) - A TMDL is the sum of the allowable loads of a single pollutant from all contributing point and *nonpoint sources*. It is a calculation of the maximum amount of a pollutant that a waterbody can receive on a daily basis and still meet *water quality standards*, and an allocation of that amount to the pollutant's sources. A TMDL stipulates wasteload allocations (WLAs) for *point source* discharges, load allocations (LAs) for *nonpoint sources*, and a margin of safety (MOS).

Trained Contractor - means an employee from the contracting (construction) company, identified in Part III.A.6., that has received four (4) hours of Department endorsed

training in proper erosion and sediment control principles from a Soil and Water Conservation District, or other Department endorsed entity. After receiving the initial training, the *trained contractor* shall receive four (4) hours of training every three (3) years.

It can also mean an employee from the contracting (construction) company, identified in Part III.A.6., that meets the *qualified inspector* qualifications (e.g. licensed Professional Engineer, Certified Professional in Erosion and Sediment Control (CPESC), Registered Landscape Architect, New York State Erosion and Sediment Control Certificate Program holder, or someone working under the direct supervision of, and at the same company as, the licensed Professional Engineer or Registered Landscape Architect, provided they have received four (4) hours of Department endorsed training in proper erosion and sediment control principles from a Soil and Water Conservation District, or other Department endorsed entity).

The *trained contractor* is responsible for the day to day implementation of the SWPPP.

Uniform Procedures Act (UPA) Permit - means a permit required under 6 NYCRR Part 621 of the Environmental Conservation Law (ECL), Article 70.

Water Quality Standard - means such measures of purity or quality for any waters in relation to their reasonable and necessary use as promulgated in 6 NYCRR Part 700 et seq.

APPENDIX B – Required SWPPP Components by Project Type

Table 1
Construction Activities that Require the Preparation of a SWPPP That Only Includes Erosion and Sediment Controls

<p>The following construction activities that involve soil disturbances of one (1) or more acres of land, but less than five (5) acres:</p> <ul style="list-style-type: none">• Single family home <u>not</u> located in one of the watersheds listed in Appendix C or <u>not directly discharging</u> to one of the 303(d) segments listed in Appendix E• Single family residential subdivisions with 25% or less impervious cover at total site build-out and <u>not</u> located in one of the watersheds listed in Appendix C and <u>not</u> directly discharging to one of the 303(d) segments listed in Appendix E• Construction of a barn or other <i>agricultural building</i>, silo, stock yard or pen.
<p>The following construction activities that involve soil disturbances between five thousand (5000) square feet and one (1) acre of land:</p> <p>All construction activities located in the watersheds identified in Appendix D that involve soil disturbances between five thousand (5,000) square feet and one (1) acre of land.</p>
<p>The following construction activities that involve soil disturbances of one (1) or more acres of land:</p> <ul style="list-style-type: none">• Installation of underground, linear utilities; such as gas lines, fiber-optic cable, cable TV, electric, telephone, sewer mains, and water mains• Environmental enhancement projects, such as wetland mitigation projects, stormwater retrofits and stream restoration projects• Pond construction• Linear bike paths running through areas with vegetative cover, including bike paths surfaced with an impervious cover• Cross-country ski trails and walking/hiking trails• Sidewalk, bike path or walking path projects, surfaced with an impervious cover, that are not part of residential, commercial or institutional development;• Sidewalk, bike path or walking path projects, surfaced with an impervious cover, that include incidental shoulder or curb work along an existing highway to support construction of the sidewalk, bike path or walking path.• Slope stabilization projects• Slope flattening that changes the grade of the site, but does not significantly change the runoff characteristics

Table 1 (Continued) CONSTRUCTION ACTIVITIES THAT REQUIRE THE PREPARATION OF A SWPPP THAT ONLY INCLUDES EROSION AND SEDIMENT CONTROLS

The following construction activities that involve soil disturbances of one (1) or more acres of land:

- Spoil areas that will be covered with vegetation
- Vegetated open space projects (i.e. recreational parks, lawns, meadows, fields, downhill ski trails) excluding projects that *alter hydrology from pre to post development* conditions,
- Athletic fields (natural grass) that do not include the construction or reconstruction of *impervious area* and do not *alter hydrology from pre to post development* conditions
- Demolition project where vegetation will be established, and no redevelopment is planned
- Overhead electric transmission line project that does not include the construction of permanent access roads or parking areas surfaced with *impervious cover*
- Structural practices as identified in Table II in the “Agricultural Management Practices Catalog for Nonpoint Source Pollution in New York State”, excluding projects that involve soil disturbances of greater than five acres and construction activities that include the construction or reconstruction of impervious area
- Temporary access roads, median crossovers, detour roads, lanes, or other temporary impervious areas that will be restored to pre-construction conditions once the construction activity is complete

Table 2
CONSTRUCTION ACTIVITIES THAT REQUIRE THE PREPARATION OF A SWPPP THAT INCLUDES
POST-CONSTRUCTION STORMWATER MANAGEMENT PRACTICES

The following construction activities that involve soil disturbances of one (1) or more acres of land:

- Single family home located in one of the watersheds listed in Appendix C or *directly discharging* to one of the 303(d) segments listed in Appendix E
- Single family home that disturbs five (5) or more acres of land
- Single family residential subdivisions located in one of the watersheds listed in Appendix C or *directly discharging* to one of the 303(d) segments listed in Appendix E
- Single family residential subdivisions that involve soil disturbances of between one (1) and five (5) acres of land with greater than 25% impervious cover at total site build-out
- Single family residential subdivisions that involve soil disturbances of five (5) or more acres of land, and single family residential subdivisions that involve soil disturbances of less than five (5) acres that are part of a larger common plan of development or sale that will ultimately disturb five or more acres of land
- Multi-family residential developments; includes duplexes, townhomes, condominiums, senior housing complexes, apartment complexes, and mobile home parks
- Airports
- Amusement parks
- Breweries, cideries, and wineries, including establishments constructed on agricultural land
- Campgrounds
- Cemeteries that include the construction or reconstruction of impervious area (>5% of disturbed area) or *alter the hydrology from pre to post development* conditions
- Commercial developments
- Churches and other places of worship
- Construction of a barn or other *agricultural building* (e.g. silo) and structural practices as identified in Table II in the "Agricultural Management Practices Catalog for Nonpoint Source Pollution in New York State" that include the construction or reconstruction of *impervious area*, excluding projects that involve soil disturbances of less than five acres.
- Golf courses
- Institutional development; includes hospitals, prisons, schools and colleges
- Industrial facilities; includes industrial parks
- Landfills
- Municipal facilities; includes highway garages, transfer stations, office buildings, POTW's, water treatment plants, and water storage tanks
- Office complexes
- Playgrounds that include the construction or reconstruction of impervious area
- Sports complexes
- Racetracks; includes racetracks with earthen (dirt) surface
- Road construction or reconstruction, including roads constructed as part of the construction activities listed in Table 1

Table 2 (Continued)

CONSTRUCTION ACTIVITIES THAT REQUIRE THE PREPARATION OF A SWPPP THAT INCLUDES POST-CONSTRUCTION STORMWATER MANAGEMENT PRACTICES

The following construction activities that involve soil disturbances of one (1) or more acres of land:

- Parking lot construction or reconstruction, including parking lots constructed as part of the construction activities listed in Table 1
- Athletic fields (natural grass) that include the construction or reconstruction of impervious area (>5% of disturbed area) or *alter the hydrology from pre to post development* conditions
- Athletic fields with artificial turf
- Permanent access roads, parking areas, substations, compressor stations and well drilling pads, surfaced with *impervious cover*, and constructed as part of an over-head electric transmission line project, wind-power project, cell tower project, oil or gas well drilling project, sewer or water main project or other linear utility project
- Sidewalk, bike path or walking path projects, surfaced with an impervious cover, that are part of a residential, commercial or institutional development
- Sidewalk, bike path or walking path projects, surfaced with an impervious cover, that are part of a highway construction or reconstruction project
- All other construction activities that include the construction or reconstruction of *impervious area* or *alter the hydrology from pre to post development* conditions, and are not listed in Table 1

APPENDIX C – Watersheds Requiring Enhanced Phosphorus Removal

Watersheds where *owners or operators* of construction activities identified in Table 2 of Appendix B must prepare a SWPPP that includes post-construction stormwater management practices designed in conformance with the Enhanced Phosphorus Removal Standards included in the technical standard, New York State Stormwater Management Design Manual (“Design Manual”).

- Entire New York City Watershed located east of the Hudson River - Figure 1
- Onondaga Lake Watershed - Figure 2
- Greenwood Lake Watershed -Figure 3
- Oscawana Lake Watershed – Figure 4
- Kinderhook Lake Watershed – Figure 5

Figure 1 - New York City Watershed East of the Hudson

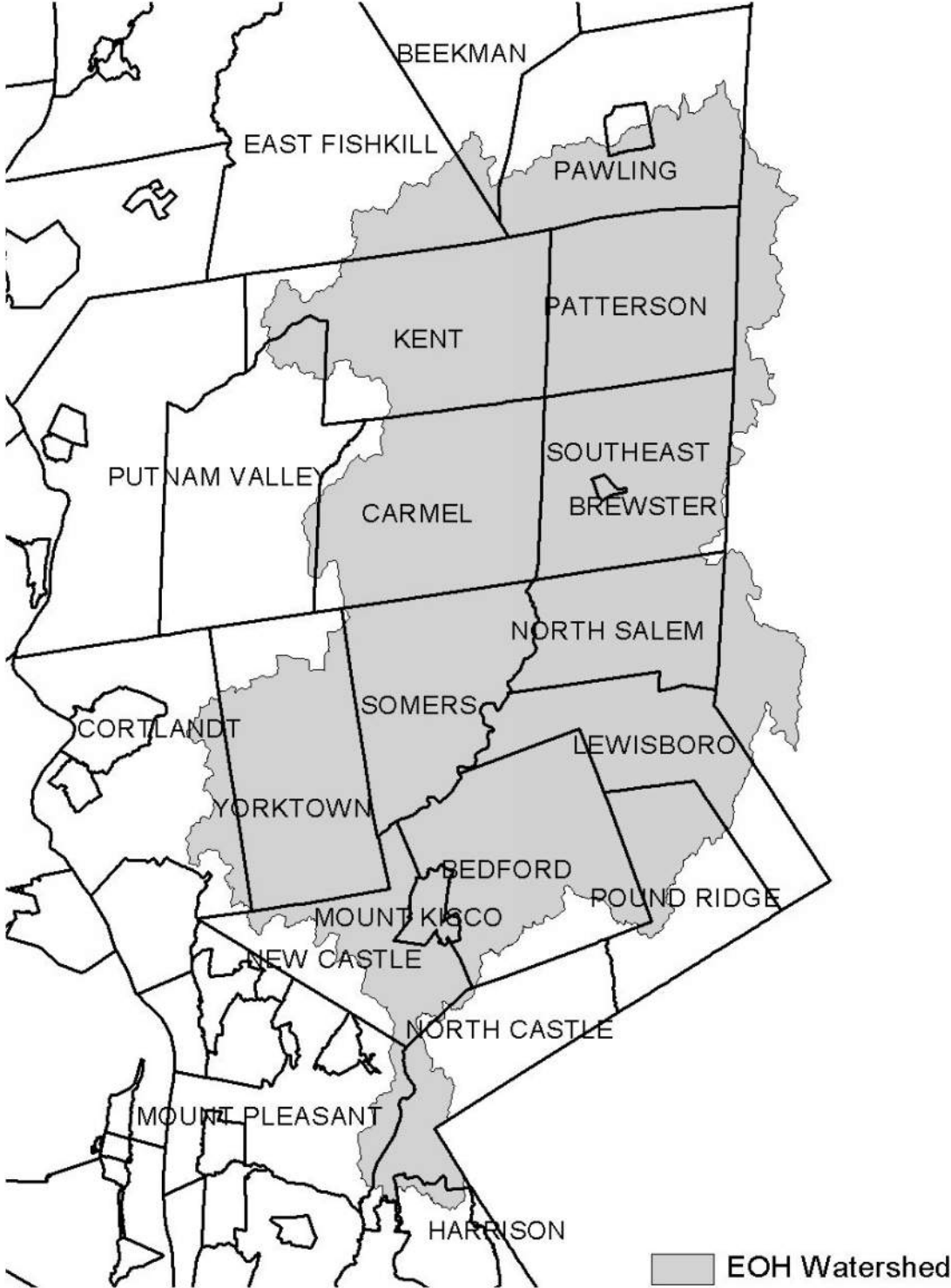


Figure 2 - Onondaga Lake Watershed



Figure 3 - Greenwood Lake Watershed



Figure 4 - Oscawana Lake Watershed

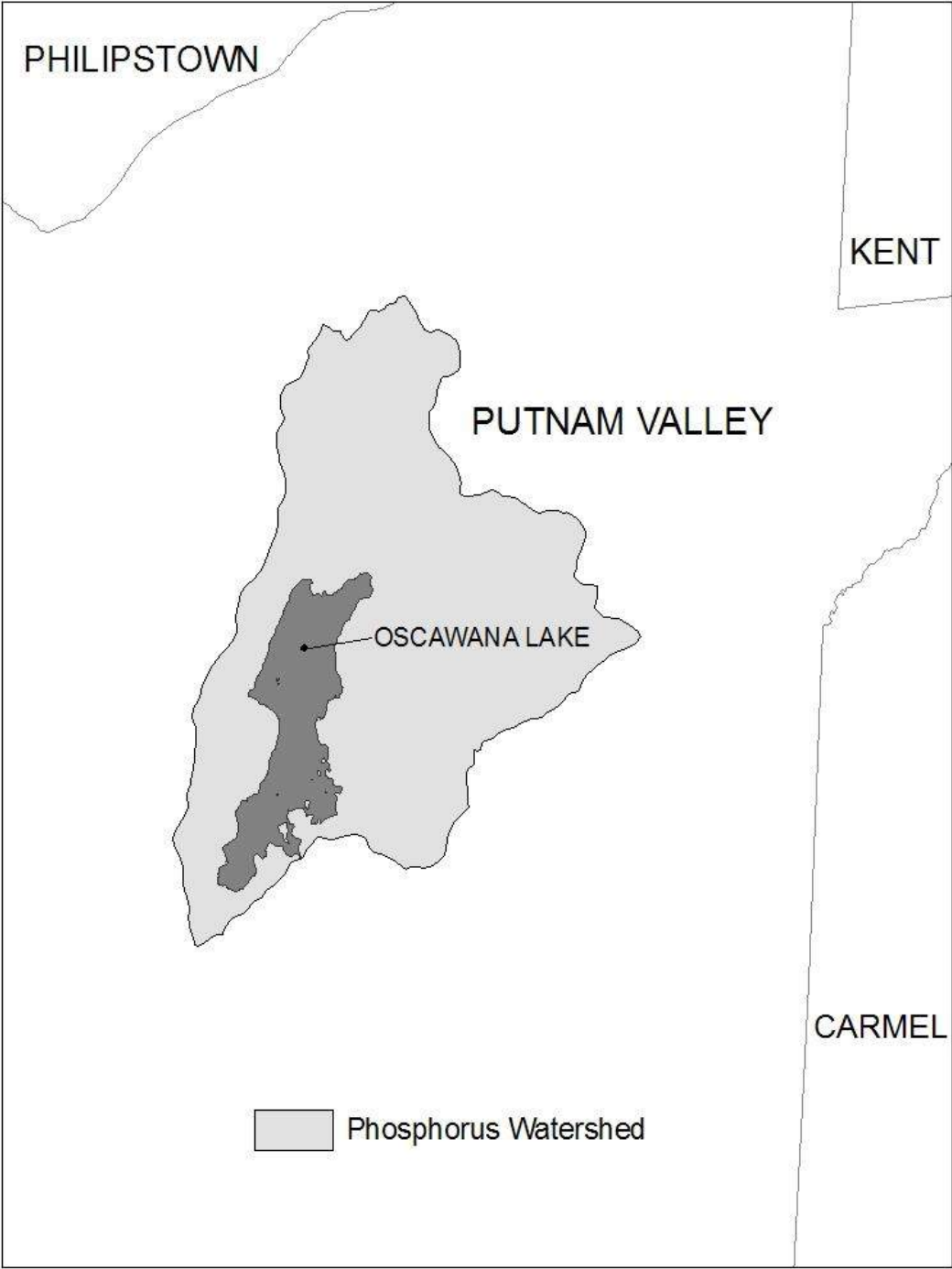
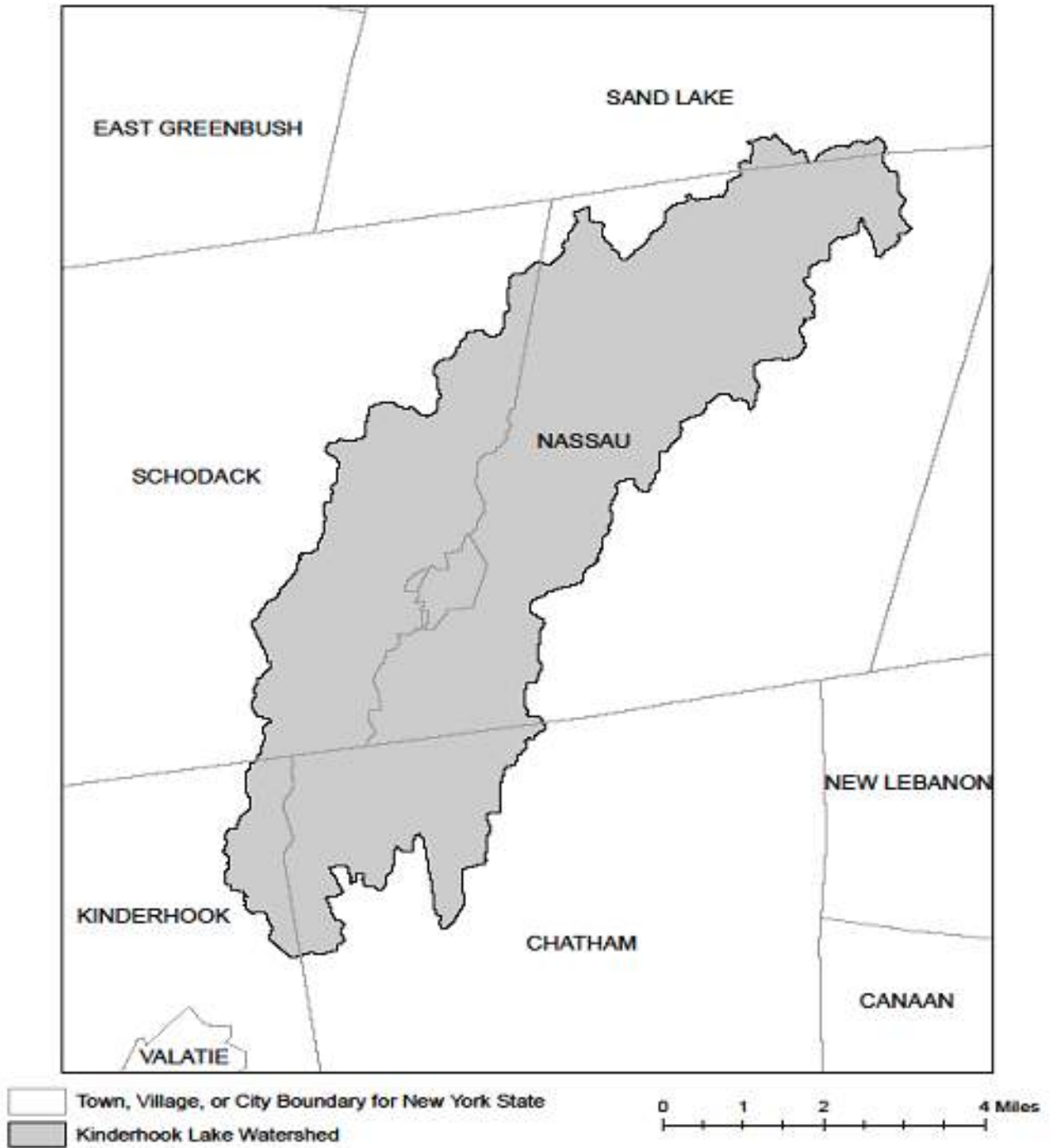


Figure 5 - Kinderhook Lake Watershed



APPENDIX D – Watersheds with Lower Disturbance Threshold

Watersheds where *owners or operators* of construction activities that involve soil disturbances between five thousand (5000) square feet and one (1) acre of land must obtain coverage under this permit.

Entire New York City Watershed that is located east of the Hudson River - See Figure 1 in Appendix C

APPENDIX E – 303(d) Segments Impaired by Construction Related Pollutant(s)

List of 303(d) segments impaired by pollutants related to *construction activity* (e.g. silt, sediment or nutrients). The list was developed using "The Final New York State 2016 Section 303(d) List of Impaired Waters Requiring a TMDL/Other Strategy" dated November 2016. *Owners or operators* of single family home and single family residential subdivisions with 25% or less total impervious cover at total site build-out that involve soil disturbances of one or more acres of land, but less than 5 acres, and *directly discharge* to one of the listed segments below shall prepare a SWPPP that includes post-construction stormwater management practices designed in conformance with the New York State Stormwater Management Design Manual ("Design Manual"), dated January 2015.

COUNTY	WATERBODY	POLLUTANT
Albany	Ann Lee (Shakers) Pond, Stump Pond	Nutrients
Albany	Basic Creek Reservoir	Nutrients
Allegany	Amity Lake, Saunders Pond	Nutrients
Bronx	Long Island Sound, Bronx	Nutrients
Bronx	Van Cortlandt Lake	Nutrients
Broome	Fly Pond, Deer Lake, Sky Lake	Nutrients
Broome	Minor Tribs to Lower Susquehanna (north)	Nutrients
Broome	Whitney Point Lake/Reservoir	Nutrients
Cattaraugus	Allegheny River/Reservoir	Nutrients
Cattaraugus	Beaver (Alma) Lake	Nutrients
Cattaraugus	Case Lake	Nutrients
Cattaraugus	Linlyco/Club Pond	Nutrients
Cayuga	Duck Lake	Nutrients
Cayuga	Little Sodus Bay	Nutrients
Chautauqua	Bear Lake	Nutrients
Chautauqua	Chadakoin River and tribs	Nutrients
Chautauqua	Chautauqua Lake, North	Nutrients
Chautauqua	Chautauqua Lake, South	Nutrients
Chautauqua	Findley Lake	Nutrients
Chautauqua	Hulburt/Clymer Pond	Nutrients
Clinton	Great Chazy River, Lower, Main Stem	Silt/Sediment
Clinton	Lake Champlain, Main Lake, Middle	Nutrients
Clinton	Lake Champlain, Main Lake, North	Nutrients
Columbia	Kinderhook Lake	Nutrients
Columbia	Robinson Pond	Nutrients
Cortland	Dean Pond	Nutrients

303(d) Segments Impaired by Construction Related Pollutant(s)

Dutchess	Fall Kill and tribs	Nutrients
Dutchess	Hillside Lake	Nutrients
Dutchess	Wappingers Lake	Nutrients
Dutchess	Wappingers Lake	Silt/Sediment
Erie	Beeman Creek and tribs	Nutrients
Erie	Ellicott Creek, Lower, and tribs	Silt/Sediment
Erie	Ellicott Creek, Lower, and tribs	Nutrients
Erie	Green Lake	Nutrients
Erie	Little Sister Creek, Lower, and tribs	Nutrients
Erie	Murder Creek, Lower, and tribs	Nutrients
Erie	Rush Creek and tribs	Nutrients
Erie	Scajaquada Creek, Lower, and tribs	Nutrients
Erie	Scajaquada Creek, Middle, and tribs	Nutrients
Erie	Scajaquada Creek, Upper, and tribs	Nutrients
Erie	South Branch Smoke Cr, Lower, and tribs	Silt/Sediment
Erie	South Branch Smoke Cr, Lower, and tribs	Nutrients
Essex	Lake Champlain, Main Lake, South	Nutrients
Essex	Lake Champlain, South Lake	Nutrients
Essex	Willsboro Bay	Nutrients
Genesee	Bigelow Creek and tribs	Nutrients
Genesee	Black Creek, Middle, and minor tribs	Nutrients
Genesee	Black Creek, Upper, and minor tribs	Nutrients
Genesee	Bowen Brook and tribs	Nutrients
Genesee	LeRoy Reservoir	Nutrients
Genesee	Oak Orchard Cr, Upper, and tribs	Nutrients
Genesee	Tonawanda Creek, Middle, Main Stem	Nutrients
Greene	Schoharie Reservoir	Silt/Sediment
Greene	Sleepy Hollow Lake	Silt/Sediment
Herkimer	Steele Creek tribs	Silt/Sediment
Herkimer	Steele Creek tribs	Nutrients
Jefferson	Moon Lake	Nutrients
Kings	Hendrix Creek	Nutrients
Kings	Prospect Park Lake	Nutrients
Lewis	Mill Creek/South Branch, and tribs	Nutrients
Livingston	Christie Creek and tribs	Nutrients
Livingston	Conesus Lake	Nutrients
Livingston	Mill Creek and minor tribs	Silt/Sediment
Monroe	Black Creek, Lower, and minor tribs	Nutrients
Monroe	Buck Pond	Nutrients
Monroe	Cranberry Pond	Nutrients

303(d) Segments Impaired by Construction Related Pollutant(s)

Monroe	Lake Ontario Shoreline, Western	Nutrients
Monroe	Long Pond	Nutrients
Monroe	Mill Creek and tribs	Nutrients
Monroe	Mill Creek/Blue Pond Outlet and tribs	Nutrients
Monroe	Minor Tribs to Irondequoit Bay	Nutrients
Monroe	Rochester Embayment - East	Nutrients
Monroe	Rochester Embayment - West	Nutrients
Monroe	Shipbuilders Creek and tribs	Nutrients
Monroe	Thomas Creek/White Brook and tribs	Nutrients
Nassau	Beaver Lake	Nutrients
Nassau	Camaans Pond	Nutrients
Nassau	East Meadow Brook, Upper, and tribs	Silt/Sediment
Nassau	East Rockaway Channel	Nutrients
Nassau	Grant Park Pond	Nutrients
Nassau	Hempstead Bay	Nutrients
Nassau	Hempstead Lake	Nutrients
Nassau	Hewlett Bay	Nutrients
Nassau	Hog Island Channel	Nutrients
Nassau	Long Island Sound, Nassau County Waters	Nutrients
Nassau	Massapequa Creek and tribs	Nutrients
Nassau	Milburn/Parsonage Creeks, Upp, and tribs	Nutrients
Nassau	Reynolds Channel, west	Nutrients
Nassau	Tidal Tribs to Hempstead Bay	Nutrients
Nassau	Tribs (fresh) to East Bay	Nutrients
Nassau	Tribs (fresh) to East Bay	Silt/Sediment
Nassau	Tribs to Smith/Halls Ponds	Nutrients
Nassau	Woodmere Channel	Nutrients
New York	Harlem Meer	Nutrients
New York	The Lake in Central Park	Nutrients
Niagara	Bergholtz Creek and tribs	Nutrients
Niagara	Hyde Park Lake	Nutrients
Niagara	Lake Ontario Shoreline, Western	Nutrients
Niagara	Lake Ontario Shoreline, Western	Nutrients
Oneida	Ballou, Nail Creeks and tribs	Nutrients
Onondaga	Harbor Brook, Lower, and tribs	Nutrients
Onondaga	Ley Creek and tribs	Nutrients
Onondaga	Minor Tribs to Onondaga Lake	Nutrients
Onondaga	Ninemile Creek, Lower, and tribs	Nutrients
Onondaga	Onondaga Creek, Lower, and tribs	Nutrients
Onondaga	Onondaga Creek, Middle, and tribs	Nutrients

303(d) Segments Impaired by Construction Related Pollutant(s)

Onondaga	Onondaga Lake, northern end	Nutrients
Onondaga	Onondaga Lake, southern end	Nutrients
Ontario	Great Brook and minor tribs	Silt/Sediment
Ontario	Great Brook and minor tribs	Nutrients
Ontario	Hemlock Lake Outlet and minor tribs	Nutrients
Ontario	Honeoye Lake	Nutrients
Orange	Greenwood Lake	Nutrients
Orange	Monhagen Brook and tribs	Nutrients
Orange	Orange Lake	Nutrients
Orleans	Lake Ontario Shoreline, Western	Nutrients
Orleans	Lake Ontario Shoreline, Western	Nutrients
Oswego	Lake Neatahwanta	Nutrients
Oswego	Pleasant Lake	Nutrients
Putnam	Bog Brook Reservoir	Nutrients
Putnam	Boyd Corners Reservoir	Nutrients
Putnam	Croton Falls Reservoir	Nutrients
Putnam	Diverting Reservoir	Nutrients
Putnam	East Branch Reservoir	Nutrients
Putnam	Lake Carmel	Nutrients
Putnam	Middle Branch Reservoir	Nutrients
Putnam	Oscawana Lake	Nutrients
Putnam	Palmer Lake	Nutrients
Putnam	West Branch Reservoir	Nutrients
Queens	Bergen Basin	Nutrients
Queens	Flushing Creek/Bay	Nutrients
Queens	Jamaica Bay, Eastern, and tribs (Queens)	Nutrients
Queens	Kissena Lake	Nutrients
Queens	Meadow Lake	Nutrients
Queens	Willow Lake	Nutrients
Rensselaer	Nassau Lake	Nutrients
Rensselaer	Snyders Lake	Nutrients
Richmond	Grasmere Lake/Bradys Pond	Nutrients
Rockland	Congers Lake, Swartout Lake	Nutrients
Rockland	Rockland Lake	Nutrients
Saratoga	Ballston Lake	Nutrients
Saratoga	Dwaas Kill and tribs	Silt/Sediment
Saratoga	Dwaas Kill and tribs	Nutrients
Saratoga	Lake Lonely	Nutrients
Saratoga	Round Lake	Nutrients
Saratoga	Tribs to Lake Lonely	Nutrients

303(d) Segments Impaired by Construction Related Pollutant(s)

Schenectady	Collins Lake	Nutrients
Schenectady	Duane Lake	Nutrients
Schenectady	Mariaville Lake	Nutrients
Schoharie	Engleville Pond	Nutrients
Schoharie	Summit Lake	Nutrients
Seneca	Reeder Creek and tribs	Nutrients
St.Lawrence	Black Lake Outlet/Black Lake	Nutrients
St.Lawrence	Fish Creek and minor tribs	Nutrients
Steuben	Smith Pond	Nutrients
Suffolk	Agawam Lake	Nutrients
Suffolk	Big/Little Fresh Ponds	Nutrients
Suffolk	Canaan Lake	Silt/Sediment
Suffolk	Canaan Lake	Nutrients
Suffolk	Flanders Bay, West/Lower Sawmill Creek	Nutrients
Suffolk	Fresh Pond	Nutrients
Suffolk	Great South Bay, East	Nutrients
Suffolk	Great South Bay, Middle	Nutrients
Suffolk	Great South Bay, West	Nutrients
Suffolk	Lake Ronkonkoma	Nutrients
Suffolk	Long Island Sound, Suffolk County, West	Nutrients
Suffolk	Mattituck (Marratooka) Pond	Nutrients
Suffolk	Meetinghouse/Terrys Creeks and tribs	Nutrients
Suffolk	Mill and Seven Ponds	Nutrients
Suffolk	Millers Pond	Nutrients
Suffolk	Moriches Bay, East	Nutrients
Suffolk	Moriches Bay, West	Nutrients
Suffolk	Peconic River, Lower, and tidal tribs	Nutrients
Suffolk	Quantuck Bay	Nutrients
Suffolk	Shinnecock Bay and Inlet	Nutrients
Suffolk	Tidal tribs to West Moriches Bay	Nutrients
Sullivan	Bodine, Montgomery Lakes	Nutrients
Sullivan	Davies Lake	Nutrients
Sullivan	Evens Lake	Nutrients
Sullivan	Pleasure Lake	Nutrients
Tompkins	Cayuga Lake, Southern End	Nutrients
Tompkins	Cayuga Lake, Southern End	Silt/Sediment
Tompkins	Owasco Inlet, Upper, and tribs	Nutrients
Ulster	Ashokan Reservoir	Silt/Sediment
Ulster	Esopus Creek, Upper, and minor tribs	Silt/Sediment
Warren	Hague Brook and tribs	Silt/Sediment

303(d) Segments Impaired by Construction Related Pollutant(s)

Warren	Huddle/Finkle Brooks and tribs	Silt/Sediment
Warren	Indian Brook and tribs	Silt/Sediment
Warren	Lake George	Silt/Sediment
Warren	Tribs to L.George, Village of L George	Silt/Sediment
Washington	Cossayuna Lake	Nutrients
Washington	Lake Champlain, South Bay	Nutrients
Washington	Tribs to L.George, East Shore	Silt/Sediment
Washington	Wood Cr/Champlain Canal and minor tribs	Nutrients
Wayne	Port Bay	Nutrients
Westchester	Amawalk Reservoir	Nutrients
Westchester	Blind Brook, Upper, and tribs	Silt/Sediment
Westchester	Cross River Reservoir	Nutrients
Westchester	Lake Katonah	Nutrients
Westchester	Lake Lincolndale	Nutrients
Westchester	Lake Meahagh	Nutrients
Westchester	Lake Mohegan	Nutrients
Westchester	Lake Shenorock	Nutrients
Westchester	Long Island Sound, Westchester (East)	Nutrients
Westchester	Mamaroneck River, Lower	Silt/Sediment
Westchester	Mamaroneck River, Upper, and minor tribs	Silt/Sediment
Westchester	Muscoot/Upper New Croton Reservoir	Nutrients
Westchester	New Croton Reservoir	Nutrients
Westchester	Peach Lake	Nutrients
Westchester	Reservoir No.1 (Lake Isle)	Nutrients
Westchester	Saw Mill River, Lower, and tribs	Nutrients
Westchester	Saw Mill River, Middle, and tribs	Nutrients
Westchester	Sheldrake River and tribs	Silt/Sediment
Westchester	Sheldrake River and tribs	Nutrients
Westchester	Silver Lake	Nutrients
Westchester	Teatown Lake	Nutrients
Westchester	Titicus Reservoir	Nutrients
Westchester	Truesdale Lake	Nutrients
Westchester	Wallace Pond	Nutrients
Wyoming	Java Lake	Nutrients
Wyoming	Silver Lake	Nutrients

APPENDIX F – List of NYS DEC Regional Offices

<u>Region</u>	<u>COVERING THE FOLLOWING COUNTIES:</u>	<u>DIVISION OF ENVIRONMENTAL PERMITS (DEP) PERMIT ADMINISTRATORS</u>	<u>DIVISION OF WATER (DOW) WATER (SPDES) PROGRAM</u>
1	NASSAU AND SUFFOLK	50 CIRCLE ROAD STONY BROOK, NY 11790 TEL. (631) 444-0365	50 CIRCLE ROAD STONY BROOK, NY 11790-3409 TEL. (631) 444-0405
2	BRONX, KINGS, NEW YORK, QUEENS AND RICHMOND	1 HUNTERS POINT PLAZA, 47-40 21ST ST. LONG ISLAND CITY, NY 11101-5407 TEL. (718) 482-4997	1 HUNTERS POINT PLAZA, 47-40 21ST ST. LONG ISLAND CITY, NY 11101-5407 TEL. (718) 482-4933
3	DUTCHESS, ORANGE, PUTNAM, ROCKLAND, SULLIVAN, ULSTER AND WESTCHESTER	21 SOUTH PUTT CORNERS ROAD NEW PALTZ, NY 12561-1696 TEL. (845) 256-3059	100 HILLSIDE AVENUE, SUITE 1W WHITE PLAINS, NY 10603 TEL. (914) 428 - 2505
4	ALBANY, COLUMBIA, DELAWARE, GREENE, MONTGOMERY, OTSEGO, RENSSELAER, SCHENECTADY AND SCHOHARIE	1150 NORTH WESTCOTT ROAD SCHENECTADY, NY 12306-2014 TEL. (518) 357-2069	1130 NORTH WESTCOTT ROAD SCHENECTADY, NY 12306-2014 TEL. (518) 357-2045
5	CLINTON, ESSEX, FRANKLIN, FULTON, HAMILTON, SARATOGA, WARREN AND WASHINGTON	1115 STATE ROUTE 86, Po Box 296 RAY BROOK, NY 12977-0296 TEL. (518) 897-1234	232 GOLF COURSE ROAD WARRENSBURG, NY 12885-1172 TEL. (518) 623-1200
6	HERKIMER, JEFFERSON, LEWIS, ONEIDA AND ST. LAWRENCE	STATE OFFICE BUILDING 317 WASHINGTON STREET WATERTOWN, NY 13601-3787 TEL. (315) 785-2245	STATE OFFICE BUILDING 207 GENESEE STREET UTICA, NY 13501-2885 TEL. (315) 793-2554
7	BROOME, CAYUGA, CHENANGO, CORTLAND, MADISON, ONONDAGA, OSWEGO, TIOGA AND TOMPKINS	615 ERIE BLVD. WEST SYRACUSE, NY 13204-2400 TEL. (315) 426-7438	615 ERIE BLVD. WEST SYRACUSE, NY 13204-2400 TEL. (315) 426-7500
8	CHEMUNG, GENESEE, LIVINGSTON, MONROE, ONTARIO, ORLEANS, SCHUYLER, SENECA, STEUBEN, WAYNE AND YATES	6274 EAST AVON-LIMA ROADAVON, NY 14414-9519 TEL. (585) 226-2466	6274 EAST AVON-LIMA RD. AVON, NY 14414-9519 TEL. (585) 226-2466
9	ALLEGANY, CATTARAUGUS, CHAUTAUQUA, ERIE, NIAGARA AND WYOMING	270 MICHIGAN AVENUE BUFFALO, NY 14203-2999 TEL. (716) 851-7165	270 MICHIGAN AVENUE BUFFALO, NY 14203-2999 TEL. (716) 851-7070

APPENDIX B:

Notice of Intent (NOI)
MS4 Acceptance Form



Department of
Environmental
Conservation

NYS Department of Environmental Conservation
Division of Water
625 Broadway, 4th Floor
Albany, New York 12233-3505

**MS4 Stormwater Pollution Prevention Plan (SWPPP) Acceptance
Form**

for

Construction Activities Seeking Authorization Under SPDES General Permit

*(NOTE: Attach Completed Form to Notice Of Intent and Submit to Address Above)

I. Project Owner/Operator Information

1. Owner/Operator Name:

2. Contact Person:

3. Street Address:

4. City/State/Zip:

II. Project Site Information

5. Project/Site Name:

6. Street Address:

7. City/State/Zip:

III. Stormwater Pollution Prevention Plan (SWPPP) Review and Acceptance Information

8. SWPPP Reviewed by:

9. Title/Position:

10. Date Final SWPPP Reviewed and Accepted:

IV. Regulated MS4 Information

11. Name of MS4:

12. MS4 SPDES Permit Identification Number: NYR20A

13. Contact Person:

14. Street Address:

15. City/State/Zip:

16. Telephone Number:

MS4 SWPPP Acceptance Form - continued

V. Certification Statement - MS4 Official (principal executive officer or ranking elected official) or Duly Authorized Representative

I hereby certify that the final Stormwater Pollution Prevention Plan (SWPPP) for the construction project identified in question 5 has been reviewed and meets the substantive requirements in the SPDES General Permit For Stormwater Discharges from Municipal Separate Storm Sewer Systems (MS4s).
Note: The MS4, through the acceptance of the SWPPP, assumes no responsibility for the accuracy and adequacy of the design included in the SWPPP. In addition, review and acceptance of the SWPPP by the MS4 does not relieve the owner/operator or their SWPPP preparer of responsibility or liability for errors or omissions in the plan.

Printed Name:

Title/Position:

Signature:

Date:

VI. Additional Information

APPENDIX C:

Contractor's Certification Form
(Sample Form)

Stormwater Pollution Prevention Plan Contractor or Subcontractor Certification Statement

Newburgh Kingdom Hall of
Jehovah’s Witnesses
33 Old Little Britain Road, Town of Newburgh, Orange County, New York

Each Contractor and Subcontractor that will be responsible for installing, constructing, repairing, inspecting and/or maintaining the erosion and sediment control practices and post-construction stormwater management control practices included in the SWPPP is required to complete and sign this Certification Statement before commencing any construction activity at the site. The completed Certification Statement(s) shall be maintained at the construction site.

Contracting Firm Information

Name: _____

Address: _____

Telephone & Fax: _____

Contractor’s Responsibilities Regarding SWPPP Implementation

Trained Individual(s) Responsible for SWPPP Implementation¹ (Provide name, title, and date of last training)

Contractor or Subcontractor Certification²

I hereby certify that I understand and agree to comply with the terms and conditions of the SWPPP and agree to implement any corrective actions identified by the qualified inspector during a site inspection. I also understand that the owner or operator must comply with the terms and conditions of the New York State Pollutant Discharge Elimination System (“SPDES”) general permit for stormwater discharges from construction activities and that it is unlawful for any person to cause or contribute to a violation of water quality standards. Furthermore, I understand that certifying false, incorrect or inaccurate information is a violation of the referenced permit and the laws of the State of New York and could subject me to criminal, civil and/or administrative proceedings.

Printed Name: _____

Title/Position: _____

Signature: _____ Date: _____

¹ A Trained Individual means an employee from a contracting (construction) firm that has received four (4) hours of training, which has been endorsed by the NYSDEC, from a Soil and Water Conservation District, CPESC, Inc. or other NYSDEC endorsed entity, in proper erosion and sediment control principles no later than two (2) years from the date GP-0-20-001 was issued. After receiving initial training, the Trained Individual shall receive four (4) hours of training every three (3) years. This individual will be responsible for implementation of the SWPPP.

² Signatory Requirements:
a. For a corporation, this form shall be signed by (i) a president, secretary, treasurer, or vice-president of the corporation in charge of a principle business function, or any other person who performs similar policy or decision-making functions for the corporation; or (ii) the manager of one or more manufacturing, production or operating facilities, provided the manager is authorized to make management decisions which govern the operation of the regulated facility including having the explicit or implicit duty of making major capital investment recommendations, and initiating and directing other comprehensive measures to assure long term environmental compliance with environmental laws and regulations; the manager can ensure that the necessary systems are established or actions taken to gather complete and accurate information for permit application requirements; and where authority to sign documents has been assigned or delegated to the manager in accordance with corporate procedures.
b. For a partnership or sole proprietorship, this form shall be signed by a general partner or the proprietor, respectively.
c. For a municipality, State, Federal, or other public agency, this form shall be signed by either a principal executive officer or ranking elected official. For purposes of this section, a principal executive officer of a Federal agency includes (i) the chief executive officer of the agency, or (ii) a senior executive officer having responsibility for the overall operations of a principal geographic unit of the agency (e.g. Regional Administrators of EPA).

APPENDIX D:

Inspection Report
(Sample Form)

Stormwater Pollution Prevention Plan Inspection Report

Newburgh Kingdom Hall of
Jehovah's Witnesses

33 Old Little Britain Road, Town of Newburgh, Orange County, New York

A Qualified Inspector¹ shall prepare an inspection report subsequent to each and every inspection, as required in Part IV.C of the SPDES General Permit GP-0-20-001. All sections of this report are to be completed.

1. Inspection Information

Inspection number: _____

Date and Time of Inspection: _____

Weather Conditions: _____

Soil Conditions (e.g. dry, wet, saturated): _____

2. Qualified Inspector Information

Printed Name: _____

Title / Position: _____

Signature: _____ Date: _____

3. On the included site plan, provide a sketch of areas that are disturbed at the time of the inspection and areas that have been stabilized (temporary and/or final) since the last inspection. Provide additional descriptions below if necessary.

¹ A Qualified Inspector means a person that is knowledgeable in the principles and practices of erosion and sediment control, such as licensed Professional Engineer, Certified Professional in Erosion and Sediment Control (CPESC), licensed Landscape Architect, or other Department endorsed individual(s). It also means someone working under the direct supervision of the licensed Professional Engineer or licensed Landscape Architect, provided that person has training in the principles and practices of erosion and sediment control. Training in the principles and practices of erosion and sediment control means that an individual performing a site inspection has received four (4) hours of training, endorsed by the Department, from a Soil and Water Conservation District, CPESC, Inc. or other Department endorsed entity in proper erosion and sediment control principles no later than two (2) years from the date GP-0-15-002 was issued. After receiving the initial training, an individual working under the direct supervision of the licensed Professional Engineer or licensed Landscape Architect shall receive four (4) hours of training every three (3) years. Note: Inspections of any post-construction stormwater management practices that include structural components, such as a dam for an impoundment, shall be performed by a licensed Professional Engineer.

4. In the following table, provide a description of the condition of the runoff at all points of discharge from the construction site, including conveyance systems (pipes, culverts, ditches, etc.) and overland flow. Identify any discharges of sediment from the construction site. Use additional sheets if necessary.

Description of Discharge Point	Condition of Runoff	Sediment Discharge Noted
		yes / no Estimated Quantity:
		yes / no Estimated Quantity:
		yes / no Estimated Quantity:
		yes / no Estimated Quantity:

5. For all discharge points where sediment discharge has been noted in the above table, provide detailed corrective actions that are required. Use additional sheets if necessary.

8. In the following table, indicate the current phase of construction of all post-construction stormwater management practices and identify all construction that is not in conformance with the SWPPP and technical standards.

SWM Practice	Current Phase of Construction	Items not in conformance with the SWPPP

9. For all post-construction stormwater management practices which are identified in the above table as including “items not in conformance with the SWPPP”, provide detailed corrective action(s) that are required to correct the deficiencies. Use additional sheets if necessary.

APPENDIX E:

Record of Stabilization and
Construction Activity Dates
(Sample Form)

Site Stabilization & Construction Activities Dates

Newburgh Kingdom Hall of
Jehovah's Witnesses
33 Old Little Britain Road, Town of Newburgh, Orange County, New York

Note: This form shall be completed by the Contractor and shall remain as part of the Stormwater Pollution Prevention Plan that is to remain at the project site for the duration of construction.

A record of dates when major grading activities occur, when construction activities temporarily or permanently cease on a portion of the site, and when stabilization measures are initiated shall be maintained until final site stabilization is achieved and the Notice of Termination is filed.

MAJOR GRADING ACTIVITIES:

Page ___ of ___

Description of Activity: _____
Contractor: _____
Location: _____
Start Date: _____ Finish Date: _____

Description of Activity: _____
Contractor: _____
Location: _____
Start Date: _____ Finish Date: _____

Description of Activity: _____
Contractor: _____
Location: _____
Start Date: _____ Finish Date: _____

Description of Activity: _____
Contractor: _____
Location: _____
Start Date: _____ Finish Date: _____

Description of Activity: _____
Contractor: _____
Location: _____
Start Date: _____ Finish Date: _____

Description of Activity: _____
Contractor: _____
Location: _____
Start Date: _____ Finish Date: _____

APPENDIX F:

Notice of Termination (NOT)
(Sample Form)



**New York State Department of Environmental Conservation
Division of Water
625 Broadway, 4th Floor
Albany, New York 12233-3505**

(NOTE: Submit completed form to address above)

**NOTICE OF TERMINATION for Storm Water Discharges Authorized
under the SPDES General Permit for Construction Activity**

Please indicate your permit identification number: NYR ____ _

I. Owner or Operator Information

1. Owner/Operator Name:

2. Street Address:

3. City/State/Zip:

4. Contact Person:

4a. Telephone:

5. Contact Person E-Mail:

II. Project Site Information

5. Project/Site Name:

6. Street Address:

7. City/Zip:

8. County:

III. Reason for Termination

9a. All disturbed areas have achieved final stabilization in accordance with the general permit and SWPPP.
*Date final stabilization completed (month/year): _____

9b. Permit coverage has been transferred to new owner/operator. Indicate new owner/operator's permit identification number: NYR ____ _
(Note: Permit coverage can not be terminated by owner identified in I.1. above until new owner/operator obtains coverage under the general permit)

9c. Other (Explain on Page 2)

IV. Final Site Information:

10a. Did this construction activity require the development of a SWPPP that includes post-construction stormwater management practices? yes no (If no, go to question 10f.)

10b. Have all post-construction stormwater management practices included in the final SWPPP been constructed? yes no (If no, explain on Page 2)

10c. Identify the entity responsible for long-term operation and maintenance of practice(s)?

**NOTICE OF TERMINATION for Storm Water Discharges Authorized under the
SPDES General Permit for Construction Activity - continued**

10d. Has the entity responsible for long-term operation and maintenance been given a copy of the operation and maintenance plan required by the general permit? yes no

10e. Indicate the method used to ensure long-term operation and maintenance of the post-construction stormwater management practice(s):

- Post-construction stormwater management practice(s) and any right-of-way(s) needed to maintain practice(s) have been deeded to the municipality.
- Executed maintenance agreement is in place with the municipality that will maintain the post-construction stormwater management practice(s).
- For post-construction stormwater management practices that are privately owned, the deed of record has been modified to include a deed covenant that requires operation and maintenance of the practice(s) in accordance with the operation and maintenance plan.
- For post-construction stormwater management practices that are owned by a public or private institution (e.g. school, college, university), or government agency or authority, policy and procedures are in place that ensures operation and maintenance of the practice(s) in accordance with the operation and maintenance plan.

10f. Provide the total area of impervious surface (i.e. roof, pavement, concrete, gravel, etc.) constructed within the disturbance area? _____ (acres)

11. Is this project subject to the requirements of a regulated, traditional land use control MS4? yes no
(If Yes, complete section VI - "MS4 Acceptance" statement)

V. Additional Information/Explanation:
(Use this section to answer questions 9c. and 10b., if applicable)

VI. MS4 Acceptance - MS4 Official (principal executive officer or ranking elected official) or Duly Authorized Representative (Note: Not required when 9b. is checked -transfer of coverage)

I have determined that it is acceptable for the owner or operator of the construction project identified in question 5 to submit the Notice of Termination at this time.

Printed Name:

Title/Position:

Signature:

Date:

**NOTICE OF TERMINATION for Storm Water Discharges Authorized under the
SPDES General Permit for Construction Activity - continued**

VII. Qualified Inspector Certification - Final Stabilization:

I hereby certify that all disturbed areas have achieved final stabilization as defined in the current version of the general permit, and that all temporary, structural erosion and sediment control measures have been removed. Furthermore, I understand that certifying false, incorrect or inaccurate information is a violation of the referenced permit and the laws of the State of New York and could subject me to criminal, civil and/or administrative proceedings.

Printed Name:

Title/Position:

Signature:

Date:

VIII. Qualified Inspector Certification - Post-construction Stormwater Management Practice(s):

I hereby certify that all post-construction stormwater management practices have been constructed in conformance with the SWPPP. Furthermore, I understand that certifying false, incorrect or inaccurate information is a violation of the referenced permit and the laws of the State of New York and could subject me to criminal, civil and/or administrative proceedings.

Printed Name:

Title/Position:

Signature:

Date:

IX. Owner or Operator Certification

I hereby certify that this document was prepared by me or under my direction or supervision. My determination, based upon my inquiry of the person(s) who managed the construction activity, or those persons directly responsible for gathering the information, is that the information provided in this document is true, accurate and complete. Furthermore, I understand that certifying false, incorrect or inaccurate information is a violation of the referenced permit and the laws of the State of New York and could subject me to criminal, civil and/or administrative proceedings.

Printed Name:

Title/Position:

Signature:

Date:

(NYS DEC Notice of Termination - January 2010)

APPENDIX G:

Geotechnical Data and Information

GIFFORD ENGINEERING
Geotechnical and Geoenvironmental Services

FINAL GEOTECHNICAL ENGINEERING REPORT
NEW JEHOVAH WITNESSES WORSHIP CENTER

located at
33 Old Little Britain Road
Newburgh, NY 12550

prepared for:
GPI Engineering
Attn: Mr. John Montagne
80 Wolf Rd, Suite 300
Albany, NY 12205

prepared by:
Gifford Engineering
Gregory P Gifford PhD PE
May 2020
File No. 1960



FINAL GEOTECHNICAL ENGINEERING REPORT

New Jehovah Witnesses Worship Center
33 Old Little Britain Road
Newburgh, NY 12550

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INTRODUCTION:

This is a report on a subsurface investigation for the proposed Jehovah's Witnesses Worship Center, at 33 Old Little Britain Rd, Town of Newburgh, NY. A total of 11 soil borings and geoprobe soundings have been completed by Martin Geo Environmental, located in Belchertown, MA. A location diagram has been prepared and is included with the boring, sounding, and well logs in the appendix. Services are outlined in my proposal dated November 6, 2019 as authorized by you.

Two buildings are planned on the site. The building construction will be slab on grade with a wood timber frame. An 18 page document entitled Structural Calculations was provided by the client and reviewed. The allowable soil bearing pressure used was 2 ksf, (1 TSF). There will be an access driveway off Old Little Britain Rd and centrally located parking lot. Two stormwater management areas are planned along with two septic systems. Two infiltration wells were installed and tested at the management areas. Results are included in the appendix. The septic system investigation and design will be performed by others.

Environmental issues are beyond the scope of this report and should be addressed by a qualified environmental firm.

This report is intended to; 1) present the findings obtained during the investigation, 2) discuss the analysis of the data gathered during the investigation, and 3) make recommendations for the design and construction of the feasible foundation systems as well as the earthwork requirements of the project.

SUBSURFACE INVESTIGATION PROCEDURES:

The borings were drilled with a track-mounted geoprobe unit advancing a 3.25-inch inside diameter hollow-stem auger. Continuous samples were obtained to 12 feet by the split-spoon sampling technique in conjunction with standard penetration testing as specified by ASTM D 1586. The number of blows required to advance the sampler two feet, in six-inch increments is recorded on the boring logs. The blow count or N value (blows per foot) is numerically equal to the summation of the middle two. The Scope of Services provided by the client indicates that a minimum of 6 borings are required unless the geotechnical engineer documents the decision to perform less. The geotechnical engineer hereby deems the use of 4 structure borings and provide additional investigation as geoprobe soundings as appropriate at this site.

The parking lot and infiltration soundings were advanced with the geoprobe unit. The lucite tube lined probe is advanced with a hammer drill operation. The tube samples are extracted then used to prepare logs of the soundings.

Samples were examined at the boring and sounding sites, sealed in jars or tubes, and transported to the laboratory. The samples were then visually classified and subjected to appropriate testing.

The water level within the borehole and sounding was measured at various times during the investigation. The depth to the water level is affected by boring and sounding procedures and may

require some period of time to equilibrate. The measurements of water level are given on the logs along with the time. All boreholes were filled with cuttings or wells were installed prior to leaving the site. There may be minor settlement of the boreholes with time, the client should repair this settlement for safety.

The site was also visited by the geotechnical engineer. The borehole locations had been assigned by the client and were laid out by the geotechnical engineer.

LABORATORY WORK:

In addition to the field identification recorded by the drillers, all samples were examined by a geotechnical engineer. The samples were visually classified using the Unified Soil Classification System as specified by ASTM D 2487. The resulting classification symbol and description are indicated on the soil boring logs. Because the visual classification technique is approximate, variations of a few percent of a particular grain size can result in an inaccurate classification. When inaccurate classification would have a large impact on the recommendations reported herein, further testing was performed or is recommended.

Grain size distribution was measured on samples of granular material by washed mechanical techniques as specified by ASTM D 421, D 422, and D 1140 and the results are included in the appendix.

SITE EVALUATION:

The site is situated to the south of Old Little Britain Rd and west of the existing Kingdom Hall of Jehovah's Witnesses facility. The site is heavily wooded with a dirt road entering the site from Old Little Britain Rd. There is a Central Hudson Gas and Electric facility situated to the south of the site and mixed use development to the west and north.

There is a relatively flat area around this dirt road, where the buildings and parking lot are to be constructed. The stormwater management areas are planned on the hillsides that slope down from this flat area. The overall change in grade across the portion of the site to be developed is estimated at 15 to 20 feet sloping generally downhill to the west, south, and east. Adequate design of drainage will be required to handle runoff.

SUBSURFACE EVALUATION:

The boring and sounding logs indicate the specific subsurface conditions at each boring and sounding location. The subsurface conditions can vary significantly between locations. To aid in the evaluation, a general description of the subsoil conditions has been prepared.

The four structure borings were drilled near the building corners as shown on the boring location diagram. The topsoil varies between 4 and 8 inches thick.

Subjacent to the topsoil is a till like soil comprised of moist to wet silt with some sand and trace gravel and clay with occasional rock fragments. This layer extends to a depth of 12 feet, where the geoprobe refused further advancement of the sampler. The driller reported that he thought this refusal was caused by very dense till rather than rock. Based on blow counts this layer is loose to very dense.

Similar soil conditions were encountered at the soundings that were advanced at the parking lot and stormwater management areas. The silt soil is frost susceptible and will heave during cold weather and settle during spring thaw, which will shorten pavement life. A substantial drainage layer under the pavement will help increase the pavement life.

Based on the testing performed and experience with similar soils, the following design parameters are recommended.

Material	Unit Weight (pcf)		Friction angle (degrees)	Unc. compressive strength (psf)
	Moist	Saturated		
Silt Till	110	125	26	---

SUBSURFACE WATER:

The water level measurements taken during the boring investigation are presented on the boring and sounding logs. This information is coupled with the estimated degree of saturation of the samples to yield an approximate groundwater level. The depth to groundwater was encountered between 5 and 8 feet below the ground surface.

Low permeability soils may result in perched water tables at elevations above the phreatic water surface. The flow rates and quantity of water associated with these water tables will however be small. Seasonal changes in the phreatic water surface and perched water tables are expected due to variable precipitation and runoff.

GEOTECHNICAL CONSIDERATIONS:

This section addresses the geotechnical considerations for the sitework, foundations, and construction procedures which are recommended. Professional services for this investigation are reported and recommendations made in accordance with generally accepted geotechnical engineering practice. An attachment entitled "Important Information about Your Geotechnical Engineering Report" is prepared by the ASFE, Association of Engineering Firms Practicing in the Geosciences should be reviewed and understood. It contains guidelines and outlines the context in which the report should be used.

It should be understood that this report is based on information provided to us and the results of a limited number of borings and soundings. The borings and soundings were advanced at specific locations and the overburden soils sampled at limited and specific depths. Conditions are known at these locations to the depths investigated. Conditions may vary at other locations and depths and

the differences may impact the conclusions reached and recommendations made. For these reasons it is strongly recommended that Gifford Engineering, GE, be retained to provide construction observation and testing services. No warranty, expressed or implied is made.

As the design progresses and plans become finalized, GE should be afforded the opportunity to review them and evaluate the effects that changes made during the design may have on the recommendations made herein. There may have been interpretations of the geotechnical report during the design, which may or may not have been accurate. Interpretations should be coupled with correspondence directed to the geotechnical engineer to avoid confusion.

The subsurface conditions revealed during this investigation are adequate to support the proposed construction. The buildings can be supported on conventional shallow reinforced concrete footings and frost walls. Infiltration rates are provided to aid design of the stormwater management system.

Per Chapter 16 of the New York State Building Code, the site class is D. The following values are provided at the USGS website, confirmed in Section 1615 of the Code, and are recommended for design. The soils encountered are not considered liquefiable in the event of an earthquake.

	Short Period (0.2 Sec)	Long Period (1.0 Sec)
Mapped Spectral Response Acceleration	21.3%g	6.7%g
Site Coefficient	1.6	2.4
Maximum Earthquake Spectral Response	34.1%g	16.1%g
Design Earthquake Spectral Response	22.8%g	10.7%g

Sitework:

Prior to foundation or pavement placement the following remedial actions are recommended for a quality product. The proposed areas of construction should be cleared and grubbed of all organic soils, vegetation, and root matter. Any fill material which was not placed in a controlled manner should be removed from the site. The geotechnical engineer should inspect the subgrades of all pavements, foundations, and slabs. He may require proof rolling of the subgrade with a minimum 10-ton static weight vibratory roller. A heavily loaded truck can be used instead of the roller if approved. The purpose of the proof rolling is to compact the subgrade and locate any soft areas. All soft areas should be removed and replaced with a controlled fill soil. The proof rolling should be witnessed by the geotechnical engineer to evaluate its effectiveness and make recommendations for stabilization.

The following stabilization techniques may be recommended depending upon the site specifics encountered. If necessary, a stabilization technique will be decided by the geotechnical engineer during a site visit to observe subgrade conditions.

The first alternative stabilization technique is most commonly used in these soils and involves a separation or reinforcement geotextile applied to the undercut subgrade and covered with a layer of clean granular fill. Either ¾ inch crushed stone or NYSDOT 733-11, 733-14, or 733-15 are

appropriate for use. A geotextile such as Mirafi 500X may be necessary to separate native soils from the fill material. The thickness of this layer usually varies between 1 and 3 feet as dictated at the site. With good weather conditions and proper construction methods, this layer thickness will most likely be on the lower end of the range. The soil should be compacted with a vibratory roller to obtain a stable working mat. It may be necessary to limit vibration during compaction of initial lifts.

A second alternative stabilization technique involves rolling or pounding coarse fill into the upper reaches of a soft spongy subgrade. This coarse material could be brick waste, slag, cobbles, or crushed rock and must be completely embedded to ensure minimal void spaces. The fill material must be processed to have a maximum grain size of 4 inches, less than 5 percent fines, and must be approved for use by the engineer.

A third alternative stabilization technique involves lowering the groundwater table thereby increasing the stability of the subgrade. The dewatering system may employ temporary or permanent drainage. Tile drains or pump dewatering system may be designed to lower the water table. The contractor's proposed dewatering plan must be submitted for review and approval by the engineer prior to installation.

Slopes:

The site designer should ensure that all manmade slopes, including cuts and fills, should be inclined at no steeper than 3H to 1V, (Horizontal to Vertical). If steeper inclinations are necessary due to the design, the geotechnical engineer should review and confirm that the planned slopes will be stable.

Fills that are to be constructed on slopes and exceed 3 feet deep should be placed on a minimum 12 inch thick layer of freely draining granular soil. A separation geotextile such as Mirafi 160N may be needed to separate the fill from native soils below. The drainage layer will allow runoff to drain freely under the fill and not act like a dam. The use of perforated piping within the drainage layer should be considered, if expected flow volumes warrant more drainage.

For fills that exceed 5 feet deep, the geotechnical engineer should review the planned topography and decide if additional measures are needed to ensure stability of the fill and underlying soils. A keyway, scarification, or other means may be necessary.

Infiltration Test Results:

Two infiltration tests were conducted in accordance with NYSDEC Stormwater Design Manual and ASTM D 4044. A 4-inch diameter PVC pipe was placed in a borehole at the desired depth, sealed around the bottom with bentonite, and backfilled with spoils. After saturation, water was added to the pipe and the time for the water level in the well to drop was recorded. This procedure was repeated 4 times at each well. The results vary between 1.75 and 2.5 inches per hour. The test results are appended.

Controlled Fill:

A controlled fill can be constructed of granular fill in horizontal lifts not exceeding 9 to 12 inches in loose thickness. If hand operated compaction equipment is used, lift thickness should be limited to 4 to 6 inches. All lifts should maintain a minimum density of 95 percent modified Proctor density, as specified by ASTM D 1557. A material that meets the requirements of NYSDOT 733-04, or 733-11, or 733-14, (formerly NYSDOT 203-2.02 type B or C or 304-2.02) is recommended. The use of crushed stone NYSDOT 703-02 is an acceptable alternative. Excerpts from the NYS Standard Specifications for these materials are included in the appendix. All proposed fill soils must be submitted for review and approval by the engineer.

Backfill which has been designed to resist structural loading such as pavements or lateral forces should also meet the compaction requirements above. The requirements of compaction for fill beneath ancillary areas can be lessened to 90 to 92 percent of the cited standard, if desired.

The native silt soils are not suitable for use as controlled fill. The moisture content should be within +/- 2 percent of optimum to allow compaction that meet the recommended compaction. Wet silt soils act like slurries and must be dried to stabilize and become compactable. The high silt content often results in very difficult compaction and can be difficult even during good warm weather conditions. Excess soil materials can be used in green space or ancillary areas without structural loading.

A Quality Assurance, Quality Control, and Special Inspection program should be developed and overseen by the geotechnical engineer of record. Conductance of this quality assurance program is required for proper execution and confirmation that the recommendations contained in this report are followed. Conductance of this program does not relieve the contractor of his responsibility to construct the project in accordance with the plans and specifications, Building Code, and normal industry standards.

Foundation Recommendation:

It is recommended that the proposed construction be supported by spread or continuous footings founded on virgin inorganic soils or a controlled structural fill founding on virgin soils. This controlled fill should extend in all directions horizontally from the edge of footing a dimension at least as great as the undercut dimension.

Care should be exercised during excavation so as not to loosen the subgrade soils. If loosened the soil should be recompacted then proof rolled or removed and replaced with controlled fill or lean concrete.

Footings can be designed for a maximum net allowable bearing capacity of 1.0 TSF when bearing at least 4 feet below existing grade. It is recommended that load bearing continuous footings should be a minimum 2.0 feet wide and isolated pier footings a minimum 3.0 feet wide.

Plan S-101 shows a 2 feet wide reinforced concrete footing as a typical detail. The frost wall appears to be concrete block. If the desired design bearing capacity is 3 ksf (1.5 TSF) the following recommendations should be followed. In order to attain this bearing pressure, the footing must be undercut by a minimum of 12 inches and excavated 2 feet wider and longer than the footing width and length (in plan dimension). The undercut subgrade should be compacted and attain a minimum 95 percent of maximum density per ASTM D1557, modified Proctor. The undercut should be lined with a geotextile such as Mirafi 160N and backfilled with compacted ¾ inch crushed stone. This will create a sub footing that must be centered on the footing.

Exterior footings should maintain a minimum 4.0 feet of cover from frost action. Interior footings should bear at least 2.0 feet below finished grade.

All foundation walls and particularly ones which retain soil should be drained. A tile drain can be placed at the footing level and pitched to daylight or a drainage structure. An acceptable tile drain consists of a 4-inch diameter perforated pipe, surrounded with at least 6 inches of freely draining gravel or washed stone, all wrapped in a drainage geotextile such as Geotex 801 or Mirafi 160N.

A controlled freely draining backfill is recommended. This material should extend a horizontal dimension at least two-thirds the depth of the backfill. The surface material and grade should allow minimal water infiltration. The properly backfilled foundation wall can be designed to resist a linearly increasing soil pressure (equivalent hydrostatic) equal to the unit weight of the soil times the appropriate coefficient in psf per vertical foot. For resistance to sliding, a coefficient of friction for the interface between native soils and concrete of 0.4 is recommended.

Recommended lateral earth pressure coefficients based on Rankine Theory are presented. Values are ultimate and a factor of safety should be applied, particularly to passive. Full passive resistance is mobilized only after significant movement.

Soil	At Rest	Active	Passive
Silt	0.56	0.39	2.57

Slab On Grade:

The floor slabs can be designed to rest on virgin inorganic material or on controlled fill resting on these materials. It is recommended that a minimum 8-inch thick layer of freely draining granular material such as NYS DOT 733.14 (formerly 304-2.02), be compacted beneath the slabs. This layer will provide drainage, a capillary break, and more uniform bearing. This layer should be designed to drain to the perimeter footing drain. Proof rolling is recommended prior to placement of the granular material.

For exterior slabs the thickness of the subbase material should be thickened to 12 inches. It is important to note that the subbase is used for drainage so there must be provisions to allow drainage to daylight or a drainage structure. If a “box out” is used it must have outlets at no more than 50 feet spacing.

The use of a vapor barrier should be evaluated by the architect or engineer. If used, it is recommended that a sturdy membrane be used to avoid damage during construction.

The possibility of slab curl should be minimized by appropriate design and construction techniques. Shrinkage and curling of the slab must be controlled. This problem is caused by differential shrinkage of the concrete and may be partially related to soil conditions. It should be addressed by the architect or engineer. The American Concrete Institute presents recommendations for design and control of floor slabs, which may be useful.

Pavement Thickness Design:

The soils encountered are frost susceptible and will shorten the expected pavement life. Based on a design life of 20 years and 10,000 ESALs recommended thickness of pavement and subbase is given. A minimum 8-inch thick subbase comprised of NYSDOT 304.2.02A Type 2 Crusher Run should be placed over a geotextile such as Mirafi 500X. The asphalt base course of 3-inch thickness and top course of 1.5-inch thickness are recommended.

CONSTRUCTION RECOMMENDATIONS:

All excavations of more than 4 feet should be braced or laid back as necessary to prevent sloughing of the sidewalls. Site safety as dictated by regulating organizations such as OSHA and the NYS Department of Labor should be addressed and maintained during construction by the contractors.

Special inspections and reports that are required by Chapter 17 of the NYS Building Code should be performed by a qualified engineer to ensure compliance with the recommendations of this report.

Excavations adjacent to existing foundations or improvements should not extend below them without adequate sheeting, bracing, and/ or underpinning having been installed. This should be designed and stamped by a registered professional engineer.

Temporary dewatering may be necessary in excavation or low areas if groundwater is encountered or during wet periods. Water from precipitation should be removed from excavations immediately rather than allowed to percolate into the subgrade.

Temporary access roadways may be necessary during wet or thaw weather. This may include geofabric and/or coarse fill.

All subgrades and fill material should be kept from freezing during construction. Water, snow, and ice should not be allowed to collect in low areas and excavations.

Some obstacles including boulders or rubble may be encountered in excavations. If necessary, rippers, breaking tools, and drilling and blasting may be required to remove such materials.

All proof rolling operations should be witnessed by a qualified geotechnical engineer. All subgrades should be inspected by a qualified geotechnical engineer.

APPENDIX:

General Qualifications

Location Diagram

Boring and Sounding Logs

Laboratory Test Results

Infiltration Test Results

NYS DOT Standard Specifications Excerpts

SEAC Design Maps Summary Report

General Notes

Unified Soil Classification System

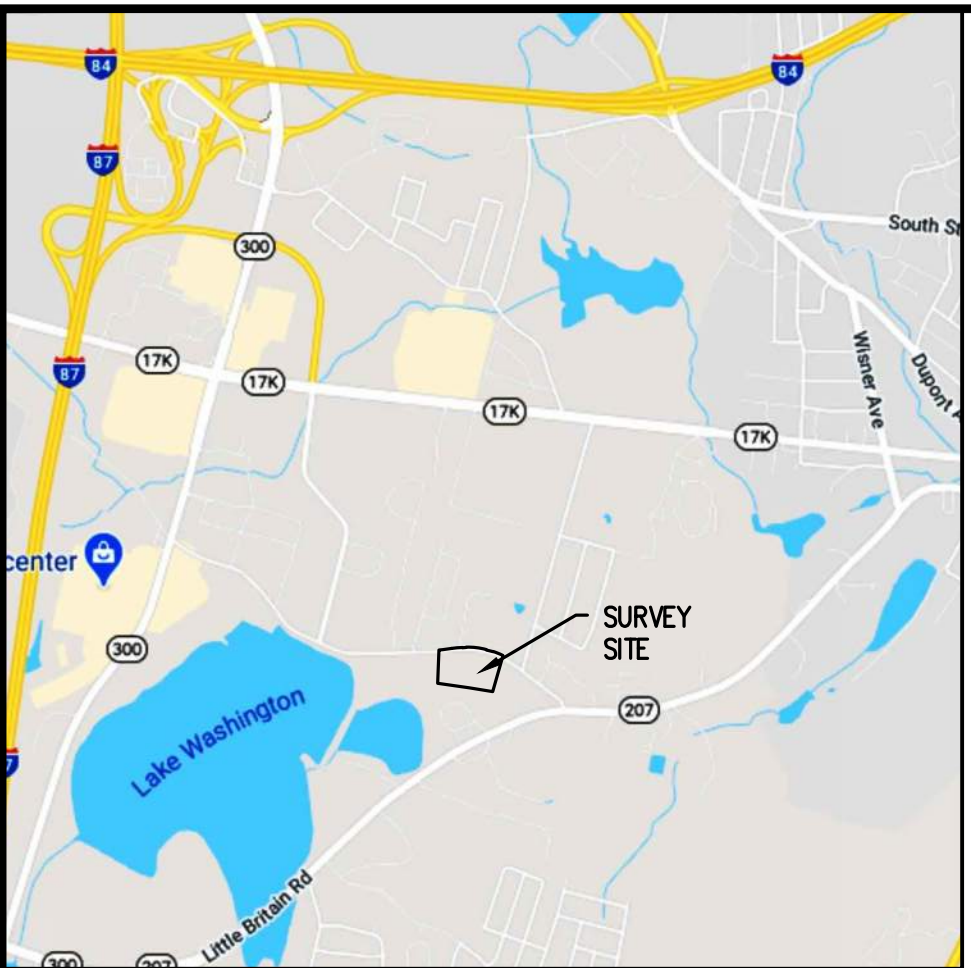
Important Information About Your Geotechnical Engineering Report

GENERAL QUALIFICATIONS:

This report has been prepared to aid in the evaluation of this property and to assist the architect and/or engineer in the design of this project. The scope of the project and location described herein, and description of the project represents my understanding of the significant aspects relevant to soil and foundation characteristics. In the event that any changes in the design or location of the proposed facilities, as outlined in this report, are planned, the geotechnical engineer should be informed so the changes can be reviewed and the conclusions of this report modified in writing, if necessary.

It is recommended that all construction operations dealing with earthwork and foundations be inspected by an experienced geotechnical engineer to ensure that the design requirements are fulfilled in the actual construction. If desired, the geotechnical engineer would review the plans and specifications when they have been prepared to ensure that the geotechnical recommendations have been incorporated into the design, plans, and specifications.

The analysis and recommendations submitted in this report are based upon the data obtained from the soil borings and/or test pits performed at the locations indicated on the location diagram and from any other information discussed in the report. This report does not reflect any variations which may occur between these locations. In the performance of subsurface investigations, specific information is obtained at specific locations at specific times. However, it is a well-known fact that variations in soil and rock conditions exist on most sites between subsurface investigation locations and also such situations as groundwater conditions vary from time to time. The nature and extent of variations may not become evident until the course of construction. If variations then appear evident, it will be necessary for a reevaluation of the recommendations of this report after performing on-site observations during the construction period and noting the characteristics of any variations.



LEGEND:

- WATER MANHOLE
- ⊕ WATER SERVICE VALVE
- ⊕ WATER VALVE
- ⊕ FIRE HYDRANT
- ⊕ CATCH BASIN
- ⊕ UTILITY POLE
- ⊕ UTILITY POLE W/LIGHT
- ⊕ STREET NAME SIGN
- ⊕ ROAD SIGN
- ⊕ MAILBOX
- ⊕ BORE HOLE LOCATION
- OVERHEAD UTILITY LINE
- WATERLINE
- STORM SEWER
- TREE LINE

LOCATION MAP

GENERAL NOTES:

- The source of title in and to 33 Old Little Britain Road (as of the date of this map) is vested in Woodland Views Corp., as set forth in a deed dated February 20, 2018 given by George F. Stradar and Stewart P. Glenn and recorded in the Orange County Clerk's Office on February 23, 2018 in Liber 14366 Cp 1494, and is known as Tax Parcel No. (S.B.L.) 97-3-13.
- The field survey for the property shown hereon was completed using traditional methods, electronic total station instruments and global positioning system technology. The field survey was completed on February 27, 2020.
- The boundary line dimensions shown hereon form a mathematically closed figure within ±0.1 foot.
- This survey is prepared with the benefit of review of Title No.: 3020-988636, issued by First American Title Insurance Company, having an effective date of October 1, 2019.
- Access to the Subject Property is located along Old Little Britain Road.
- Without expressing a legal opinion as to the ownership or nature of a potential encroachment or encumbrance, to the best of the undersigned's knowledge all:
 - observed encroachments (if any) are graphically depicted hereon;
 - all observed encumbrances or as listed in Title No.: 3020-988636 are either addressed as a text comment in Title Exceptions (below) and / or are graphically depicted hereon.

ALTA / NSPS TABLE "A" NOTES

- Survey markers either found or set are denoted hereon.
- The Property's assigned street address is: 33 Old Little Britain Road, Newburgh, New York 12550.
- The total area of the Property measured to the existing centerline of improvement of Old Little Britain Road is: ????? acres, more or less.
- Topographical features and contours lines are graphically depicted hereon using the methods described in General Note 2. All elevations are tied to the North American Vertical Datum of 1988 (NAVD 88).
- Exterior dimensions of buildings at ground level: shown.
- Substantial features observed in the process of conducting the field survey are graphically depicted hereon.
- Utilities shown hereon are plotted from records and / or from observed field evidence, of which were measured during the field survey.
- Names of adjoining property owners according to current tax records: shown.
- Proposed changes in street right of way lines: no information was made available to the undersigned. Evidence of recent street or sidewalk construction or repairs observed in the process of conducting the field survey: none observed.
- Plottable offsite easements or servitudes: None observed.

ALTA / NSPS TABLE "A" NOTES:

Items hereinafter referenced refer to Items in Schedule "B-1" (Exceptions) in Title No.: 3020-988636 referenced in General Note 4:

Items 1 - 5: Each are not a survey matter.

Schedule "A" Description

ALL THAT CERTAIN LOT, PIECE OR PARCELS OF LAND SITUATE, lying and being in the town of Newburgh, County of Orange and State of New York, bounded and described as follows:

Beginning at a point in the center of the Old Little Britain Road leading from the present Little Britain Road to Union Avenue said point of beginning being the northwest corner of lands of M. and J. Flanagan; and runs

thence along the lands of said Flanagan, being along a stone wall, South 29° 29' West 429.65 feet to the corner of a stone wall;

thence along lands of aforesaid Frederick D. Calyer, being along a stone wall, North 67° 48' West 264.4 feet to an angle in said wall;

thence still along lands of said Calyer, being along a stone wall, North 68° 53' West 360.9 feet to the junction of two stone walls in the easterly line of lands of Homer R. Williams;

thence along lands of said Williams, being along a stone wall, North 15° 03' East 379.1 feet to the center of aforesaid Old Little Britain Road;

Thence along the center of said road the following courses and distances:

South 81° 46' East 41 feet

South 87° 13' East 138 feet

South 77° 33' East 115 feet

South 71° 12' East 232 feet

South 61° 11' East 100.75 feet

South 57° 25' East 113.8 feet to the place of beginning.

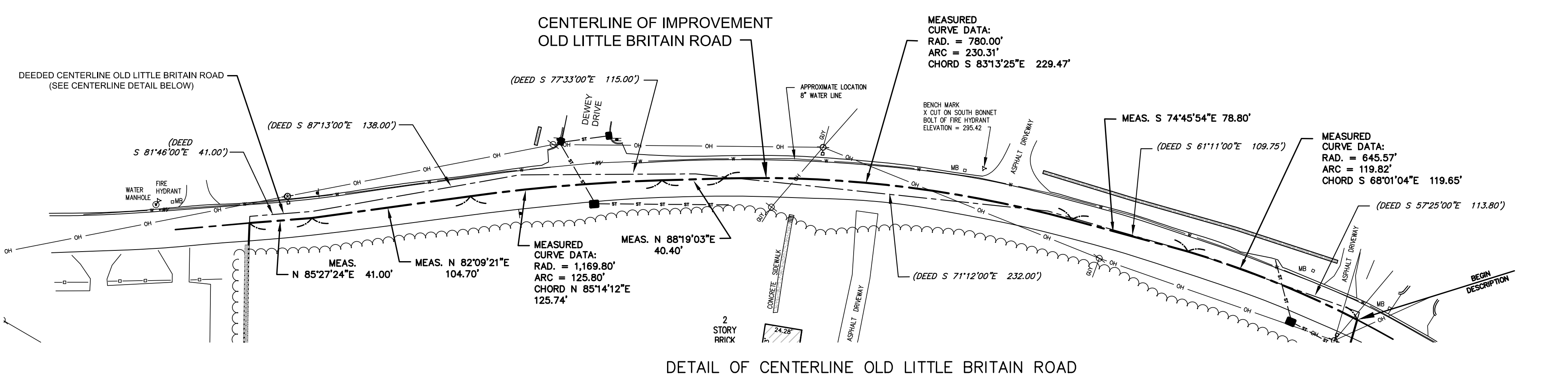
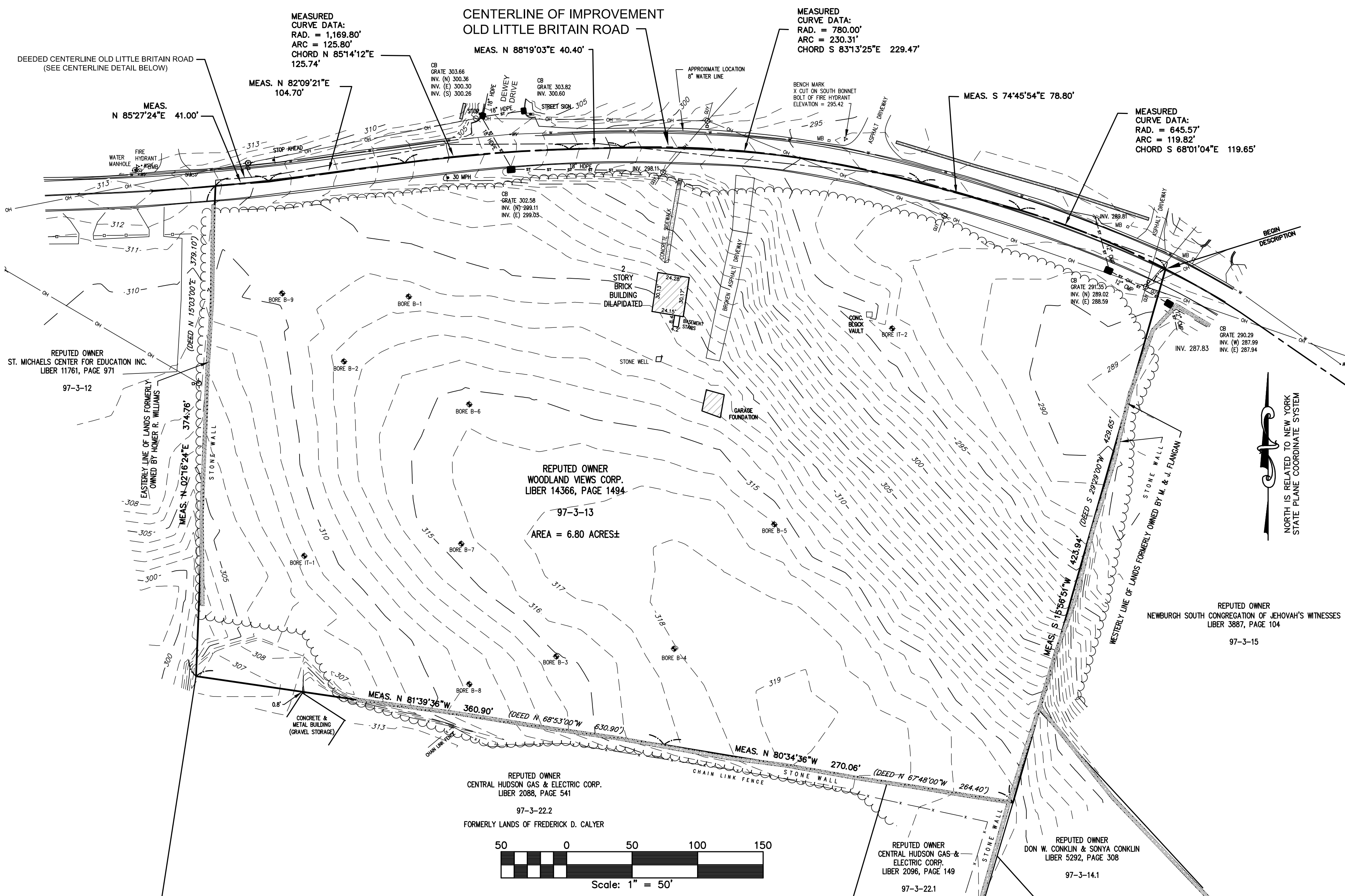
TOGETHER with all the right, title and interest of the party of the first part, of in and to the land lying in the street in front of the adjoining said premises.

Surveyors Description Tax Parcel 97-3-13

ALL THAT CERTAIN LOT, PIECE OR PARCEL OF LAND, situate, lying and being in the Town of Newburgh, County of Orange and State of New York and being more particularly bounded and described as follows:

BEGINNING at a point on the existing centerline of improvement of Old Little Britain Road leading from present Little Britain Road to Union Avenue at its intersection with the westerly line of lands formerly owned by M. and J. Flanagan, said point also being at the northwesterly corner of lands now owned by Newburgh South Congregation of Jehovah's Witnesses; thence South 15° 56' 51" West (State Plane North) along a stone wall and along the westerly line of said lands of Newburgh South Congregation of Jehovah's Witnesses and the extension southerly thereof, 423.94 feet to point; thence North 80° 34' 38" West along a stone wall and along lands reputedly owned by Central Hudson Gas & Electric Corp., 270.08 feet to an angle point in said wall; thence North 81° 39' 36" West continuing along said stone wall and along said lands of Central Hudson Gas & Electric Corp., 360.90 feet to a point on the easterly line of lands formerly owned Homer R. Williams, which is also the easterly line of lands now owned by St. Michaels Center for Education Inc.; thence North 02° 16' 24" East along a stone wall and along said easterly line of lands of St. Michaels Center for Education Inc., 374.76 feet to a point on the existing centerline of improvement of Old Little Britain Road; thence along said centerline the following seven (7) courses and distances: (1) North 85° 27' 24" East, 41.00 feet to a point; thence (2) North 82° 09' 21" East, 104.70 feet to a point of curvature; thence (3) easterly along a curve to the right having a radius of 1,169.80 feet, an arc length of 125.80 feet and a chord bearing and distance of North 85° 14' 12" E, 125.74 to a point of tangent; thence (4) North 88° 19' 03" East, 40.40 feet to a point of curvature; thence (5) easterly along a curve to the right having a radius of 780.00 feet, an arc length of 230.31 feet and a chord bearing and distance of South 83° 13' 25" East, 229.47 feet to a point of tangent; thence (6) South 74° 45' 54" East, 78.80 feet to a point of curvature; thence (7) southeasterly along a curve to the right having a radius of 645.57 feet, an arc length of 119.82 feet and a chord bearing a distance of South 68° 01' 04" East, 119.65 feet to the point of beginning. Containing 6.80 acres, more or less.

SUBJECT TO the rights of the public in and to that portion of the above described lands lying within the bounds of Old Little Britain Road.



PROJECT NAME: New Jehovah Witnesses Worship Center			FILE NO.: 1960		
BORING NO.: B-1			CASING	SAMPLER	CORE BARREL
CLIENT: GPI Engineering			TYPE: HSA	SS	
SITE LOCATION: 33 Old Little Britain Rd, Newburgh, NY 12550			SIZE I.D.: 3.25"	1.375"	
BORING LOCATION: See Location Diagram			HAMMER WT: 140#		
SURFACE ELEVATION: See Location Diagram			HAMMER FALL: 30"		

DEPTH	SAMPLE						COL. A	STRATA CHANGE	FIELD CLASSIFICATION AND REMARKS	
	NO.	DEPTH RANGE	BLOWS PER 6" ON SAMPLER							REC.
			0-6	6-12	12-18	18-24				
5	S-1	0.0' - 2.0'	2	3	5	7	1.4'	12'	5-inches topsoil over, brown, moist, loose, Silt, some Sand, trace Gravel and Clay, ML, native with rock fragments. Similar except medium dense from 2 to 4 feet. Similar.	
	S-2	2.0' - 4.0'	5	5	6	5	1.6'			
	S-3	4.0' - 6.0'	7	5	7	9	0.7'			
	S-4	6.0' - 8.0'	7	8	10	12	2.0'			
	S-5	8.0' - 10.0'	18	27	38	31	1.7'			
	S-6	10.0' - 11.8'	19	37	49	50/0.3'	1.8'			
10									Similar except wet.	
15								Similar except dry and very dense, till.		
20								Similar.		
25								Auger refusal at 12 feet. Offset 7 feet, probe refusal at 12 feet. Driller notes refusal probable at till, not bedrock.		
30								End of boring at 12 feet.		
35										
40										

STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARIES BETWEEN SOIL TYPES. IN-SITU TRANSITION MAY BE GRADUAL.

WATER LEVEL: Water encountered at about 6 feet.		GIFFORD ENGINEERING GEOTECHNICAL & GEOENVIRONMENTAL SERVICES 865 Pearse Road Niskayuna, NY 12309 Phone: (518) 382-2545
DRILLER: Martin Geo-Environmental, LLC - JM	DATE: 09-Mar-20	
APPROVED BY: JCB	DATE: 13-Mar-20	

PROJECT NAME: New Jehovah Witnesses Worship Center			FILE NO.: 1960		
BORING NO.: B-2			CASING	SAMPLER	CORE BARREL
CLIENT: GPI Engineering			TYPE: HSA	SS	
SITE LOCATION: 33 Old Little Britain Rd, Newburgh, NY 12550			SIZE I.D.: 3.25"	1.375"	
BORING LOCATION: See Location Diagram			HAMMER WT: 140#		
SURFACE ELEVATION: See Location Diagram			HAMMER FALL: 30"		

DEPTH	SAMPLE						COL. A	STRATA CHANGE	FIELD CLASSIFICATION AND REMARKS	
	NO.	DEPTH RANGE	BLOWS PER 6" ON SAMPLER							REC.
			0-6	6-12	12-18	18-24				
5	S-1	0.0' - 2.0'	3	2			1.0'	12'	4-inches topsoil over, brown, moist, loose, Silt, some Sand, trace Gravel and Clay, ML, native with rock fragments. Similar except medium dense from 2 to 4 feet. Similar except wet.	
	S-2	2.0' - 4.0'	5	11		2	3			1.2'
	S-3	4.0' - 6.0'	7	5		9	7			1.8'
						6	8			
	S-4	6.0' - 7.8'	11	9		8	50/0.3'			1.5'
10	S-5	8.0' - 10.0'	6	17			1.3'		Similar except dry and dense, till.	
					28	26				
	S-6	10.0' - 10.8'	31	50/0.3'			0.8'		Similar, rock in tip of spoon. Auger refusal at 12 feet. Offset 8 feet, probe refusal at 12 feet. Driller notes refusal probable at till, not bedrock.	
15									End of boring at 12 feet.	
20										
25										
30										
35										
40										

STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARIES BETWEEN SOIL TYPES. IN-SITU TRANSITION MAY BE GRADUAL.

WATER LEVEL: Water encountered at about 5 feet.		GIFFORD ENGINEERING GEOTECHNICAL & GEOENVIRONMENTAL SERVICES 865 Pearse Road Niskayuna, NY 12309 Phone: (518) 382-2545
DRILLER: Martin Geo-Environmental, LLC - JM	DATE: 09-Mar-20	
APPROVED BY: JCB	DATE: 13-Mar-20	

PROJECT NAME: New Jehovah Witnesses Worship Center			FILE NO.: 1960		
BORING NO.: B-3			CASING	SAMPLER	CORE BARREL
CLIENT: GPI Engineering			TYPE: HSA	SS	
SITE LOCATION: 33 Old Little Britain Rd, Newburgh, NY 12550			SIZE I.D.: 3.25"	1.375"	
BORING LOCATION: See Location Diagram			HAMMER WT: 140#		
SURFACE ELEVATION: See Location Diagram			HAMMER FALL: 30"		

DEPTH	SAMPLE						COL. A	STRATA CHANGE	FIELD CLASSIFICATION AND REMARKS	
	NO.	DEPTH RANGE	BLOWS PER 6" ON SAMPLER							REC.
			0-6	6-12	12-18	18-24				
5	S-1	0.0' - 2.0'	2	3	5	6	1.5'	11'	5-inches topsoil over, brown, moist, loose, Silt, some Sand, trace Gravel and Clay, ML, native till with rock fragments. Similar except medium dense from 2 to 4 feet. Similar.	
	S-2	2.0' - 4.0'	14	11	7	4	0.5'			
	S-3	4.0' - 6.0'	5	9	9	12	1.7'			
	S-4	6.0' - 8.0'	16	15	9	8	1.8'			
	S-5	8.0' - 10.0'	9	8	13	15	1.6'			
10	S-6	10.0' - 10.8'	38	50/0.3'		0.6'	Similar except dense. Auger refusal at 11 feet. Offset 5 feet, probe refusal at 12 feet. Driller notes refusal probable at till, not bedrock.			
15							End of boring at 12 feet.			
20										
25										
30										
35										
40										

STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARIES BETWEEN SOIL TYPES. IN-SITU TRANSITION MAY BE GRADUAL.

WATER LEVEL: Water encountered at about 8 feet.		GIFFORD ENGINEERING GEOTECHNICAL & GEOENVIRONMENTAL SERVICES 865 Pearse Road Niskayuna, NY 12309 Phone: (518) 382-2545
DRILLER: Martin Geo-Environmental, LLC - JM	DATE: 09-Mar-20	
APPROVED BY: JCB	DATE: 13-Mar-20	

PROJECT NAME: New Jehovah Witnesses Worship Center			FILE NO.: 1960		
BORING NO.: B-4			CASING	SAMPLER	CORE BARREL
CLIENT: GPI Engineering			TYPE: HSA	SS	
SITE LOCATION: 33 Old Little Britain Rd, Newburgh, NY 12550			SIZE I.D.: 3.25"	1.375"	
BORING LOCATION: See Location Diagram			HAMMER WT: 140#		
SURFACE ELEVATION: See Location Diagram			HAMMER FALL: 30"		

DEPTH	SAMPLE						COL. A	STRATA CHANGE	FIELD CLASSIFICATION AND REMARKS	
	NO.	DEPTH RANGE	BLOWS PER 6" ON SAMPLER							REC.
			0-6	6-12	12-18	18-24				
5	S-1	0.0' - 2.0'	1	1	2	2	1.4'	12'	8-inches topsoil over, brown, moist, loose, Silt, some Sand, trace Gravel and Clay, ML, native till with rock fragments. No recovery from 2 to 4 feet. Rock in tip of spoon. Similar. Similar. Similar except wet. Similar except very dense. Auger refusal at 12 feet. Offset 7 feet, probe refusal at 12 feet. Driller notes refusal probable at till, not bedrock. End of boring at 12 feet.	
	S-2	2.0' - 4.0'	12	8	6	7	0.0'			
	S-3	4.0' - 6.0'	15	6	7	7	1.8'			
	S-4	6.0' - 8.0'	6	9	8	7	1.5'			
	S-5	8.0' - 10.0'	7	8	13	15	1.8'			
10	S-6	10.0' - 11.8'	13	19	38	50/0.3'	1.7'			
15										
20										
25										
30										
35										
40										

STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARIES BETWEEN SOIL TYPES. IN-SITU TRANSITION MAY BE GRADUAL.

WATER LEVEL: Water encountered at about 8 feet.		GIFFORD ENGINEERING GEOTECHNICAL & GEOENVIRONMENTAL SERVICES 865 Pearse Road Niskayuna, NY 12309 Phone: (518) 382-2545
DRILLER: Martin Geo-Environmental, LLC - JM	DATE: 09-Mar-20	
APPROVED BY: JCB	DATE: 13-Mar-20	

GIFFORD ENGINEERING
Geotechnical & Geoenvironmental Services

March 17, 2020

GEOPROBE LOGS

New Jehovah Witnesses Worship Center, File No. 1960

33 Old Little Britain Road, Newburgh, NY 12550

Geoprobe borings by Martin Geo-Environmental, LLC. with track mounted geoprobe on March 9, 2020.

Logged by J. Bazan.

IT – 1

1st tube (0'-4'): 45.5-inches, 64% recovery.

0.0'-0.3' Brown, moist, topsoil.

0.3'-2.4' Brown, moist, Silt, some Sand, trace Gravel and Clay, ML, native with rock fragments.

2nd tube (4'-8'): 45.5-inches, 49% recovery.

4.0'-5.9' Brown, moist, Silt, some Sand, trace Gravel and Clay, ML, native with rock fragments.

End of boring at 8.0 feet. No water encountered.

IT – 2

1st tube (0'-4'): 45.5-inches, 74% recovery.

0.0'-2.8' Brown, moist, Silt, some Sand, trace Gravel and Clay, ML, native with rock fragments.

2nd tube (4'-8'): 45.5-inches, 70% recovery.

4.0'-6.7' Brown, wet, Silt, some Sand, trace Gravel and Clay, ML, native with rock fragments.

End of boring at 8.0 feet. Water encountered at about 5 feet.

B – 5

1st tube (0'-4'): 45.5-inches, 75% recovery.

0.0'-0.6' Brown, moist, topsoil.

0.6'-2.8' Brown, moist, Silt, some Sand, trace Gravel and Clay, ML, native with rock fragments.

2nd tube (4'-8'): 45.5-inches, 64% recovery.

4.0'-6.4' Brown, wet, Silt, some Sand, trace Gravel and Clay, ML, native with rock fragments.

End of boring at 8.0 feet. Water encountered at about 5 feet.

B – 6

1st tube (0'-4'): 45.5-inches, 57% recovery.

0.0'-0.2' Brown, moist, topsoil.

0.2'-2.2' Brown, moist, Silt, some Sand, trace Gravel and Clay, ML, native with rock fragments.

2nd tube (4'-8'): 45.5-inches, 70% recovery.

4.0'-6.7' Brown, moist, Silt, some Sand, trace Gravel and Clay, ML, native with rock fragments.

End of boring at 8.0 feet. Water encountered at about 5 feet.

B – 7

1st tube (0'-4'): 45.5-inches, 84% recovery.

0.0'-0.3' Brown, moist, topsoil.

0.3'-3.2' Brown, moist, Silt, some Sand, trace Gravel and Clay, ML, native with rock fragments.

2nd tube (4'-8'): 45.5-inches, 70% recovery.

4.0'-6.7' Brown, wet, Silt, some Sand, trace Gravel and Clay, ML, native with rock fragments.

End of boring at 8.0 feet. Water encountered at about 5 feet.

B – 8

1st tube (0'-4'): 45.5-inches, 75% recovery.

0.0'-0.2' Brown, moist, topsoil.

0.2'-2.8' Brown, moist, Silt, some Sand, trace Gravel and Clay, ML, native with rock fragments.

2nd tube (4'-8'): 45.5-inches, 70% recovery.

4.0'-6.7' Brown, wet, Silt, some Sand, trace Gravel and Clay, ML, native with rock fragments.

End of boring at 8.0 feet. Water encountered at about 5 feet.

B – 9

1st tube (0'-4'): 45.5-inches, 79% recovery.

0.0'-0.3' Brown, moist, topsoil.

0.3'-2.4' Brown, moist to wet, Silt, some Sand, trace Gravel and Clay, ML, native with rock fragments.

2nd tube (4'-8'): 45.5-inches, 100% recovery.

4.0'-7.8' Brown, wet, Silt, some Sand, trace Gravel and Clay, ML, native with rock fragments.

End of boring at 8.0 feet. Water encountered at about 4 feet.

GIFFORD ENGINEERING
Geotechnical & Geoenvironmental Services

LABORATORY TEST RESULTS
Jehovah Witnesses Worship Center
33 Old Little Britain Rd, Newburgh, NY 12550
File No. 1960

Grain Size Distribution ASTM D 421, D 422 & D 1140

Size/Sieve	Percent Passing by Weight
	B-1 S-2 2'-4'
No. 4	93.0%
No. 10	88.0%
No. 20	82.2%
No. 40	77.4%
No. 100	66.9%
No. 200	59.0%

FIELD TEST RESULTS
Jehovah Witnesses Worship Center
33 Old Little Britain Road
Newburgh, NY 12550
File No. 1960

Infiltration Tests:

Slug permeability testing was performed in monitoring wells in accordance with ASTM D 4044 and NYSDEC Stormwater Design Manual. Borings were advanced to varying depths and 4-inch diameter PVC pipes were placed, sealed around the outside with bentonite chips, and backfilled with spoils. The test procedure involves adding water to the wells and recording time as the water level drops 2 feet. A 5-gallon bucket was emptied into the pipes and the tests were started. Each test was run for one hour or the time required for the water to drain out the bottom of the pipe. A minimum of four tests were performed in each well. The infiltration rates (inches per hour) reported below are for the last test at each location.

The test allows for calculation of coefficient of permeability or hydraulic conductivity (cm per sec), the results are given below. Permeability calculations are from equations in Table 2.6 in "Seepage, Drainage and Flow Nets" by Harry R. Cedergren, (1967), John Wiley & Sons.

$$\text{Shape Factor, } F = \frac{11R}{2} \quad \text{Permeability, } k = \frac{\Pi R^2}{Ft} \ln\left(\frac{h_1}{h_2}\right) = \frac{2\Pi R}{11(t_2 - t_1)} \ln\left(\frac{h_1}{h_2}\right)$$

Slug Permeability Tests were performed on October 23, 2019.

Well No.	Depth to Bottom of Well*	Coeff. of Permeability (cm/sec)	Infiltration Rate (in/hour)
IT-1	4.0' +/-	1.66 x 10 ⁻³	1.75
IT-2	3.0' +/-	1.65 x 10 ⁻³	2.50

* Measured depth of well from ground surface.

NYS DOT Standard Specifications Excerpts

733-04 Subbase Course

733-0401 – Subbase Course, Type 1

733-0402 – Subbase Course, Type 2

733-0403 – Subbase Course, Type 3

733-0404 – Subbase Course, Type 4

Subbase course types are based on the gradation of the material as outlined in Table 733-04A Subbase Gradation.

Sampling. Perform material test and assurance methods pertaining to subbase requirements in conformance with the procedures contained in the Geotechnical Control Procedure (GCP-17) “Procedure for the Control and Quality Assurance of Granular Materials”.

General. Provide suitable material conforming to the requirements of Section 203 Excavation and Embankment and to the requirements contained herein.

Material Requirements.

A. **Composition.** For Types 1, 3 and 4 furnish materials consisting of Stone, Sand, Gravel, and/or recycled material approved for use in accordance with 733-19 Recycled Materials Approved for Use as Earthwork Material (and is identified in the Approved List), or blends of these materials.

For Type 2, furnish materials consisting of Stone, or recycled material approved for use in accordance with 733-19 Recycled Materials Approved for Use as Earthwork Material (and is identified in the Approved List) which is the product of crushing or blasting ledge rock, or a blend of approved recycled material.

B. **Stockpile.** Stockpile subbase material in accordance with the Geotechnical Control Procedure (GCP-17) “Procedure for the Control and Quality Assurance of Granular Materials” except as noted herein.

1. Type 3. Material furnished under Type 3 will not be required to be stockpiled unless it contains recycled material approved for use in accordance with 733-19 Recycled Materials Approved for Use as Earthwork Material and as identified in the Approved List.

2. Recycled Materials. Stockpiling of the Reclaimed Asphalt Pavement (RAP) for subbase course is not required.

C. **Gradation.** Provide subbase material having a gradation in accordance with TABLE 733-04A Subbase Gradation.

NYS DOT Standard Specifications Excerpts

TABLE 733-04A SUBBASE GRADATION

Sieve Size Designation	Percentage Passing by Weight			
	Type 1	Type 2	Type 3	Type 4
4 in.	-	-	100	-
3 in.	100	-	-	-
2 in.	90-100	100	-	100
¼ in.	30-65	25-60	30-75	30-65
No 40	5-40	5-40	5-40	5-40
No. 200	0-10	0-10	0-10	0-10

D. Plasticity Index. Provide material having a Plasticity Index based on the material passing the No. 40 mesh sieve equal to or less than 5.0.

E. Durability.

1. Types 1, 2 and 4. Provide material for Types 1, 2 and 4 having a Magnesium Sulfate Soundness loss less than 20% after four (4) cycles in accordance with the Geotechnical Test Method (GTM-21) “Test Method for Magnesium Sulfate Soundness of Granular Materials”, unless material meeting the requirements of Recycled Materials is used.
2. Type 3. Provide material for Type 3 having a Magnesium Sulfate Soundness loss less than 30% after four (4) cycles in accordance with the Geotechnical Test Method (GTM-21) “Test Method for Magnesium Sulfate Soundness of Granular Materials”.

F. Elongated Particles. A flat or elongated particle is defined herein as one which has its greatest dimension more than three (3) times its least dimension. Provide material consisting of particles where not more than 30%, by weight, of the particles retains on a ½ in. sieves is flat or elongated. When the State elects to test for this requirement, material with a percentage greater than 30 will be rejected. Acceptance for this requirement will normally be based on a visual inspection by the Regional Geotechnical Engineer.

733-11 Select Granular Fill

Material Requirements.

A. Source. Provide backfill material from a source evaluated in accordance with the Geotechnical Control Procedure (GCP-17) “Procedure for the Control and Quality Assurance of Granular Materials”.

NYS DOT Standard Specifications Excerpts

B. Composition. Provide suitable, well graded material consisting of rock, stone, cobbles or gravel, or recycled material approved for use in accordance with 733-19 Recycled Materials Approved for Use as Earthwork Material (and is identified in the Approved List) with the exception of when select granular fill is used as backfill for aluminum pipe. For aluminum pipe applications, the select granular fill shall be free of portland cement or portland cement concrete.

C. Gradation. Provide select granular fill material conforming to the following requirements:

1. Typical. Except when used as backfill material for aluminum pipe with Type IR corrugations (Spiral Rib Pipe), the material shall have a gradation in accordance with TABLE 733-11A Select Granular Fill Gradation.

TABLE 733-11A SELECT GRANULAR FILL GRADATION

Sieve Size Designation	Percentage Passing by Weight
4 in.	100
No. 40	0-70
No. 200	0-15

2. Exception. When used as backfill for Corrugated Aluminum Pipe, Type 1R (Spiral Rib Pipe) 100% of the material shall also pass the 2 in. sieve.

D. Provide material for Type 3 having a Magnesium Sulfate Soundness loss less than 30% after four (4) cycles in accordance with the Geotechnical Test Method (GTM-21) "Test Method for Magnesium Sulfate Soundness of Granular Materials".

733-14 Select Structural Fill

Material Requirements. The material requirements contained in 733-11 Select Granular Fill shall apply.

703-02 Coarse Aggregates (Crushed Stone) and ASTM #57.

Coarse aggregates shall consist of crushed stone, crushed gravel, screened gravel or crushed air-cooled blasé furnace slag, conforming to the requirements of these specifications. All coarse aggregates shall meet the requirements for these materials as outline in Tables 703-2, "Physical Requirements (Testing)" and 703-3, "Physical Requirements (Deleterious Materials)", and 703-4, "Sizes of Stone, Gravel and Slag."

A coarse aggregate meeting the requirements of Tables 703-2, and 703-3 shall be accepted unless service records indicate that it is unsound or that the material is otherwise determined to be unsatisfactory by the Director, Materials Bureau. Coarse aggregate not meeting the requirements of these tables may be further evaluated by additional testing, petrographic examination, geological studies, review of Plant Flow Information and performance history. If the results of the evaluation

NYS DOT Standard Specifications Excerpts

indicated that the aggregate should perform satisfactorily, the source may be accepted by the Director, Materials Bureau.

1. Crushed Stone. Crushed stone shall be Material Designation 703-0201 and shall consist of clean, durable, sharp-angled fragments of rock of uniform quality. The crushed stone used as coarse aggregate for all items shall be obtained from sources conforming to the requirements of the Department as to sampling, testing methods, Quarry Reports and any other required procedures.

2. Crushed Gravel. Crushed Gravel shall be Material Designation 703-0202 and shall consist of clean, durable, sharp-angled fragments of gravel free from coatings. A crushed particle shall be defined as one in which the total area of face fractured exceeds 25% of the maximum cross-section area of the particle. When two fractured faces are designated, the total area of each fractured face shall exceed 25% of the maximum cross-sectional area of the particle.

Table 703-2
Physical Requirements (Testing)

Material Designation	Crushed Stone 703-0201	Crushed Gravel 70-0202	Screened Gravel 703-0203	Crushed Slag 703-0204
Magnesium Sulfate Test (NYSDOT 207) (2) Max. percent loss by weight at 10 cycles	18	18	18	6
Freezing and Thawing Test (NYSDOT 208) (3) Max. percent loss by weight at 25 cycles	10	10	10	-
Los Angeles Abrasion Test (AASHTO T96) Max. percent loss by weight (Grading A or B)	35 (4) 45 (5)	35	35	40
Flat and Elongated Pieces (ASTM C125) Max. percent by weight				
Flat or Elongated to the Degree of 3:1	30	30	-	-
Flat or Elongated to the Degree of 5:1	10	10	-	-
Crushed Particles Minimum percent by weight in any primary size				
No. 2 size and larger (1 fractured faces)	-	75 (6)	-	-
Smaller than the No. 2 size (2 fractured faces)	-	85 (6)	-	-
Minimum dry rodded weight (NYSDOT 213) lbs./cu. ft.	-	-	-	70

- (1) To determine its conformance to specification limits, processed coarse aggregate may be tested at any point after completion of processing. The manufactured material shall be separated into the primary sizes indicated in Table 703-5, "Primary Sizes." Each size fraction shall conform to the requirements of 703-02 Coarse Aggregate.
- (2) Loss applies to No. 2 size fraction for stone and gravel. Loss applies to 2 1/2" – 3/16" material when slag is tested according to ASTM C88.
- (3) The freeze-thaw requirement applies only to aggregate used in Portland cement concrete. The loss applies to the No. 3 size fraction, but the Department reserves the option to test the

NYS DOT Standard Specifications Excerpts

No. 2 size fraction.

- (4) Loss applies to limestone, Dolostone, sandstone and trap rock.
- (5) Loss applies to marble, granitics, and other crystalline materials.
- (6) Crushed particles for each primary size smaller than the No. 2 size shall have a minimum of 85% by weight of the particles with at least two fractured faces.
Crushed particles for each primary size equivalent to or larger than the No. 2 size shall have a minimum of 75% of the particles by weight with at least one fractured face.
Gravel which has not been processed through a crushing operation shall not be combined with crushed gravel.

Table 703-3
Physical Requirements
Deleterious Materials (3)

Material Designation	Maximum percent by weight in any primary size (2)			
	Crushed Stone 703-0201	Crushed Gravel 70-0202	Screened Gravel 703-0203	Crushed Slag 703-0204
Shale or other light materials (1)	1.0	1.0	1.0	-
Coal or Lignite	1.0	1.0	1.0	-
Clay Balls or Lumps	0.2	0.2	0.2	-
Metallic Ore	-	-	-	3.0
Glassy Pieces	-	-	-	5.0
Other Deleterious Substances	1.0	1.0	1.0	-

- (1) This requirement may not apply if service records and/or abrasion and soundness tests indicate to the Department that the aggregate is satisfactory.
- (2) Coarse aggregate containing more than the above specified amounts of deleterious substances, to be accepted by the Department, shall be washed or otherwise processed until such specifications are satisfied.
- (3) Coarse aggregate shall not contain substances which, when mixed in Portland Cement concrete, produce an unacceptable level of chloric ions in the final product.

A naturally fractured face shall be acceptable provided that the sharp angular portion of the particle consists of sound material and is free from unsound or injurious coatings.

The crushed gravel used as coarse aggregate for all items shall be obtained from sources conforming to the requirements of the Department as to sampling, testing methods, Geologic Source Reports, Plant Flow Information, and any other required procedures.

3. Screened Gravel. Screened gravel shall be Material Designation 703-0203 and shall consist of durable gravel free from coatings.

Screened gravel may consist of all uncrushed particles and shall be obtained from sources conforming to the requirements for Crushed gravel.

4. Crushed Slag. Crushed slag particles shall be Material Designation 703-0204 and shall consist of hard, durable, angular fragments which are reasonably uniform in density and quality; free from injurious amounts of Sulphur; and reasonably free from thin, elongated pieces, dirt or other objectionable matter. All crushed slag must be obtained from approved sources conforming to the

NYS DOT Standard Specifications Excerpts

requirements of the Department as to sampling, test methods and any other required procedures. Gradation. The sizes of all stone, gravel or slag used under these specifications shall conform to the gradation requirements for the various sizes tabulated in Table 703-4.

Table 703-4⁽¹⁾
SIZES OF STONE, GRAVEL AND SLAG

Size Designation	Screen Sizes									No. 80 Sieve	No. 200 ⁽³⁾ Sieve
	4"	3"	2 1/2"	2"	1 1/2"	1"	1/2"	1/4"	1/8"		
Screenings ⁽²⁾	-	-	-	-	-	-	100	90-100	-	-	0-1.0
1B	-	-	-	-	-	-	-	100	90-100	0-15	0-1.0
1A	-	-	-	-	-	-	100	90-100	0-15	-	0-1.0
1ST	-	-	-	-	-	-	100	0-15	-	-	0-1.0
1	-	-	-	-	-	100	90-100	0-15	-	-	0-1.0
2	-	-	-	-	100	90-100	0-15	-	-	-	0-1.0
3A	-	-	-	100	90-100	0-15	-	-	-	-	0-0.7
3	-	-	100	90-100	35-70	0-15	-	-	-	-	0-0.7
4A	-	100	90-100	-	0-20	-	-	-	-	-	0-0.7
4	100	90-100	-	0-15	-	-	-	-	-	-	0-0.7
5	90-100	0-15	-	-	-	-	-	-	-	-	0-0.7
ASTM#57	-	-	-	-	100	95-100	25-60	0-10	0-5	-	0-2

- (1) Percentage by weight passing with the following square openings.
- (2) Screenings shall include all of the fine material passing a 1/4" screen.
- (3) The minus 200 material requirements applies only to aggregate for use in Portland cement concrete surface treatments, cold mix bituminous pavements, and underlain filter material. The test (NYSDOT 201) will be performed on the entire sample of the designated size aggregate. Primary size does not apply in the determination of the minus 200 material.



Jehovah Witnesses Worship Center, File No.: 1960

Latitude, Longitude: 41.49511775, -74.05860171



Date	3/17/2020, 10:12:45 AM
Design Code Reference Document	IBC-2015
Risk Category	III
Site Class	D - Stiff Soil

Type	Value	Description
S_S	0.213	MCE_R ground motion. (for 0.2 second period)
S_1	0.067	MCE_R ground motion. (for 1.0s period)
S_{MS}	0.341	Site-modified spectral acceleration value
S_{M1}	0.161	Site-modified spectral acceleration value
S_{DS}	0.228	Numeric seismic design value at 0.2 second SA
S_{D1}	0.107	Numeric seismic design value at 1.0 second SA

Type	Value	Description
SDC	B	Seismic design category
F_a	1.6	Site amplification factor at 0.2 second
F_v	2.4	Site amplification factor at 1.0 second
PGA	0.115	MCE_G peak ground acceleration
F_{PGA}	1.57	Site amplification factor at PGA
PGA_M	0.181	Site modified peak ground acceleration
T_L	6	Long-period transition period in seconds
$SsRT$	0.213	Probabilistic risk-targeted ground motion. (0.2 second)
$SsUH$	0.239	Factored uniform-hazard (2% probability of exceedance in 50 years) spectral acceleration
SsD	1.5	Factored deterministic acceleration value. (0.2 second)
$S1RT$	0.067	Probabilistic risk-targeted ground motion. (1.0 second)
$S1UH$	0.075	Factored uniform-hazard (2% probability of exceedance in 50 years) spectral acceleration.
$S1D$	0.6	Factored deterministic acceleration value. (1.0 second)
$PGAd$	0.6	Factored deterministic acceleration value. (Peak Ground Acceleration)
C_{RS}	0.891	Mapped value of the risk coefficient at short periods
C_{R1}	0.9	Mapped value of the risk coefficient at a period of 1 s

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GENERAL NOTES

DRILLING & SAMPLING SYMBOLS*

SS	Split Spoon – 1 3/8” I.D., 2” O.D.
ST	Shelby Tube – 3” O.D.
OS	Osterberg Sampler – 3” Shelby Tube
DB	Diamond Core – NQ, BX, HQ
WR	Weight of Rod
WH	Weight of Hammer
RD	Rotary Drill Bit
DC	Driven Casing, Washed
WB	Washed Boring
HSA	Hollow Stem Auger
OH	Open Hole
MT	Macro Core MC5 Soil Sampling System

WATER LEVEL SYMBOLS**

WL	Water Level
WCI	Wet Cave In
DCI	Dry Cave In
WS	While Sampling
WD	While Drilling
BCR	Before Casing Removal
ACR	After Casing Removal
AB	After Boring

*Standard “N” Penetration: Blows per foot of a 140 pound hammer falling 30 inches on a 2 inch O.D. split spoon, except where noted.

** Water levels indicated on the boring logs are the levels measured in the boring at the times indicated. In pervious soils, the indicated elevations are considered reliable ground water levels. In impervious soils, the accurate determination of ground water elevations is not possible in even several days observation, and additional evidence on ground water elevations must be sought.

CLASSIFICATION

COHESIONLESS SOILS

“Trace”	1% - 10%
“Little”	10% - 20%
“Some	20% - 35%
“And”	35% - 50%
Very Loose	0 – 3 Blows
Loose	4 – 9 Blows
Medium Dense	10 – 29 Blows
Dense	30 – 50 Blows
Very Dense	> 50 Blows

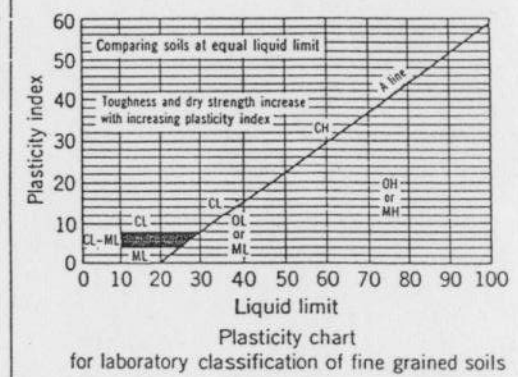
COHESIVE SOILS*

	N (Blows/ft)	Q _c (TSF)
Very Soft	0 – 1	0.00 – 0.25
Soft	2 – 4	0.25 – 0.49
Medium	5 – 8	0.50 – 0.99
Stiff	9 – 15	1.00 – 1.99
Very Stiff	16 – 30	2.00 – 3.99
Hard	> 30	≥ 4.00

* If Clay content is sufficient so that clay dominates soil properties, then Clay becomes the principal noun with the other major soil constituent as modifier: i.e., Silty Clay. Other minor soil constituents may be added according to classification breakdown for cohesionless soils: i.e., Silty Clay, little Sand, trace Gravel. Additional explanation available upon request. See attached Unified Soil Classification sheet.

Table 3.5 Unified Soil Classification

Field Identification Procedures (Excluding particles larger than 3 in. and basing fractions on estimated weights)		Group Symbols ^a	Typical Names	Information Required for Describing Soils	Laboratory Classification Criteria							
Coarse-grained soils More than half of material is larger than No. 200 sieve size (For visual classification, the 1/4 in. size may be used as equivalent to the No. 4 sieve size)	Gravels More than half of coarse fraction is larger than No. 4 sieve size	Clean gravels (little or no fines)	Wide range in grain size and substantial amounts of all intermediate particle sizes	<i>GW</i>	Well graded gravels, gravel-sand mixtures, little or no fines	<p>Give typical name; indicate approximate percentages of sand and gravel; maximum size; angularity, surface condition, and hardness of the coarse grains; local or geologic name and other pertinent descriptive information; and symbols in parentheses</p> <p>For undisturbed soils add information on stratification, degree of compactness, cementation, moisture conditions and drainage characteristics</p> <p>Example: <i>Silty sand, gravelly</i>: about 20% hard, angular gravel particles 1/4-in. maximum size; rounded and subangular sand grains coarse to fine, about 15% non-plastic fines with low dry strength; well compacted and moist in place; alluvial sand; (<i>SM</i>)</p>	$C_u = \frac{D_{60}}{D_{10}}$ Greater than 4 $C_c = \frac{(D_{30})^2}{D_{10} \times D_{60}}$ Between 1 and 3 Not meeting all gradation requirements for <i>GW</i>					
		Gravels with fines (appreciable amount of fines)	Predominantly one size or a range of sizes with some intermediate sizes missing	<i>GP</i>	Poorly graded gravels, gravel-sand mixtures, little or no fines							
	Sands More than half of coarse fraction is smaller than No. 4 sieve size	Clean sands (little or no fines)	Wide range in grain sizes and substantial amounts of all intermediate particle sizes	<i>SW</i>	Well graded sands, gravelly sands, little or no fines			<p>Determine percentages of gravel and sand from grain size curve Depending on percentage of fines (fraction smaller than No. 200 sieve size) coarse grained soils are classified as follows: Less than 5% <i>GW, GP, SW, SP</i> More than 5% <i>GM, GC, SM, SC</i> Borderline cases requiring use of dual symbols</p> $C_u = \frac{D_{60}}{D_{10}}$ Greater than 6 $C_c = \frac{(D_{30})^2}{D_{10} \times D_{60}}$ Between 1 and 3 Not meeting all gradation requirements for <i>SW</i>				
		Sands with fines (appreciable amount of fines)	Predominantly one size or a range of sizes with some intermediate sizes missing	<i>SP</i>	Poorly graded sands, gravelly sands, little or no fines							
	Identification Procedures on Fraction Smaller than No. 40 Sieve Size	Sils and clays liquid limit less than 50	Dry Strength (crushing characteristics)	Dilatancy (reaction to shaking)	Toughness (consistency near plastic limit)				<p>Give typical name; indicate degree and character of plasticity, amount and maximum size of coarse grains; colour in wet condition, odour if any, local or geologic name, and other pertinent descriptive information, and symbol in parentheses</p> <p>For undisturbed soils add information on structure, stratification, consistency in undisturbed and remoulded states, moisture and drainage conditions</p> <p>Example: <i>Clayey silt, brown</i>; slightly plastic; small percentage of fine sand; numerous vertical root holes; firm and dry in place; loess; (<i>ML</i>)</p>	$C_u = \frac{D_{60}}{D_{10}}$ Greater than 4 $C_c = \frac{(D_{30})^2}{D_{10} \times D_{60}}$ Between 1 and 3 Not meeting all gradation requirements for <i>GW</i>		
			None to slight	Quick to slow	None						<i>ML</i>	Inorganic silts and very fine sands, rock flour, silty or clayey fine sands with slight plasticity
			Medium to high	None to very slow	Medium						<i>CL</i>	Inorganic clays of low to medium plasticity, gravelly clays, sandy clays, silty clays, lean clays
			Slight to medium	Slow	Slight						<i>OL</i>	Organic silts and organic silt-clays of low plasticity
			Slight to medium	Slow to none	Slight to medium						<i>MH</i>	Inorganic silts, micaceous or diatomaceous fine sandy or silty soils, elastic silts
			High to very high	None	High						<i>CH</i>	Inorganic clays of high plasticity, fat clays
Sils and clays liquid limit greater than 50	Medium to high	None to very slow	Slight to medium	<i>OH</i>	Organic clays of medium to high plasticity	$C_u = \frac{D_{60}}{D_{10}}$ Greater than 6 $C_c = \frac{(D_{30})^2}{D_{10} \times D_{60}}$ Between 1 and 3 Not meeting all gradation requirements for <i>SW</i>						
	Highly Organic Soils	Readily identified by colour, odour, spongy feel and frequently by fibrous texture		<i>Pt</i>	Peat and other highly organic soils							



From Wagner, 1957.

^a Boundary classifications. Soils possessing characteristics of two groups are designated by combinations of group symbols. For example *GW-GC*, well graded gravel-sand mixture with clay binder.
^b All sieve sizes on this chart are U.S. standard.

These procedures are to be performed on the minus No. 40 sieve size particles, approximately 1/4 in. For field classification purposes, screening is not intended, simply remove by hand the coarse particles that interfere with the tests.

Dilatancy (Reaction to shaking):
 After removing particles larger than No. 40 sieve size, prepare a pat of moist soil with a volume of about one-half cubic inch. Add enough water if necessary to make the soil soft but not sticky.
 Place the pat in the open palm of one hand and shake horizontally, striking vigorously against the other hand several times. A positive reaction consists of the appearance of water on the surface of the pat which changes to a livery consistency and becomes glossy. When the sample is squeezed between the fingers, the water and gloss disappear from the surface, the pat stiffens and finally it cracks or crumbles. The rapidity of appearance of water during shaking and of its disappearance during squeezing assist in identifying the character of the fines in a soil.
 Very fine clean sands give the quickest and most distinct reaction whereas a plastic clay has no reaction. Inorganic silts, such as a typical rock flour, show a moderately quick reaction.

Field Identification Procedure for Fine Grained Soils or Fractions
 For field classification purposes, screening is not intended, simply remove by hand the coarse particles that interfere with the tests.

Dry Strength (Crushing characteristics):
 After removing particles larger than No. 40 sieve size, mould a pat of soil to the consistency of putty, adding water if necessary. Allow the pat to dry completely by oven, sun or air drying, and then test its strength by breaking and crumbling between the fingers. This strength is a measure of the character and quantity of the colloidal fraction contained in the soil. The dry strength increases with increasing plasticity.
 High dry strength is characteristic for clays of the CH group. A typical inorganic silt possesses only very slight dry strength. Silty fine sands and silts have about the same slight dry strength, but can be distinguished by the feel when powdering the dried specimen. Fine sand feels gritty whereas a typical silt has the smooth feel of flour.

Toughness (Consistency near plastic limit):
 After removing particles larger than the No. 40 sieve size, a specimen of soil about one-half inch cube in size, is moulded to the consistency of putty. If too dry, water must be added and if sticky, the specimen should be spread out in a thin layer and allowed to lose some moisture by evaporation. Then the specimen is rolled out by hand on a smooth surface or between the palms into a thread about one-eighth inch in diameter. The thread is then folded and re-rolled repeatedly. During this manipulation the moisture content is gradually reduced and the specimen stiffens, finally loses its plasticity, and crumbles when the plastic limit is reached.
 After the thread crumbles, the pieces should be lumped together and a slight kneading action continued until the lump crumbles.
 The tougher the thread near the plastic limit and the stiffer the lump when it finally crumbles, the more potent is the colloidal clay fraction in the soil. Weakness of the thread at the plastic limit and quick loss of coherence of the lump below the plastic limit indicate either inorganic clay of low plasticity, or materials such as kaolin-type clays and organic clays which occur below the A-line.
 Highly organic clays have a very weak and spongy feel at the plastic limit.

Important Information about This Geotechnical-Engineering Report

Subsurface problems are a principal cause of construction delays, cost overruns, claims, and disputes.

While you cannot eliminate all such risks, you can manage them. The following information is provided to help.

The Geoprofessional Business Association (GBA) has prepared this advisory to help you – assumedly a client representative – interpret and apply this geotechnical-engineering report as effectively as possible. In that way, clients can benefit from a lowered exposure to the subsurface problems that, for decades, have been a principal cause of construction delays, cost overruns, claims, and disputes. If you have questions or want more information about any of the issues discussed below, contact your GBA-member geotechnical engineer. Active involvement in the Geoprofessional Business Association exposes geotechnical engineers to a wide array of risk-confrontation techniques that can be of genuine benefit for everyone involved with a construction project.

Geotechnical-Engineering Services Are Performed for Specific Purposes, Persons, and Projects

Geotechnical engineers structure their services to meet the specific needs of their clients. A geotechnical-engineering study conducted for a given civil engineer will not likely meet the needs of a civil-works constructor or even a different civil engineer. Because each geotechnical-engineering study is unique, each geotechnical-engineering report is unique, prepared *solely* for the client. *Those who rely on a geotechnical-engineering report prepared for a different client can be seriously misled.* No one except authorized client representatives should rely on this geotechnical-engineering report without first conferring with the geotechnical engineer who prepared it. *And no one – not even you – should apply this report for any purpose or project except the one originally contemplated.*

Read this Report in Full

Costly problems have occurred because those relying on a geotechnical-engineering report did not read it *in its entirety*. Do not rely on an executive summary. Do not read selected elements only. *Read this report in full.*

You Need to Inform Your Geotechnical Engineer about Change

Your geotechnical engineer considered unique, project-specific factors when designing the study behind this report and developing the confirmation-dependent recommendations the report conveys. A few typical factors include:

- the client's goals, objectives, budget, schedule, and risk-management preferences;
- the general nature of the structure involved, its size, configuration, and performance criteria;
- the structure's location and orientation on the site; and
- other planned or existing site improvements, such as retaining walls, access roads, parking lots, and underground utilities.

Typical changes that could erode the reliability of this report include those that affect:

- the site's size or shape;
- the function of the proposed structure, as when it's changed from a parking garage to an office building, or from a light-industrial plant to a refrigerated warehouse;
- the elevation, configuration, location, orientation, or weight of the proposed structure;
- the composition of the design team; or
- project ownership.

As a general rule, *always* inform your geotechnical engineer of project changes – even minor ones – and request an assessment of their impact. *The geotechnical engineer who prepared this report cannot accept responsibility or liability for problems that arise because the geotechnical engineer was not informed about developments the engineer otherwise would have considered.*

This Report May Not Be Reliable

Do not rely on this report if your geotechnical engineer prepared it:

- for a different client;
- for a different project;
- for a different site (that may or may not include all or a portion of the original site); or
- before important events occurred at the site or adjacent to it; e.g., man-made events like construction or environmental remediation, or natural events like floods, droughts, earthquakes, or groundwater fluctuations.

Note, too, that it could be unwise to rely on a geotechnical-engineering report whose reliability may have been affected by the passage of time, because of factors like changed subsurface conditions; new or modified codes, standards, or regulations; or new techniques or tools. *If your geotechnical engineer has not indicated an "apply-by" date on the report, ask what it should be, and, in general, if you are the least bit uncertain about the continued reliability of this report, contact your geotechnical engineer before applying it.* A minor amount of additional testing or analysis – if any is required at all – could prevent major problems.

Most of the "Findings" Related in This Report Are Professional Opinions

Before construction begins, geotechnical engineers explore a site's subsurface through various sampling and testing procedures. *Geotechnical engineers can observe actual subsurface conditions only at those specific locations where sampling and testing were performed.* The data derived from that sampling and testing were reviewed by your geotechnical engineer, who then applied professional judgment to form opinions about subsurface conditions throughout the site. Actual sitewide-subsurface conditions may differ – maybe significantly – from those indicated in this report. Confront that risk by retaining your geotechnical engineer to serve on the design team from project start to project finish, so the individual can provide informed guidance quickly, whenever needed.

This Report's Recommendations Are Confirmation-Dependent

The recommendations included in this report – including any options or alternatives – are confirmation-dependent. In other words, *they are not final*, because the geotechnical engineer who developed them relied heavily on judgment and opinion to do so. Your geotechnical engineer can finalize the recommendations *only after observing actual subsurface conditions* revealed during construction. If through observation your geotechnical engineer confirms that the conditions assumed to exist actually do exist, the recommendations can be relied upon, assuming no other changes have occurred. *The geotechnical engineer who prepared this report cannot assume responsibility or liability for confirmation-dependent recommendations if you fail to retain that engineer to perform construction observation.*

This Report Could Be Misinterpreted

Other design professionals' misinterpretation of geotechnical-engineering reports has resulted in costly problems. Confront that risk by having your geotechnical engineer serve as a full-time member of the design team, to:

- confer with other design-team members,
- help develop specifications,
- review pertinent elements of other design professionals' plans and specifications, and
- be on hand quickly whenever geotechnical-engineering guidance is needed.

You should also confront the risk of constructors misinterpreting this report. Do so by retaining your geotechnical engineer to participate in prebid and preconstruction conferences and to perform construction observation.

Give Constructors a Complete Report and Guidance

Some owners and design professionals mistakenly believe they can shift unanticipated-subsurface-conditions liability to constructors by limiting the information they provide for bid preparation. To help prevent the costly, contentious problems this practice has caused, include the complete geotechnical-engineering report, along with any attachments or appendices, with your contract documents, *but be certain to note conspicuously that you've included the material for informational purposes only*. To avoid misunderstanding, you may also want to note that "informational purposes" means constructors have no right to rely on the interpretations, opinions, conclusions, or recommendations in the report, but they may rely on the factual data relative to the specific times, locations, and depths/elevations referenced. Be certain that constructors know they may learn about specific project requirements, including options selected from the report, *only* from the design drawings and specifications. Remind constructors that they may

perform their own studies if they want to, and *be sure to allow enough time* to permit them to do so. Only then might you be in a position to give constructors the information available to you, while requiring them to at least share some of the financial responsibilities stemming from unanticipated conditions. Conducting prebid and preconstruction conferences can also be valuable in this respect.

Read Responsibility Provisions Closely

Some client representatives, design professionals, and constructors do not realize that geotechnical engineering is far less exact than other engineering disciplines. That lack of understanding has nurtured unrealistic expectations that have resulted in disappointments, delays, cost overruns, claims, and disputes. To confront that risk, geotechnical engineers commonly include explanatory provisions in their reports. Sometimes labeled "limitations," many of these provisions indicate where geotechnical engineers' responsibilities begin and end, to help others recognize their own responsibilities and risks. *Read these provisions closely*. Ask questions. Your geotechnical engineer should respond fully and frankly.

Geoenvironmental Concerns Are Not Covered

The personnel, equipment, and techniques used to perform an environmental study – e.g., a "phase-one" or "phase-two" environmental site assessment – differ significantly from those used to perform a geotechnical-engineering study. For that reason, a geotechnical-engineering report does not usually relate any environmental findings, conclusions, or recommendations; e.g., about the likelihood of encountering underground storage tanks or regulated contaminants. *Unanticipated subsurface environmental problems have led to project failures*. If you have not yet obtained your own environmental information, ask your geotechnical consultant for risk-management guidance. As a general rule, *do not rely on an environmental report prepared for a different client, site, or project, or that is more than six months old*.

Obtain Professional Assistance to Deal with Moisture Infiltration and Mold

While your geotechnical engineer may have addressed groundwater, water infiltration, or similar issues in this report, none of the engineer's services were designed, conducted, or intended to prevent uncontrolled migration of moisture – including water vapor – from the soil through building slabs and walls and into the building interior, where it can cause mold growth and material-performance deficiencies. Accordingly, *proper implementation of the geotechnical engineer's recommendations will not of itself be sufficient to prevent moisture infiltration*. Confront the risk of moisture infiltration by including building-envelope or mold specialists on the design team. *Geotechnical engineers are not building-envelope or mold specialists*.



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United States
Department of
Agriculture

NRCS

Natural
Resources
Conservation
Service

A product of the National
Cooperative Soil Survey,
a joint effort of the United
States Department of
Agriculture and other
Federal agencies, State
agencies including the
Agricultural Experiment
Stations, and local
participants

Custom Soil Resource Report for **Orange County, New York**



Preface

Soil surveys contain information that affects land use planning in survey areas. They highlight soil limitations that affect various land uses and provide information about the properties of the soils in the survey areas. Soil surveys are designed for many different users, including farmers, ranchers, foresters, agronomists, urban planners, community officials, engineers, developers, builders, and home buyers. Also, conservationists, teachers, students, and specialists in recreation, waste disposal, and pollution control can use the surveys to help them understand, protect, or enhance the environment.

Various land use regulations of Federal, State, and local governments may impose special restrictions on land use or land treatment. Soil surveys identify soil properties that are used in making various land use or land treatment decisions. The information is intended to help the land users identify and reduce the effects of soil limitations on various land uses. The landowner or user is responsible for identifying and complying with existing laws and regulations.

Although soil survey information can be used for general farm, local, and wider area planning, onsite investigation is needed to supplement this information in some cases. Examples include soil quality assessments (<http://www.nrcs.usda.gov/wps/portal/nrcs/main/soils/health/>) and certain conservation and engineering applications. For more detailed information, contact your local USDA Service Center (<https://offices.sc.egov.usda.gov/locator/app?agency=nrcs>) or your NRCS State Soil Scientist (http://www.nrcs.usda.gov/wps/portal/nrcs/detail/soils/contactus/?cid=nrcs142p2_053951).

Great differences in soil properties can occur within short distances. Some soils are seasonally wet or subject to flooding. Some are too unstable to be used as a foundation for buildings or roads. Clayey or wet soils are poorly suited to use as septic tank absorption fields. A high water table makes a soil poorly suited to basements or underground installations.

The National Cooperative Soil Survey is a joint effort of the United States Department of Agriculture and other Federal agencies, State agencies including the Agricultural Experiment Stations, and local agencies. The Natural Resources Conservation Service (NRCS) has leadership for the Federal part of the National Cooperative Soil Survey.

Information about soils is updated periodically. Updated information is available through the NRCS Web Soil Survey, the site for official soil survey information.

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How Soil Surveys Are Made

Soil surveys are made to provide information about the soils and miscellaneous areas in a specific area. They include a description of the soils and miscellaneous areas and their location on the landscape and tables that show soil properties and limitations affecting various uses. Soil scientists observed the steepness, length, and shape of the slopes; the general pattern of drainage; the kinds of crops and native plants; and the kinds of bedrock. They observed and described many soil profiles. A soil profile is the sequence of natural layers, or horizons, in a soil. The profile extends from the surface down into the unconsolidated material in which the soil formed or from the surface down to bedrock. The unconsolidated material is devoid of roots and other living organisms and has not been changed by other biological activity.

Currently, soils are mapped according to the boundaries of major land resource areas (MLRAs). MLRAs are geographically associated land resource units that share common characteristics related to physiography, geology, climate, water resources, soils, biological resources, and land uses (USDA, 2006). Soil survey areas typically consist of parts of one or more MLRA.

The soils and miscellaneous areas in a survey area occur in an orderly pattern that is related to the geology, landforms, relief, climate, and natural vegetation of the area. Each kind of soil and miscellaneous area is associated with a particular kind of landform or with a segment of the landform. By observing the soils and miscellaneous areas in the survey area and relating their position to specific segments of the landform, a soil scientist develops a concept, or model, of how they were formed. Thus, during mapping, this model enables the soil scientist to predict with a considerable degree of accuracy the kind of soil or miscellaneous area at a specific location on the landscape.

Commonly, individual soils on the landscape merge into one another as their characteristics gradually change. To construct an accurate soil map, however, soil scientists must determine the boundaries between the soils. They can observe only a limited number of soil profiles. Nevertheless, these observations, supplemented by an understanding of the soil-vegetation-landscape relationship, are sufficient to verify predictions of the kinds of soil in an area and to determine the boundaries.

Soil scientists recorded the characteristics of the soil profiles that they studied. They noted soil color, texture, size and shape of soil aggregates, kind and amount of rock fragments, distribution of plant roots, reaction, and other features that enable them to identify soils. After describing the soils in the survey area and determining their properties, the soil scientists assigned the soils to taxonomic classes (units). Taxonomic classes are concepts. Each taxonomic class has a set of soil characteristics with precisely defined limits. The classes are used as a basis for comparison to classify soils systematically. Soil taxonomy, the system of taxonomic classification used in the United States, is based mainly on the kind and character of soil properties and the arrangement of horizons within the profile. After the soil

Custom Soil Resource Report

scientists classified and named the soils in the survey area, they compared the individual soils with similar soils in the same taxonomic class in other areas so that they could confirm data and assemble additional data based on experience and research.

The objective of soil mapping is not to delineate pure map unit components; the objective is to separate the landscape into landforms or landform segments that have similar use and management requirements. Each map unit is defined by a unique combination of soil components and/or miscellaneous areas in predictable proportions. Some components may be highly contrasting to the other components of the map unit. The presence of minor components in a map unit in no way diminishes the usefulness or accuracy of the data. The delineation of such landforms and landform segments on the map provides sufficient information for the development of resource plans. If intensive use of small areas is planned, onsite investigation is needed to define and locate the soils and miscellaneous areas.

Soil scientists make many field observations in the process of producing a soil map. The frequency of observation is dependent upon several factors, including scale of mapping, intensity of mapping, design of map units, complexity of the landscape, and experience of the soil scientist. Observations are made to test and refine the soil-landscape model and predictions and to verify the classification of the soils at specific locations. Once the soil-landscape model is refined, a significantly smaller number of measurements of individual soil properties are made and recorded. These measurements may include field measurements, such as those for color, depth to bedrock, and texture, and laboratory measurements, such as those for content of sand, silt, clay, salt, and other components. Properties of each soil typically vary from one point to another across the landscape.

Observations for map unit components are aggregated to develop ranges of characteristics for the components. The aggregated values are presented. Direct measurements do not exist for every property presented for every map unit component. Values for some properties are estimated from combinations of other properties.

While a soil survey is in progress, samples of some of the soils in the area generally are collected for laboratory analyses and for engineering tests. Soil scientists interpret the data from these analyses and tests as well as the field-observed characteristics and the soil properties to determine the expected behavior of the soils under different uses. Interpretations for all of the soils are field tested through observation of the soils in different uses and under different levels of management. Some interpretations are modified to fit local conditions, and some new interpretations are developed to meet local needs. Data are assembled from other sources, such as research information, production records, and field experience of specialists. For example, data on crop yields under defined levels of management are assembled from farm records and from field or plot experiments on the same kinds of soil.

Predictions about soil behavior are based not only on soil properties but also on such variables as climate and biological activity. Soil conditions are predictable over long periods of time, but they are not predictable from year to year. For example, soil scientists can predict with a fairly high degree of accuracy that a given soil will have a high water table within certain depths in most years, but they cannot predict that a high water table will always be at a specific level in the soil on a specific date.

After soil scientists located and identified the significant natural bodies of soil in the survey area, they drew the boundaries of these bodies on aerial photographs and

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identified each as a specific map unit. Aerial photographs show trees, buildings, fields, roads, and rivers, all of which help in locating boundaries accurately.

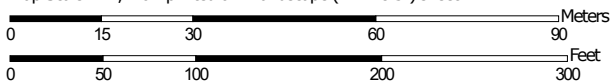
Soil Map

The soil map section includes the soil map for the defined area of interest, a list of soil map units on the map and extent of each map unit, and cartographic symbols displayed on the map. Also presented are various metadata about data used to produce the map, and a description of each soil map unit.

Custom Soil Resource Report Soil Map



Map Scale: 1:1,240 if printed on A landscape (11" x 8.5") sheet.



Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 18N WGS84

MAP LEGEND

- Area of Interest (AOI)**
 - Area of Interest (AOI)
- Soils**
 - Soil Map Unit Polygons
 - Soil Map Unit Lines
 - Soil Map Unit Points
- Special Point Features**
 - Blowout
 - Borrow Pit
 - Clay Spot
 - Closed Depression
 - Gravel Pit
 - Gravelly Spot
 - Landfill
 - Lava Flow
 - Marsh or swamp
 - Mine or Quarry
 - Miscellaneous Water
 - Perennial Water
 - Rock Outcrop
 - Saline Spot
 - Sandy Spot
 - Severely Eroded Spot
 - Sinkhole
 - Slide or Slip
 - Sodic Spot
- Water Features**
 - Streams and Canals
- Transportation**
 - Rails
 - Interstate Highways
 - US Routes
 - Major Roads
 - Local Roads
- Background**
 - Aerial Photography
- Other Features**
 - Spoil Area
 - Stony Spot
 - Very Stony Spot
 - Wet Spot
 - Other
 - Special Line Features

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: Orange County, New York
 Survey Area Data: Version 20, Sep 16, 2019

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Oct 7, 2013—Feb 26, 2017

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.

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
ErB	Erie gravelly silt loam, 3 to 8 percent slopes	0.8	11.5%
PtB	Pittsfield gravelly loam, 3 to 8 percent slopes	2.7	41.0%
PtC	Pittsfield gravelly loam, 8 to 15 percent slopes	1.5	22.9%
PtD	Pittsfield gravelly loam, 15 to 25 percent slopes	1.5	22.6%
SXC	Swartwood and Mardin soils, sloping, very stony	0.1	2.0%
Totals for Area of Interest		6.5	100.0%

Map Unit Descriptions

The map units delineated on the detailed soil maps in a soil survey represent the soils or miscellaneous areas in the survey area. The map unit descriptions, along with the maps, can be used to determine the composition and properties of a unit.

A map unit delineation on a soil map represents an area dominated by one or more major kinds of soil or miscellaneous areas. A map unit is identified and named according to the taxonomic classification of the dominant soils. Within a taxonomic class there are precisely defined limits for the properties of the soils. On the landscape, however, the soils are natural phenomena, and they have the characteristic variability of all natural phenomena. Thus, the range of some observed properties may extend beyond the limits defined for a taxonomic class. Areas of soils of a single taxonomic class rarely, if ever, can be mapped without including areas of other taxonomic classes. Consequently, every map unit is made up of the soils or miscellaneous areas for which it is named and some minor components that belong to taxonomic classes other than those of the major soils.

Most minor soils have properties similar to those of the dominant soil or soils in the map unit, and thus they do not affect use and management. These are called noncontrasting, or similar, components. They may or may not be mentioned in a particular map unit description. Other minor components, however, have properties and behavioral characteristics divergent enough to affect use or to require different management. These are called contrasting, or dissimilar, components. They generally are in small areas and could not be mapped separately because of the scale used. Some small areas of strongly contrasting soils or miscellaneous areas are identified by a special symbol on the maps. If included in the database for a given area, the contrasting minor components are identified in the map unit descriptions along with some characteristics of each. A few areas of minor components may not have been observed, and consequently they are not mentioned in the descriptions, especially where the pattern was so complex that it was impractical to make enough observations to identify all the soils and miscellaneous areas on the landscape.

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The presence of minor components in a map unit in no way diminishes the usefulness or accuracy of the data. The objective of mapping is not to delineate pure taxonomic classes but rather to separate the landscape into landforms or landform segments that have similar use and management requirements. The delineation of such segments on the map provides sufficient information for the development of resource plans. If intensive use of small areas is planned, however, onsite investigation is needed to define and locate the soils and miscellaneous areas.

An identifying symbol precedes the map unit name in the map unit descriptions. Each description includes general facts about the unit and gives important soil properties and qualities.

Soils that have profiles that are almost alike make up a *soil series*. Except for differences in texture of the surface layer, all the soils of a series have major horizons that are similar in composition, thickness, and arrangement.

Soils of one series can differ in texture of the surface layer, slope, stoniness, salinity, degree of erosion, and other characteristics that affect their use. On the basis of such differences, a soil series is divided into *soil phases*. Most of the areas shown on the detailed soil maps are phases of soil series. The name of a soil phase commonly indicates a feature that affects use or management. For example, Alpha silt loam, 0 to 2 percent slopes, is a phase of the Alpha series.

Some map units are made up of two or more major soils or miscellaneous areas. These map units are complexes, associations, or undifferentiated groups.

A *complex* consists of two or more soils or miscellaneous areas in such an intricate pattern or in such small areas that they cannot be shown separately on the maps. The pattern and proportion of the soils or miscellaneous areas are somewhat similar in all areas. Alpha-Beta complex, 0 to 6 percent slopes, is an example.

An *association* is made up of two or more geographically associated soils or miscellaneous areas that are shown as one unit on the maps. Because of present or anticipated uses of the map units in the survey area, it was not considered practical or necessary to map the soils or miscellaneous areas separately. The pattern and relative proportion of the soils or miscellaneous areas are somewhat similar. Alpha-Beta association, 0 to 2 percent slopes, is an example.

An *undifferentiated group* is made up of two or more soils or miscellaneous areas that could be mapped individually but are mapped as one unit because similar interpretations can be made for use and management. The pattern and proportion of the soils or miscellaneous areas in a mapped area are not uniform. An area can be made up of only one of the major soils or miscellaneous areas, or it can be made up of all of them. Alpha and Beta soils, 0 to 2 percent slopes, is an example.

Some surveys include *miscellaneous areas*. Such areas have little or no soil material and support little or no vegetation. Rock outcrop is an example.

Orange County, New York

ErB—Erie gravelly silt loam, 3 to 8 percent slopes

Map Unit Setting

National map unit symbol: 9vv9
Mean annual precipitation: 42 to 52 inches
Mean annual air temperature: 46 to 52 degrees F
Frost-free period: 135 to 215 days
Farmland classification: Farmland of statewide importance

Map Unit Composition

Erie and similar soils: 80 percent
Minor components: 20 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Erie

Setting

Landform: Till plains, drumlinoid ridges, hills
Landform position (two-dimensional): Footslope, summit
Landform position (three-dimensional): Base slope
Down-slope shape: Concave
Across-slope shape: Linear
Parent material: Loamy till derived from siltstone, sandstone, shale, and limestone

Typical profile

H1 - 0 to 9 inches: gravelly silt loam
H2 - 9 to 18 inches: channery silt loam
H3 - 18 to 54 inches: channery silt loam
H4 - 54 to 70 inches: channery silt loam

Properties and qualities

Slope: 3 to 8 percent
Depth to restrictive feature: 10 to 21 inches to fragipan
Natural drainage class: Somewhat poorly drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately low to moderately high (0.06 to 0.20 in/hr)
Depth to water table: About 6 to 18 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum in profile: 15 percent
Available water storage in profile: Very low (about 2.4 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 3w
Hydrologic Soil Group: D
Hydric soil rating: No

Minor Components

Bath

Percent of map unit: 5 percent
Hydric soil rating: No

Mardin

Percent of map unit: 5 percent
Hydric soil rating: No

Alden

Percent of map unit: 5 percent
Landform: Depressions
Hydric soil rating: Yes

Wurtsboro

Percent of map unit: 5 percent
Hydric soil rating: No

PtB—Pittsfield gravelly loam, 3 to 8 percent slopes

Map Unit Setting

National map unit symbol: 9vw8
Elevation: 0 to 1,000 feet
Mean annual precipitation: 42 to 52 inches
Mean annual air temperature: 46 to 52 degrees F
Frost-free period: 135 to 215 days
Farmland classification: All areas are prime farmland

Map Unit Composition

Pittsfield and similar soils: 75 percent
Minor components: 25 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Pittsfield

Setting

Landform: Till plains, drumlinoid ridges, hills
Landform position (two-dimensional): Summit
Landform position (three-dimensional): Crest
Down-slope shape: Convex
Across-slope shape: Convex
Parent material: Calcareous loamy till

Typical profile

H1 - 0 to 10 inches: gravelly loam
H2 - 10 to 34 inches: gravelly loam
H3 - 34 to 60 inches: gravelly sandy loam

Properties and qualities

Slope: 3 to 8 percent
Depth to restrictive feature: More than 80 inches
Natural drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high (0.57 to 5.95 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None

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Frequency of ponding: None
Calcium carbonate, maximum in profile: 15 percent
Available water storage in profile: Moderate (about 8.5 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 2e
Hydrologic Soil Group: B
Hydric soil rating: No

Minor Components

Hollis

Percent of map unit: 5 percent
Hydric soil rating: No

Bath

Percent of map unit: 5 percent
Hydric soil rating: No

Mardin

Percent of map unit: 5 percent
Hydric soil rating: No

Charlton

Percent of map unit: 5 percent
Hydric soil rating: No

Paxton

Percent of map unit: 5 percent
Hydric soil rating: No

PtC—Pittsfield gravelly loam, 8 to 15 percent slopes

Map Unit Setting

National map unit symbol: 9vw9
Elevation: 0 to 1,000 feet
Mean annual precipitation: 42 to 52 inches
Mean annual air temperature: 46 to 52 degrees F
Frost-free period: 135 to 215 days
Farmland classification: Farmland of statewide importance

Map Unit Composition

Pittsfield and similar soils: 75 percent
Minor components: 25 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Pittsfield

Setting

Landform: Drumlinoid ridges, hills, till plains
Landform position (two-dimensional): Shoulder

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Landform position (three-dimensional): Crest
Down-slope shape: Convex
Across-slope shape: Convex
Parent material: Calcareous loamy till

Typical profile

H1 - 0 to 9 inches: gravelly loam
H2 - 9 to 31 inches: gravelly loam
H3 - 31 to 60 inches: gravelly sandy loam

Properties and qualities

Slope: 8 to 15 percent
Depth to restrictive feature: More than 80 inches
Natural drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high (0.57 to 5.95 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum in profile: 15 percent
Available water storage in profile: Moderate (about 8.4 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 3e
Hydrologic Soil Group: B
Hydric soil rating: No

Minor Components

Hollis

Percent of map unit: 5 percent
Hydric soil rating: No

Bath

Percent of map unit: 5 percent
Hydric soil rating: No

Mardin

Percent of map unit: 5 percent
Hydric soil rating: No

Charlton

Percent of map unit: 5 percent
Hydric soil rating: No

Paxton

Percent of map unit: 5 percent
Hydric soil rating: No

PtD—Pittsfield gravelly loam, 15 to 25 percent slopes

Map Unit Setting

National map unit symbol: 9vwb
Elevation: 0 to 1,000 feet
Mean annual precipitation: 42 to 52 inches
Mean annual air temperature: 46 to 52 degrees F
Frost-free period: 135 to 215 days
Farmland classification: Not prime farmland

Map Unit Composition

Pittsfield and similar soils: 80 percent
Minor components: 20 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Pittsfield

Setting

Landform: Drumlinoid ridges, hills, till plains
Landform position (two-dimensional): Backslope
Landform position (three-dimensional): Side slope
Down-slope shape: Convex
Across-slope shape: Convex
Parent material: Calcareous loamy till

Typical profile

H1 - 0 to 8 inches: gravelly loam
H2 - 8 to 28 inches: gravelly loam
H3 - 28 to 60 inches: gravelly sandy loam

Properties and qualities

Slope: 15 to 25 percent
Depth to restrictive feature: More than 80 inches
Natural drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high (0.57 to 5.95 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum in profile: 15 percent
Available water storage in profile: Moderate (about 8.3 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 4e
Hydrologic Soil Group: B
Hydric soil rating: No

Minor Components

Hollis

Percent of map unit: 5 percent
Hydric soil rating: No

Mardin

Percent of map unit: 5 percent
Hydric soil rating: No

Bath

Percent of map unit: 5 percent
Hydric soil rating: No

Charlton

Percent of map unit: 5 percent
Hydric soil rating: No

SXC—Swartswood and Mardin soils, sloping, very stony

Map Unit Setting

National map unit symbol: 2v30r
Elevation: 330 to 2,460 feet
Mean annual precipitation: 31 to 70 inches
Mean annual air temperature: 39 to 52 degrees F
Frost-free period: 105 to 180 days
Farmland classification: Not prime farmland

Map Unit Composition

Swartswood, very stony, and similar soils: 40 percent
Mardin, very stony, and similar soils: 40 percent
Minor components: 20 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Swartswood, Very Stony

Setting

Landform: Hills, till plains
Landform position (two-dimensional): Shoulder
Landform position (three-dimensional): Crest
Down-slope shape: Convex
Across-slope shape: Convex
Parent material: Loamy till derived mainly from quartzite, conglomerate, and sandstone

Typical profile

H1 - 0 to 3 inches: gravelly loam
H2 - 3 to 31 inches: gravelly fine sandy loam
H3 - 31 to 60 inches: gravelly fine sandy loam

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Properties and qualities

Slope: 8 to 15 percent
Percent of area covered with surface fragments: 1.6 percent
Depth to restrictive feature: 20 to 36 inches to fragipan
Natural drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately low to moderately high (0.06 to 0.57 in/hr)
Depth to water table: About 23 to 31 inches
Frequency of flooding: None
Frequency of ponding: None
Available water storage in profile: Low (about 3.1 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 6s
Hydrologic Soil Group: C
Hydric soil rating: No

Description of Mardin, Very Stony

Setting

Landform: Hills, mountains
Landform position (two-dimensional): Shoulder, backslope
Landform position (three-dimensional): Interfluve, side slope
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Loamy till

Typical profile

A - 0 to 4 inches: gravelly silt loam
Bw - 4 to 15 inches: gravelly silt loam
E - 15 to 20 inches: gravelly silt loam
Bx - 20 to 72 inches: gravelly silt loam

Properties and qualities

Slope: 8 to 15 percent
Percent of area covered with surface fragments: 1.6 percent
Depth to restrictive feature: 14 to 26 inches to fragipan
Natural drainage class: Moderately well drained
Capacity of the most limiting layer to transmit water (Ksat): Very low to moderately low (0.00 to 0.14 in/hr)
Depth to water table: About 13 to 24 inches
Frequency of flooding: None
Frequency of ponding: None
Available water storage in profile: Low (about 3.6 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 6s
Hydrologic Soil Group: D
Hydric soil rating: No

Minor Components

Bath, very stony

Percent of map unit: 5 percent
Landform: Hills, mountains

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Landform position (two-dimensional): Backslope
Landform position (three-dimensional): Nose slope, side slope
Down-slope shape: Linear
Across-slope shape: Linear
Hydric soil rating: No

Volusia, very stony

Percent of map unit: 5 percent
Landform: Hills, mountains
Landform position (two-dimensional): Footslope, summit
Landform position (three-dimensional): Base slope, interfluve, side slope
Down-slope shape: Concave
Across-slope shape: Linear
Hydric soil rating: No

Wurtsboro, very stony

Percent of map unit: 5 percent
Landform: Hills, till plains
Landform position (two-dimensional): Summit
Landform position (three-dimensional): Crest
Down-slope shape: Concave
Across-slope shape: Convex
Hydric soil rating: No

Lordstown

Percent of map unit: 5 percent
Landform: Mountains, hills
Landform position (two-dimensional): Backslope
Landform position (three-dimensional): Mountainflank, nose slope, side slope
Down-slope shape: Linear
Across-slope shape: Linear
Hydric soil rating: No

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APPENDIX H:

Historical, Cultural, and Environmental Resources

HISTORICAL, CULTURAL, AND ENVIRONMENTAL RESOURCES SUMMARY

Newburgh Kingdom Hall of Jehovah's Witnesses

1. USGS Web Soil Survey (<http://websoilsurvey.sc.egov.usda.gov/app/homepage.htm>)

a. HSG Classifications

- i. PtB is B
- ii. PtC is B
- iii. PtD is B
- iv. ErB is D
- v. SXC is C



2. National Wetlands Inventory (<https://www.fws.gov/wetlands/data/mapper.html>)

a. Conclusion: Washington Lake is located southwest of the site.

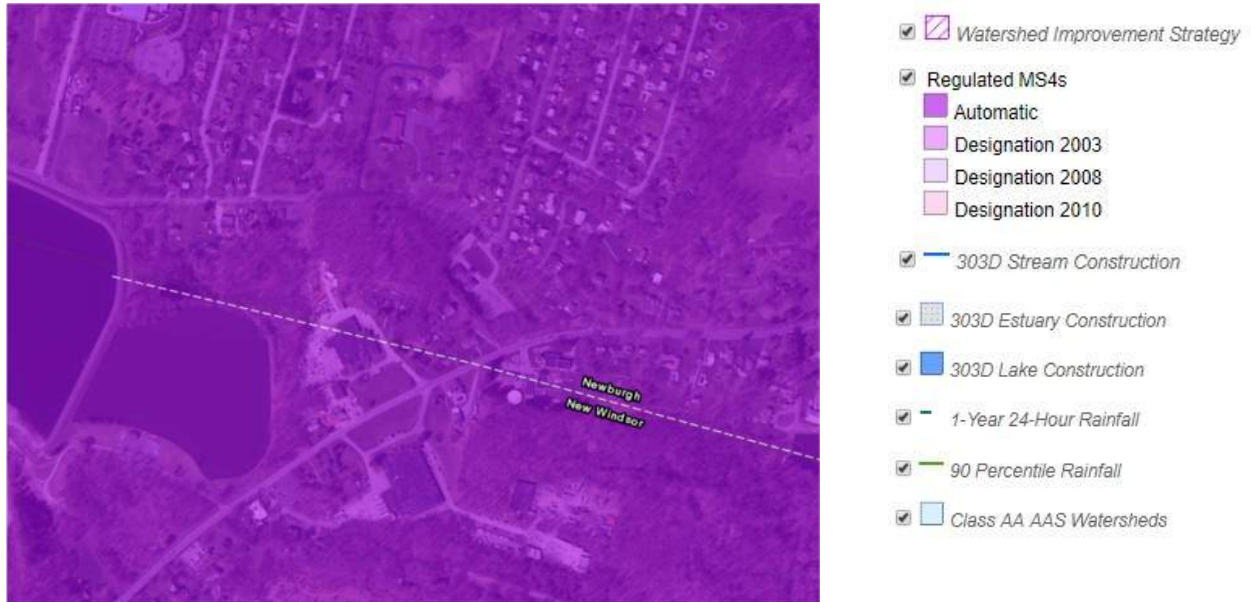


3. NYSDEC's Stormwater Interactive Map (<http://www.dec.ny.gov/gis/stormwater/>)

a. Conclusion:

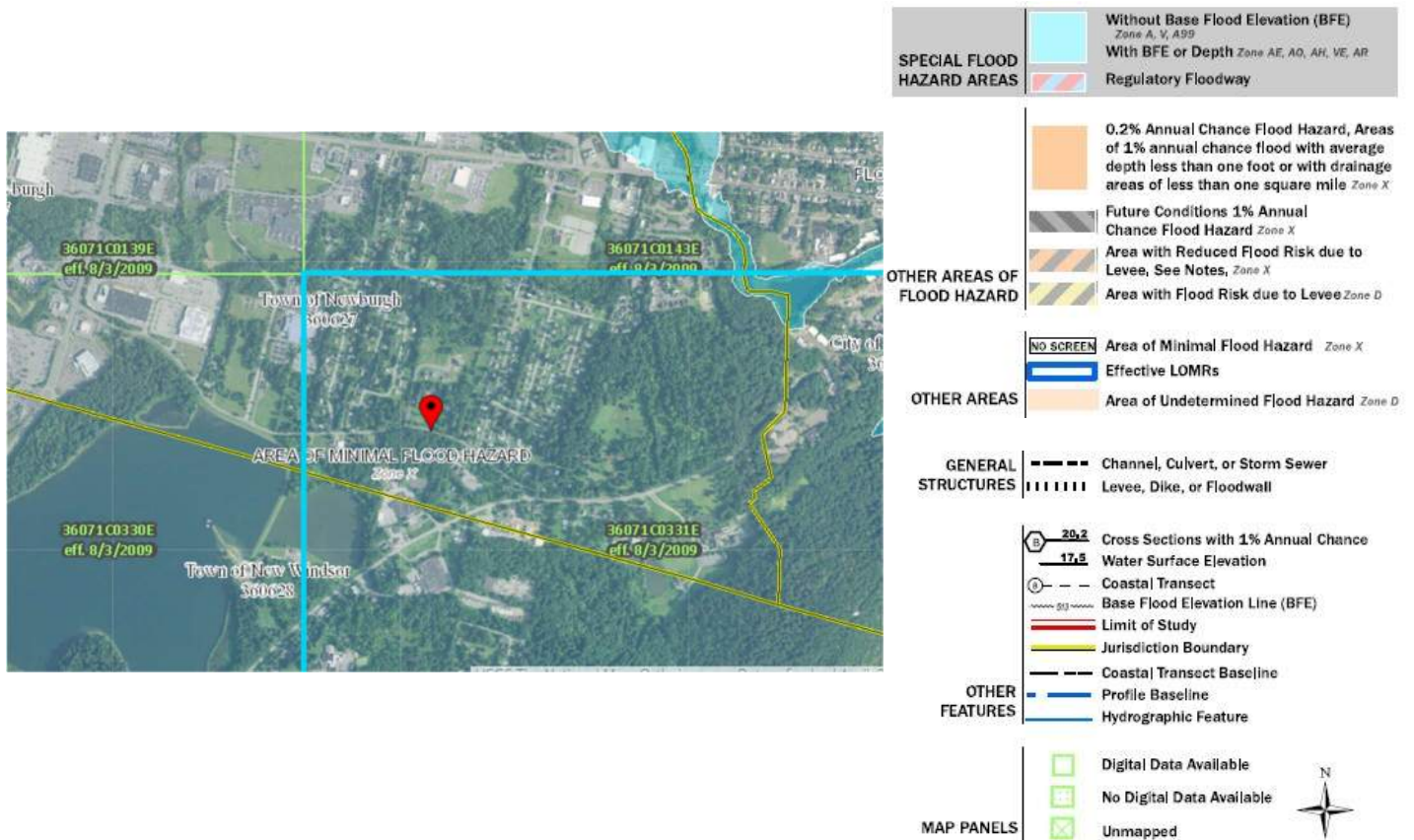
- i. No impaired bodies of water located at the site
- ii. In a regulated MS4 (Town of Newburgh)
- iii. No water bodies on 303D list

(https://www.dec.ny.gov/docs/water_pdf/303dListfinal2016.pdf)



4. FEMA Flood Maps (<https://msc.fema.gov/portal>)

- i. Conclusion: The site lies within zone X (0.2% annual flood chance)



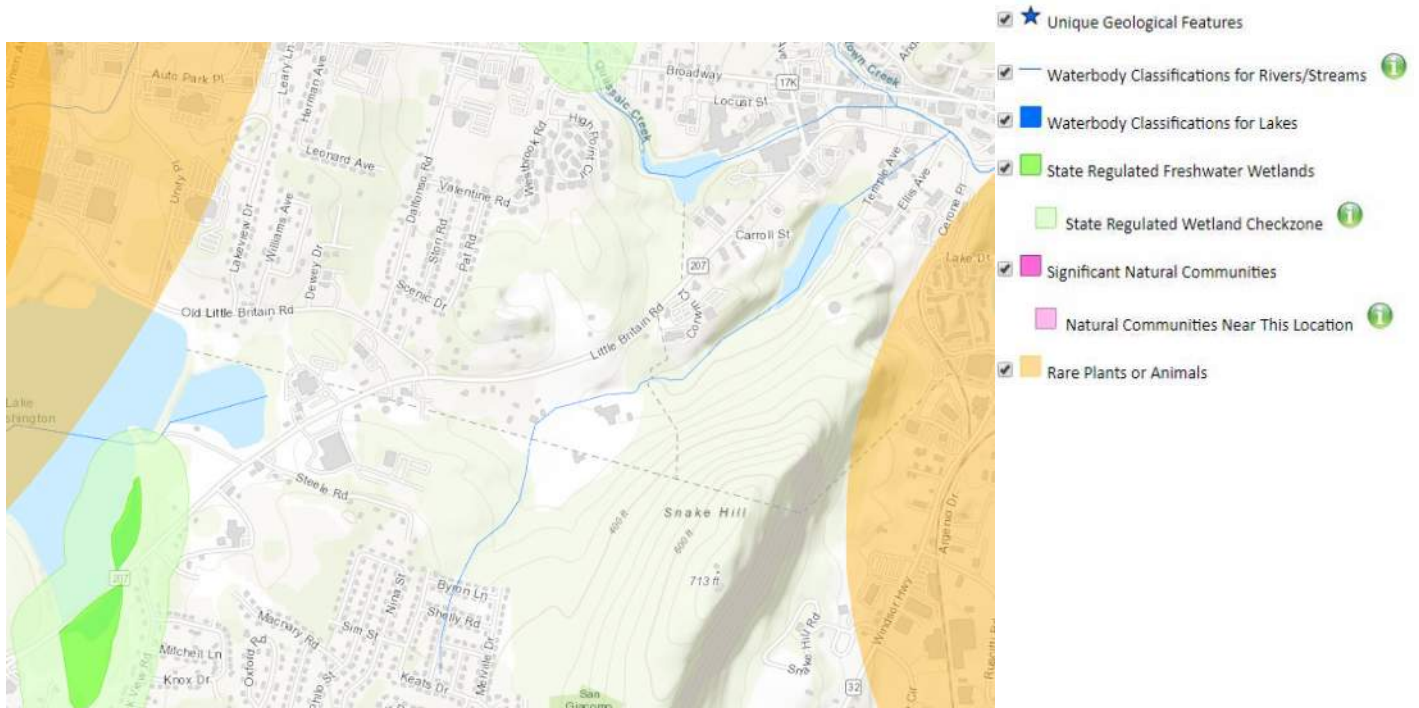
5. Sole Source, Primary, and Principal Aquifers (<https://ny.water.usgs.gov/maps/aquifer/>)

a. Conclusion: No aquifers located near the proposed site



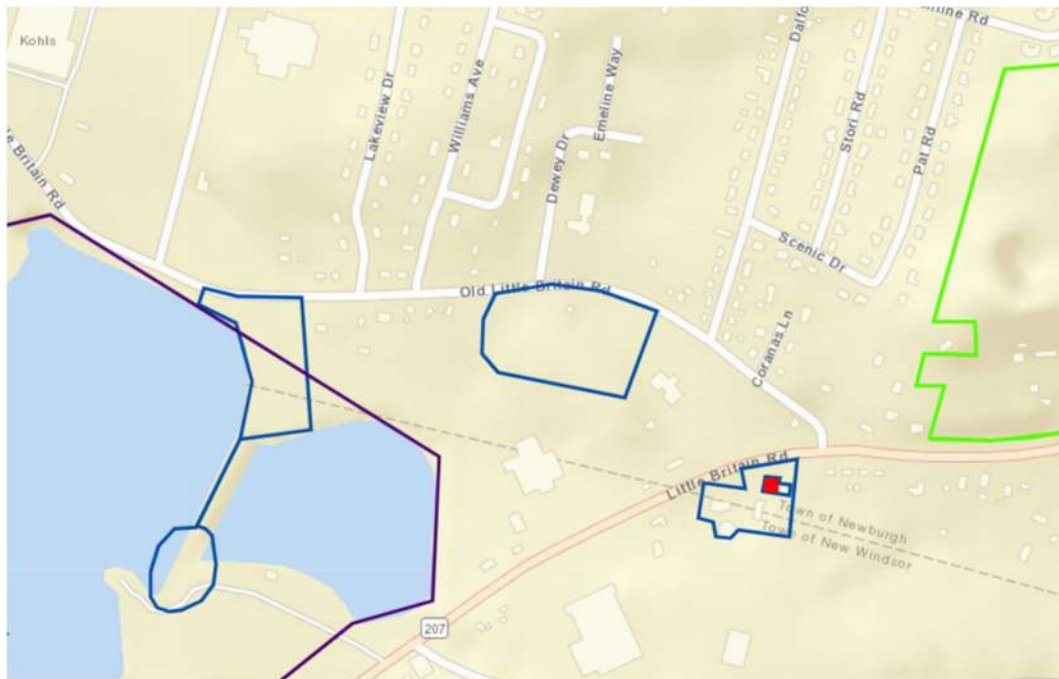
6. NYSDEC's Environmental Resource Mapper (<http://www.dec.ny.gov/gis/erm/>)

a. Conclusion: The site contains no significant natural communities, wetlands, or rare plants or animals.



7. Cultural Resources Information System (<http://cris.parks.ny.gov/>)

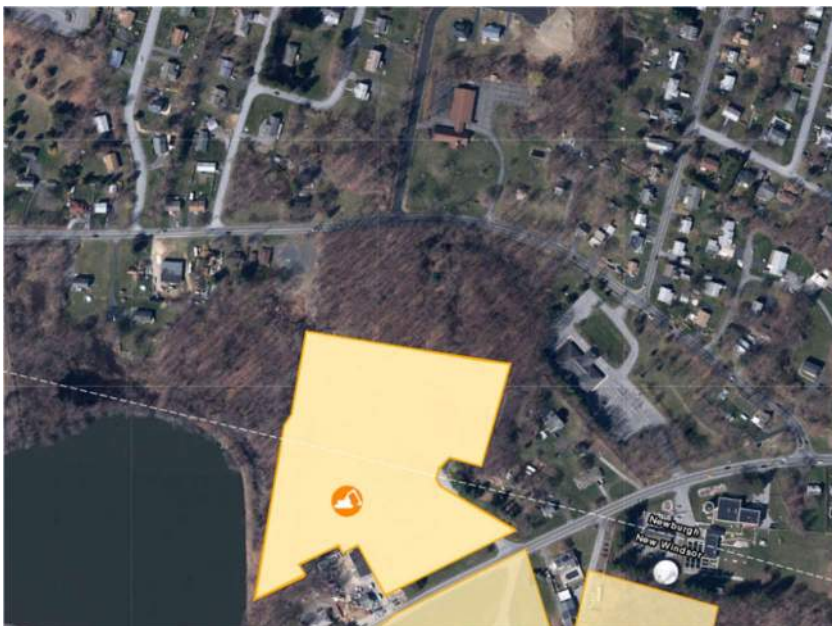
- a. Conclusion: There are no documented historical facilities on or adjacent to the project site.



- USN Building Points (View)
 - Eligible
 - Listed
 - Not Eligible
 - Not Eligible - Demolished
 - Undetermined
- National Register Building Sites (View)
- Survey Building Areas (View)
- USN Building Districts (View)
- Survey Archaeology Areas (View)
- Consultation Projects (View)
- Archeologically Sensitive Areas

8. NYSDEC's Info Locator Map (<http://www.dec.ny.gov/gis/facilities>)

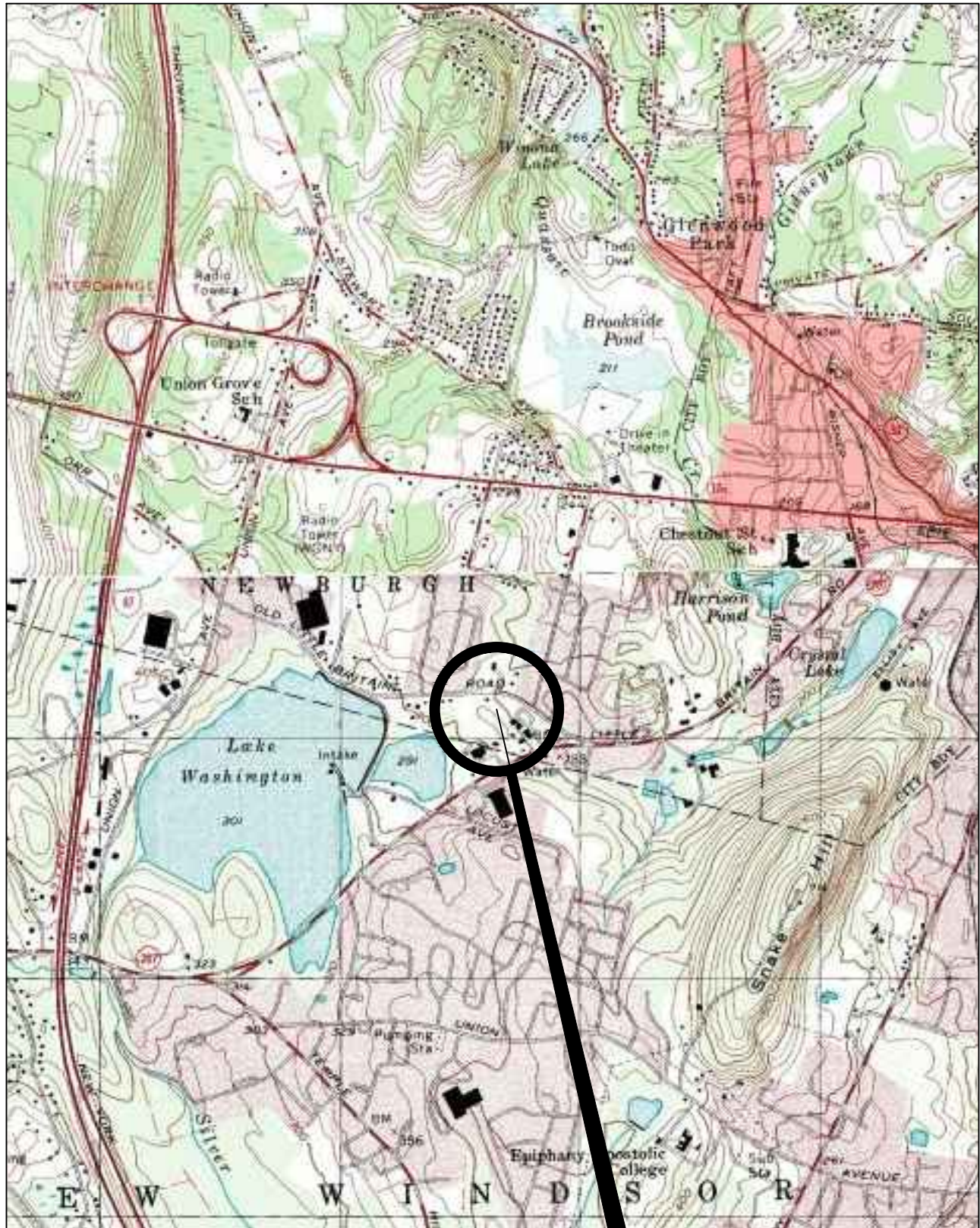
- a. Conclusion:
 - i. The property directly adjacent to the south is a closed cleanup site.



- Remediation Parcels
- Remediation Sites

APPENDIX I:

Figures



PROJECT LOCATION

GPI GREENMAN-PEDERSEN, INC. CONSULTING ENGINEERS 80 WOLF ROAD, SUITE 300 ALBANY, NY 12205	NEW KINGDOM HALL FOR JEHOVA'S WITNESSES NEWBURGH, NY		
	KINGDOM HALL OF JEHOVA'S WITNESSES 33 OLD LITTLE BRITAIN ROAD, TOWN OF NEWBURGH, NY LOCATION MAP		
JOB NO. ALB2020015.00	SCALE NO SCALE	DATE 04/13/2020	FIGURE NO. 1



Stormwater Interactive Map

Base Map: Satellite with Labels

[Using this map](#)

Search

Tools



Measurement Tool

| Acres

Measurement Result

7.25 Acres

[Clear Result](#)

Permit Related Layers

Other Useful Reference Layers

General Permit Information

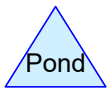
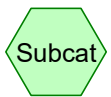
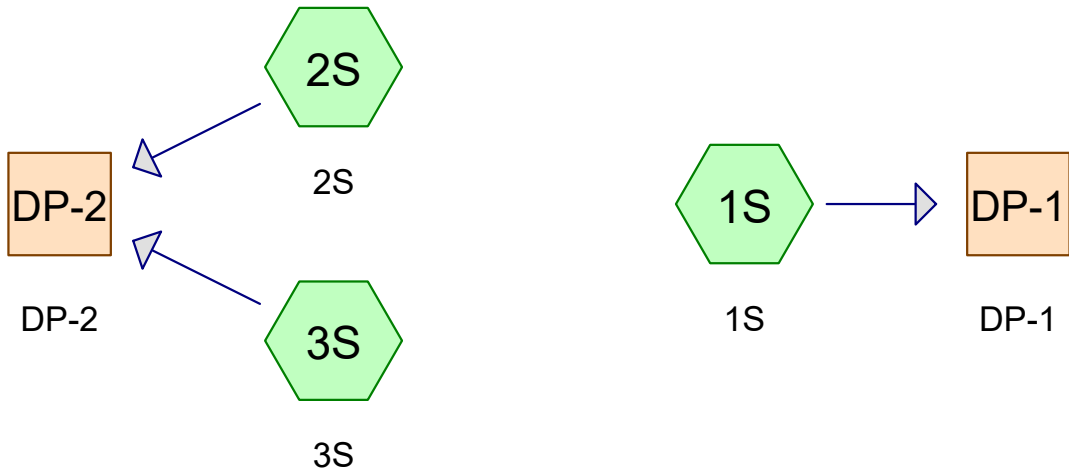
Project Information

Contacts



APPENDIX J:

Pre-Development Drainage and HydroCAD Calculations



Predevelopment Watershed

Prepared by Greenman-Pedersen, Inc

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Page 2

Area Listing (all nodes)

Area (acres)	CN	Description (subcatchment-numbers)
0.240	98	Paved parking, HSG B (1S)
5.860	60	Woods, Fair, HSG B (1S, 2S, 3S)
0.070	79	Woods, Fair, HSG D (3S)
0.650	77	Woods, Good, HSG D (1S)
6.820	63	TOTAL AREA

Predevelopment Watershed

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Page 3

Soil Listing (all nodes)

Area (acres)	Soil Group	Subcatchment Numbers
0.000	HSG A	
6.100	HSG B	1S, 2S, 3S
0.000	HSG C	
0.720	HSG D	1S, 3S
0.000	Other	
6.820		TOTAL AREA

Predevelopment Watershed

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Ground Covers (all nodes)

HSG-A (acres)	HSG-B (acres)	HSG-C (acres)	HSG-D (acres)	Other (acres)	Total (acres)	Ground Cover	Subcatchment Numbers
0.000	0.240	0.000	0.000	0.000	0.240	Paved parking	1S
0.000	5.860	0.000	0.070	0.000	5.930	Woods, Fair	1S, 2S, 3S
0.000	0.000	0.000	0.650	0.000	0.650	Woods, Good	1S
0.000	6.100	0.000	0.720	0.000	6.820	TOTAL AREA	

Predevelopment Watershed

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NY-JW NEWBURGH 24-hr S1 10-yr Rainfall=4.70"

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Summary for Subcatchment 1S: 1S

Runoff = 4.67 cfs @ 12.21 hrs, Volume= 0.523 af, Depth= 1.39"
 Routed to Reach DP-1 : DP-1

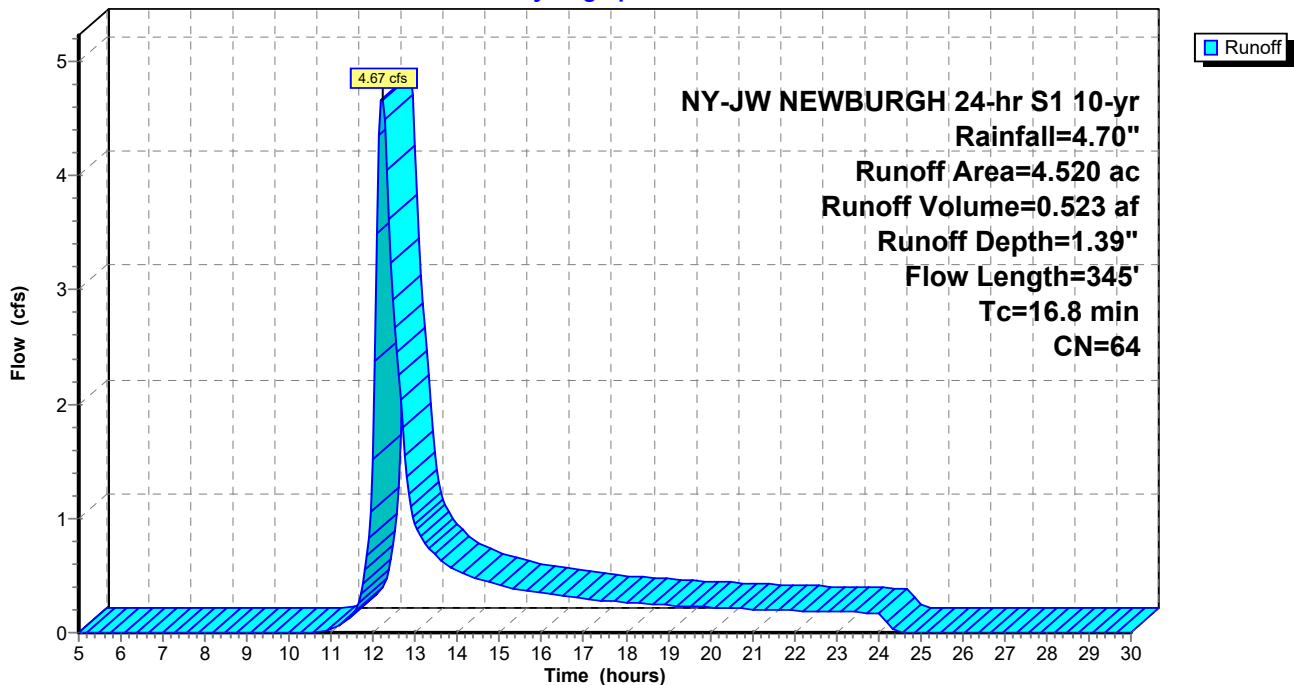
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-30.00 hrs, dt= 0.05 hrs
 NY-JW NEWBURGH 24-hr S1 10-yr Rainfall=4.70"

Area (ac)	CN	Description
3.630	60	Woods, Fair, HSG B
0.240	98	Paved parking, HSG B
0.650	77	Woods, Good, HSG D
4.520	64	Weighted Average
4.280		94.69% Pervious Area
0.240		5.31% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
13.9	100	0.0600	0.12		Sheet Flow, Woods: Light underbrush n= 0.400 P2= 3.15"
1.2	136	0.1470	1.92		Shallow Concentrated Flow, Woodland Kv= 5.0 fps
1.7	109	0.0460	1.07		Shallow Concentrated Flow, Woodland Kv= 5.0 fps
16.8	345	Total			

Subcatchment 1S: 1S

Hydrograph



Predevelopment Watershed

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NY-JW NEWBURGH 24-hr S1 10-yr Rainfall=4.70"

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Summary for Subcatchment 2S: 2S

Runoff = 0.97 cfs @ 12.24 hrs, Volume= 0.122 af, Depth= 1.13"
 Routed to Reach DP-2 : DP-2

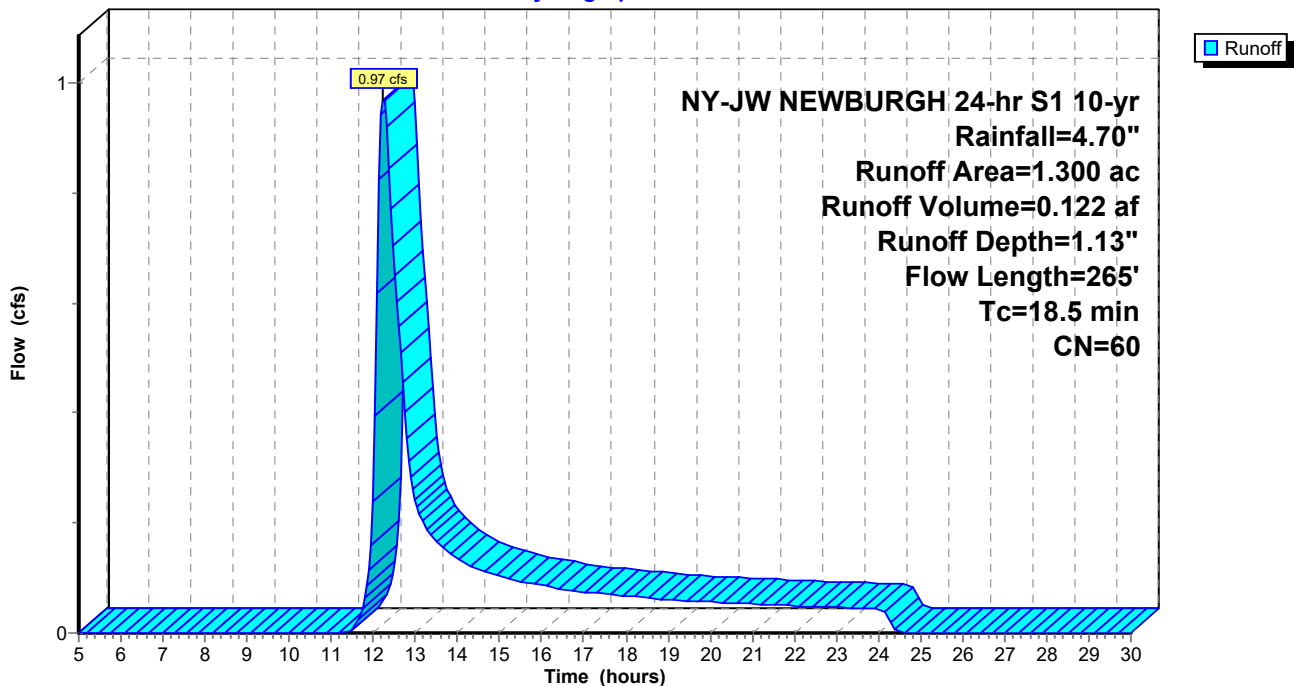
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-30.00 hrs, dt= 0.05 hrs
 NY-JW NEWBURGH 24-hr S1 10-yr Rainfall=4.70"

Area (ac)	CN	Description
1.300	60	Woods, Fair, HSG B
1.300		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
16.4	100	0.0400	0.10		Sheet Flow, Woods: Light underbrush n= 0.400 P2= 3.15"
2.1	165	0.0670	1.29		Shallow Concentrated Flow, Woodland Kv= 5.0 fps
18.5	265	Total			

Subcatchment 2S: 2S

Hydrograph



Predevelopment Watershed

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NY-JW NEWBURGH 24-hr S1 10-yr Rainfall=4.70"

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Summary for Subcatchment 3S: 3S

Runoff = 0.69 cfs @ 12.35 hrs, Volume= 0.099 af, Depth= 1.19"
 Routed to Reach DP-2 : DP-2

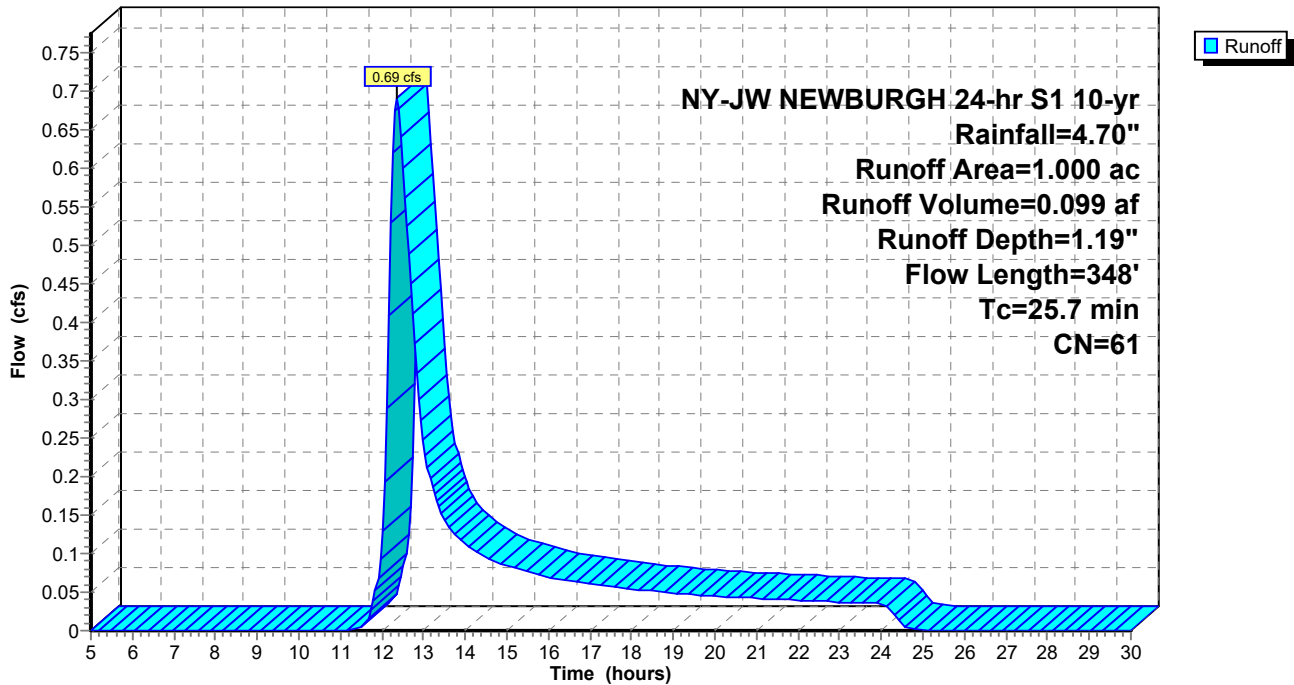
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-30.00 hrs, dt= 0.05 hrs
 NY-JW NEWBURGH 24-hr S1 10-yr Rainfall=4.70"

Area (ac)	CN	Description
0.930	60	Woods, Fair, HSG B
0.070	79	Woods, Fair, HSG D
1.000	61	Weighted Average
1.000		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
21.6	100	0.0200	0.08		Sheet Flow, Woods: Light underbrush n= 0.400 P2= 3.15"
4.1	248	0.0400	1.00		Shallow Concentrated Flow, Woodland Kv= 5.0 fps
25.7	348	Total			

Subcatchment 3S: 3S

Hydrograph



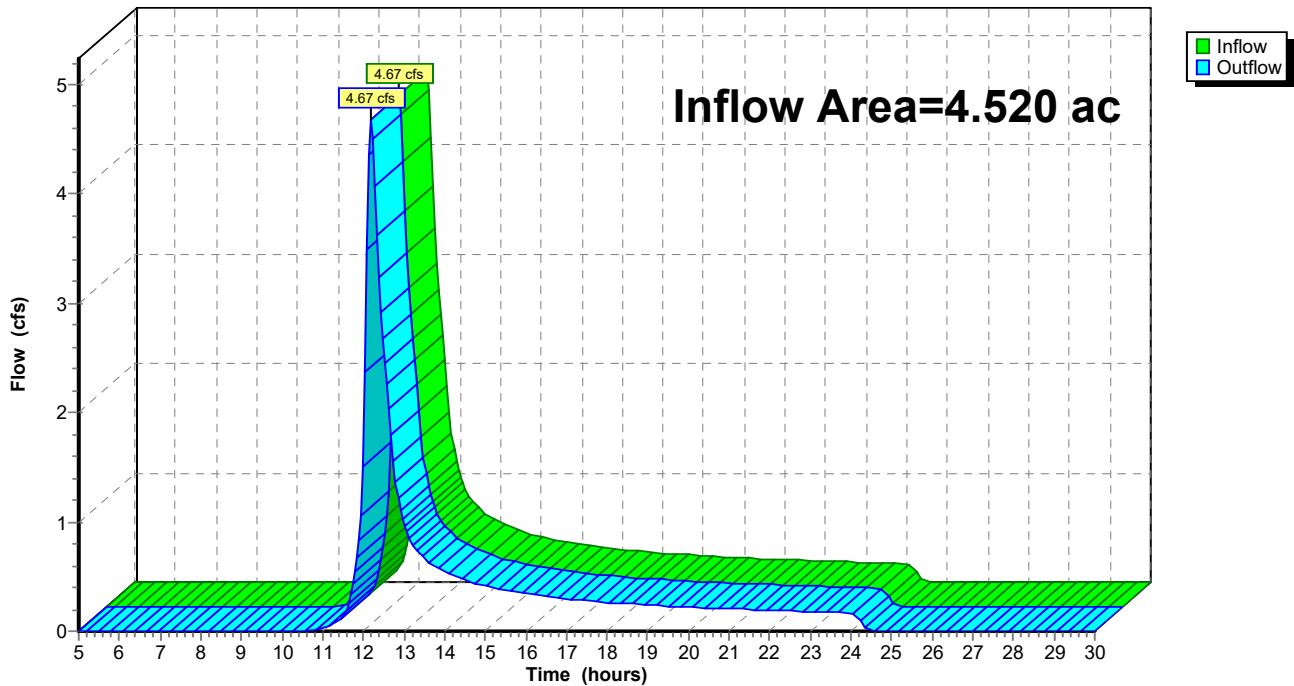
Summary for Reach DP-1: DP-1

Inflow Area = 4.520 ac, 5.31% Impervious, Inflow Depth = 1.39" for 10-yr event
Inflow = 4.67 cfs @ 12.21 hrs, Volume= 0.523 af
Outflow = 4.67 cfs @ 12.21 hrs, Volume= 0.523 af, Atten= 0%, Lag= 0.0 min

Routing by Stor-Ind+Trans method, Time Span= 5.00-30.00 hrs, dt= 0.05 hrs

Reach DP-1: DP-1

Hydrograph



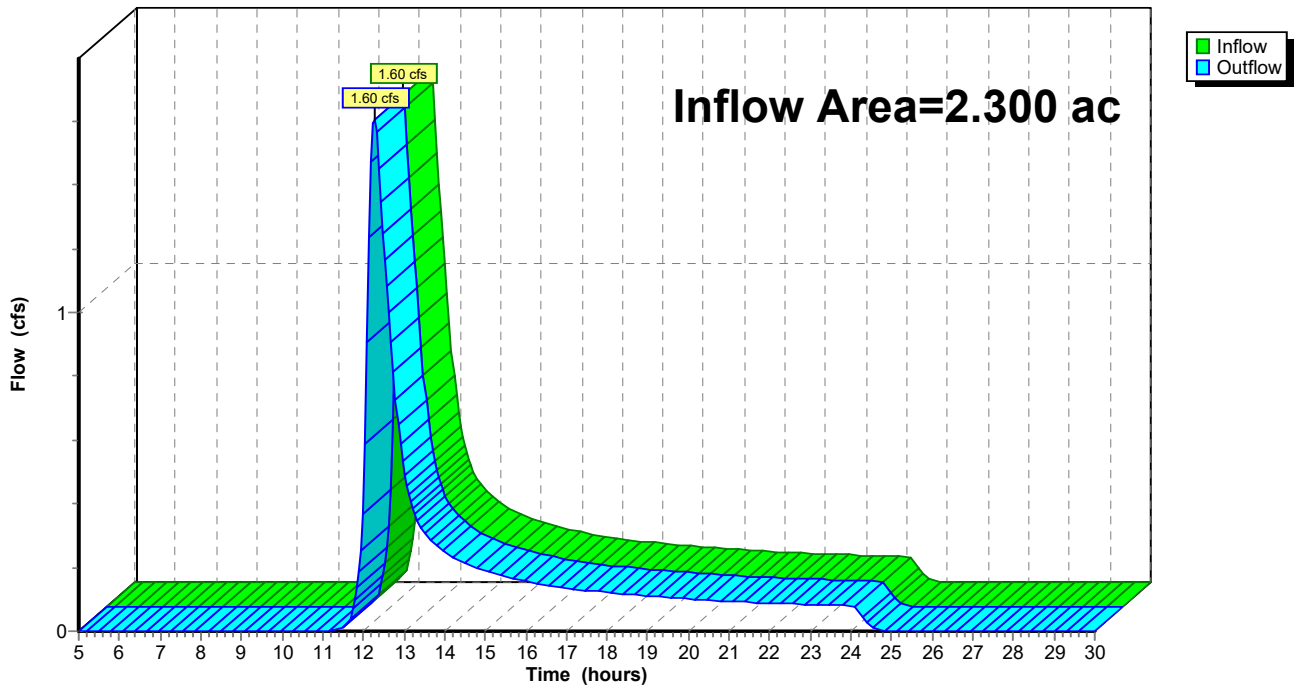
Summary for Reach DP-2: DP-2

Inflow Area = 2.300 ac, 0.00% Impervious, Inflow Depth = 1.16" for 10-yr event
Inflow = 1.60 cfs @ 12.28 hrs, Volume= 0.222 af
Outflow = 1.60 cfs @ 12.28 hrs, Volume= 0.222 af, Atten= 0%, Lag= 0.0 min

Routing by Stor-Ind+Trans method, Time Span= 5.00-30.00 hrs, dt= 0.05 hrs

Reach DP-2: DP-2

Hydrograph



Predevelopment Watershed

NY-JW NEWBURGH 24-hr S1 100-yr Rainfall=8.38"

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Summary for Subcatchment 1S: 1S

Runoff = 14.02 cfs @ 12.19 hrs, Volume= 1.539 af, Depth= 4.09"
 Routed to Reach DP-1 : DP-1

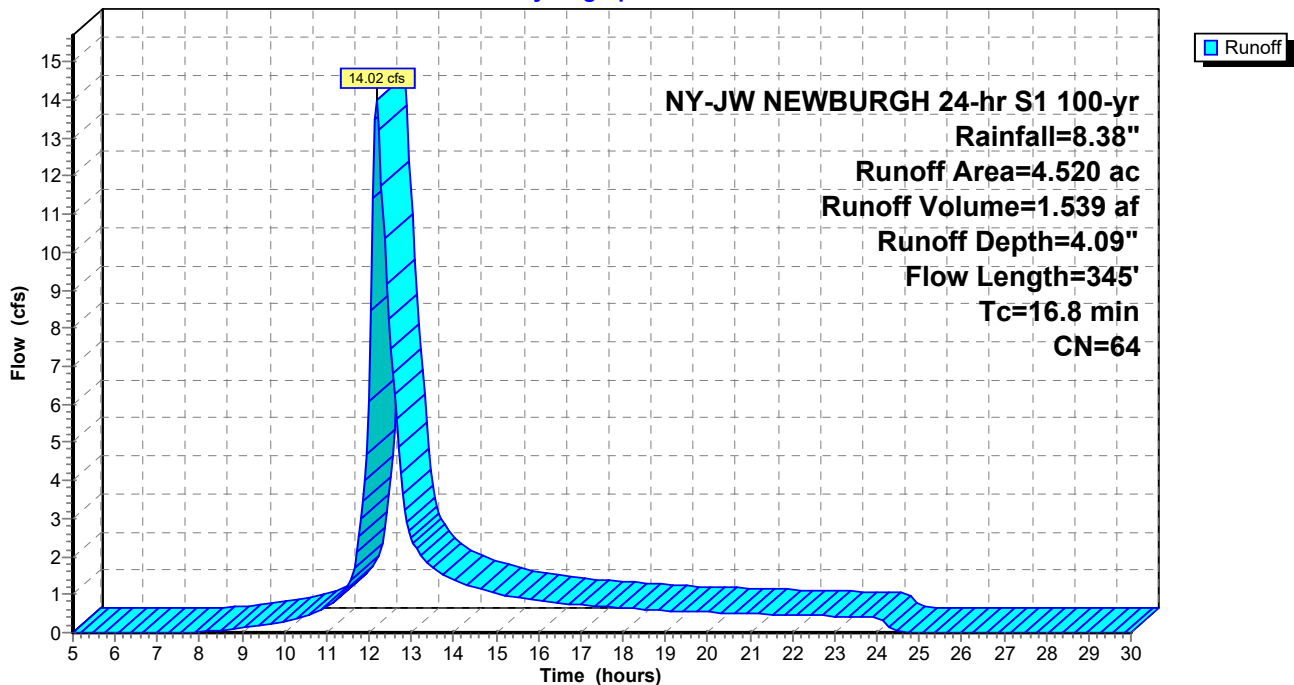
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-30.00 hrs, dt= 0.05 hrs
 NY-JW NEWBURGH 24-hr S1 100-yr Rainfall=8.38"

Area (ac)	CN	Description
3.630	60	Woods, Fair, HSG B
0.240	98	Paved parking, HSG B
0.650	77	Woods, Good, HSG D
4.520	64	Weighted Average
4.280		94.69% Pervious Area
0.240		5.31% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
13.9	100	0.0600	0.12		Sheet Flow, Woods: Light underbrush n= 0.400 P2= 3.15"
1.2	136	0.1470	1.92		Shallow Concentrated Flow, Woodland Kv= 5.0 fps
1.7	109	0.0460	1.07		Shallow Concentrated Flow, Woodland Kv= 5.0 fps
16.8	345	Total			

Subcatchment 1S: 1S

Hydrograph



Predevelopment Watershed

NY-JW NEWBURGH 24-hr S1 100-yr Rainfall=8.38"

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Summary for Subcatchment 2S: 2S

Runoff = 3.39 cfs @ 12.22 hrs, Volume= 0.392 af, Depth= 3.62"
 Routed to Reach DP-2 : DP-2

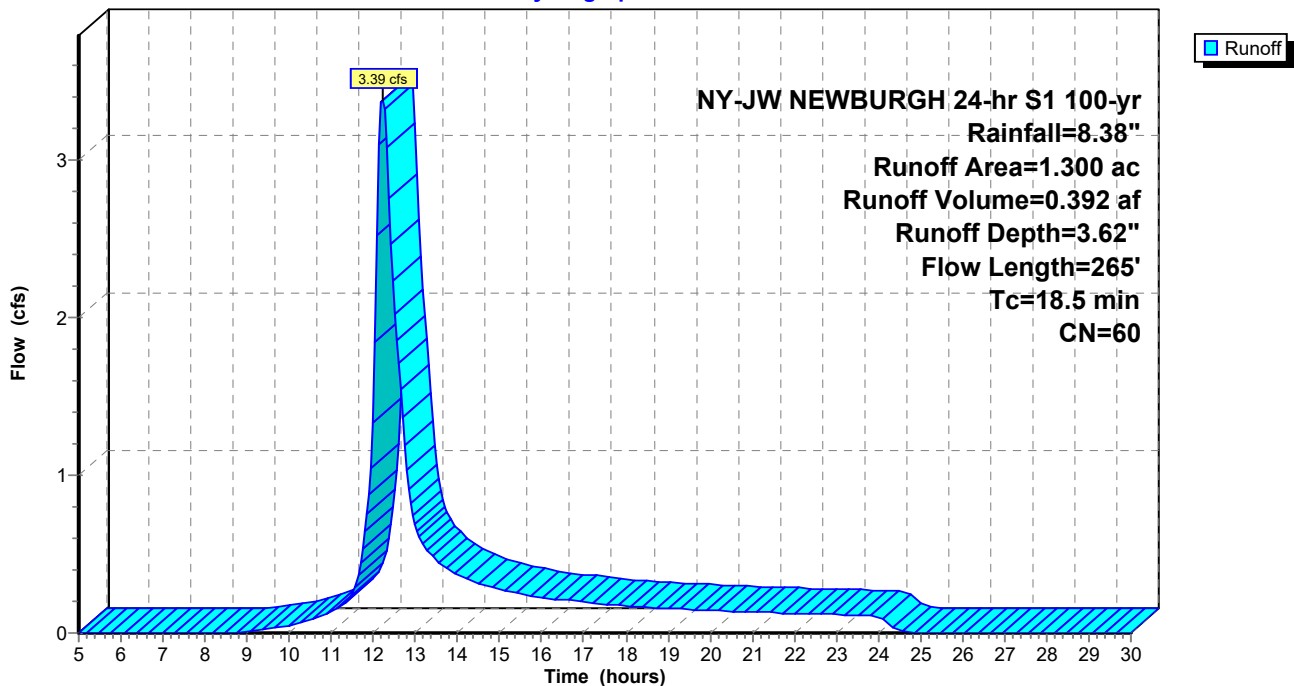
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-30.00 hrs, dt= 0.05 hrs
 NY-JW NEWBURGH 24-hr S1 100-yr Rainfall=8.38"

Area (ac)	CN	Description
1.300	60	Woods, Fair, HSG B
1.300		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
16.4	100	0.0400	0.10		Sheet Flow, Woods: Light underbrush n= 0.400 P2= 3.15"
2.1	165	0.0670	1.29		Shallow Concentrated Flow, Woodland Kv= 5.0 fps
18.5	265	Total			

Subcatchment 2S: 2S

Hydrograph



Predevelopment Watershed

NY-JW NEWBURGH 24-hr S1 100-yr Rainfall=8.38"

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Summary for Subcatchment 3S: 3S

Runoff = 2.33 cfs @ 12.32 hrs, Volume= 0.311 af, Depth= 3.74"
 Routed to Reach DP-2 : DP-2

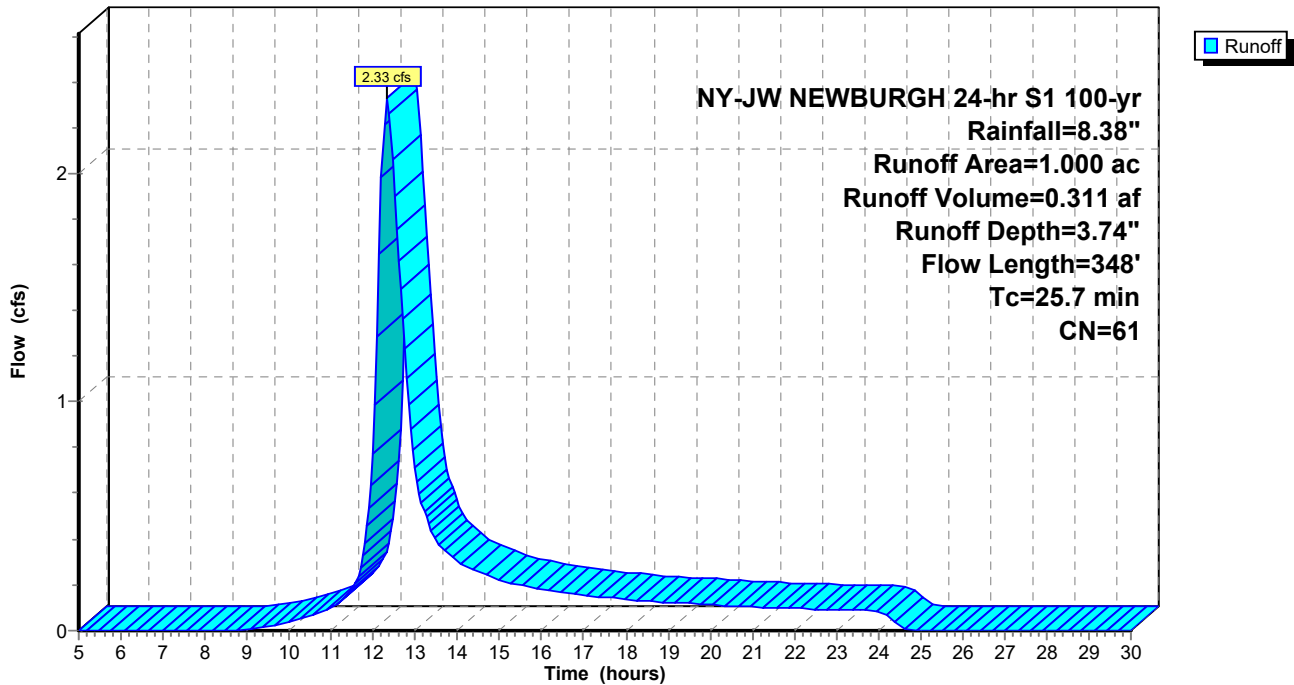
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-30.00 hrs, dt= 0.05 hrs
 NY-JW NEWBURGH 24-hr S1 100-yr Rainfall=8.38"

Area (ac)	CN	Description
0.930	60	Woods, Fair, HSG B
0.070	79	Woods, Fair, HSG D
1.000	61	Weighted Average
1.000		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
21.6	100	0.0200	0.08		Sheet Flow, Woods: Light underbrush n= 0.400 P2= 3.15"
4.1	248	0.0400	1.00		Shallow Concentrated Flow, Woodland Kv= 5.0 fps
25.7	348	Total			

Subcatchment 3S: 3S

Hydrograph



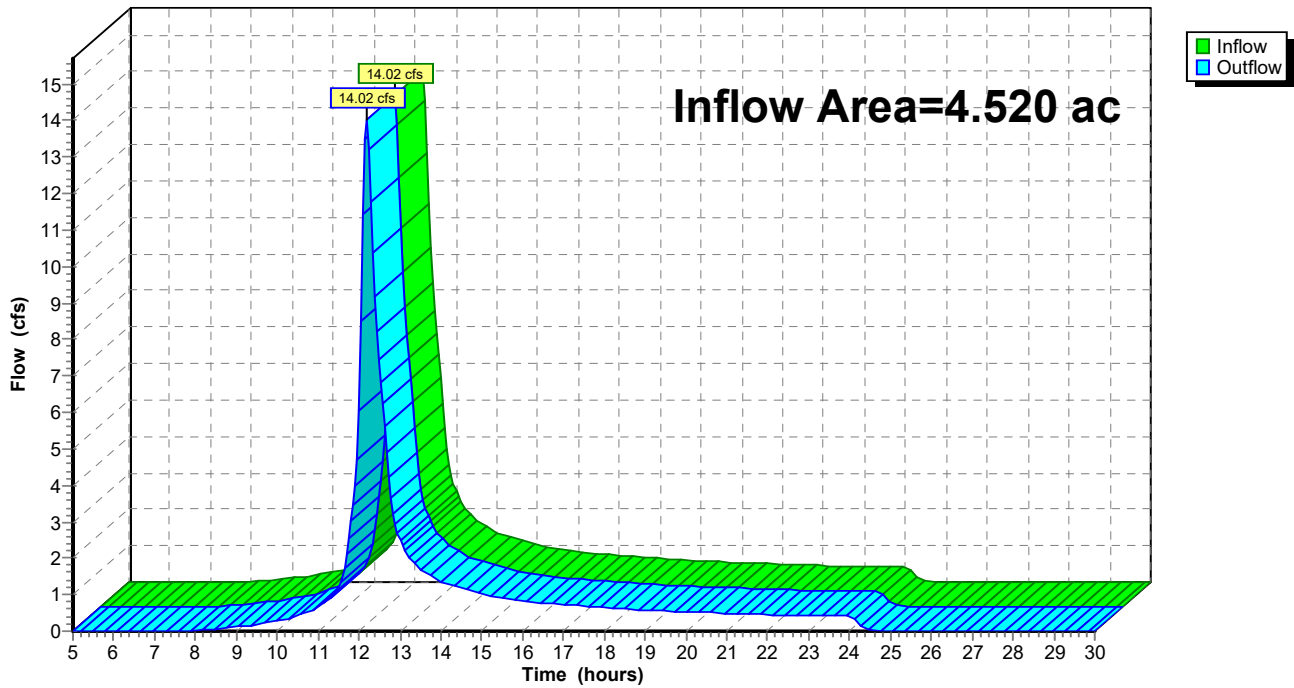
Summary for Reach DP-1: DP-1

Inflow Area = 4.520 ac, 5.31% Impervious, Inflow Depth = 4.09" for 100-yr event
Inflow = 14.02 cfs @ 12.19 hrs, Volume= 1.539 af
Outflow = 14.02 cfs @ 12.19 hrs, Volume= 1.539 af, Atten= 0%, Lag= 0.0 min

Routing by Stor-Ind+Trans method, Time Span= 5.00-30.00 hrs, dt= 0.05 hrs

Reach DP-1: DP-1

Hydrograph



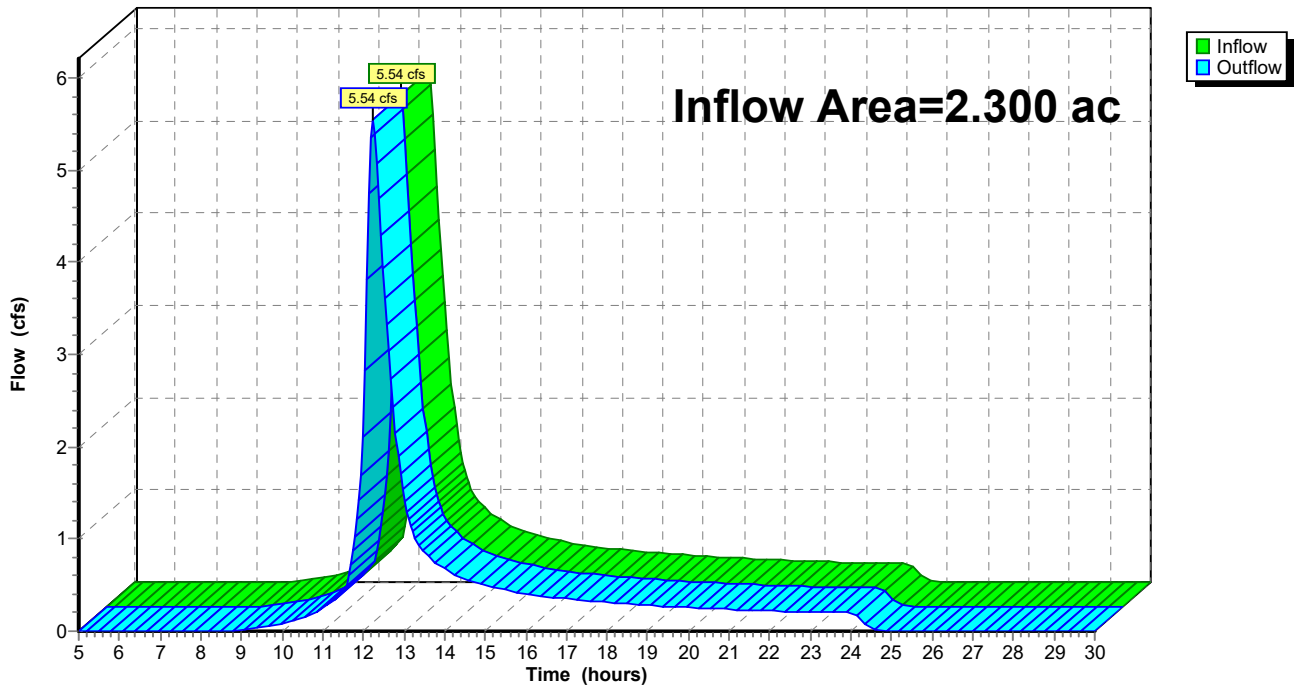
Summary for Reach DP-2: DP-2

Inflow Area = 2.300 ac, 0.00% Impervious, Inflow Depth = 3.67" for 100-yr event
Inflow = 5.54 cfs @ 12.25 hrs, Volume= 0.704 af
Outflow = 5.54 cfs @ 12.25 hrs, Volume= 0.704 af, Atten= 0%, Lag= 0.0 min

Routing by Stor-Ind+Trans method, Time Span= 5.00-30.00 hrs, dt= 0.05 hrs

Reach DP-2: DP-2

Hydrograph



Predevelopment Watershed

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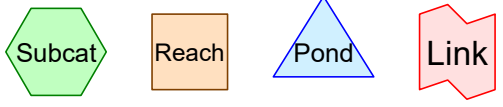
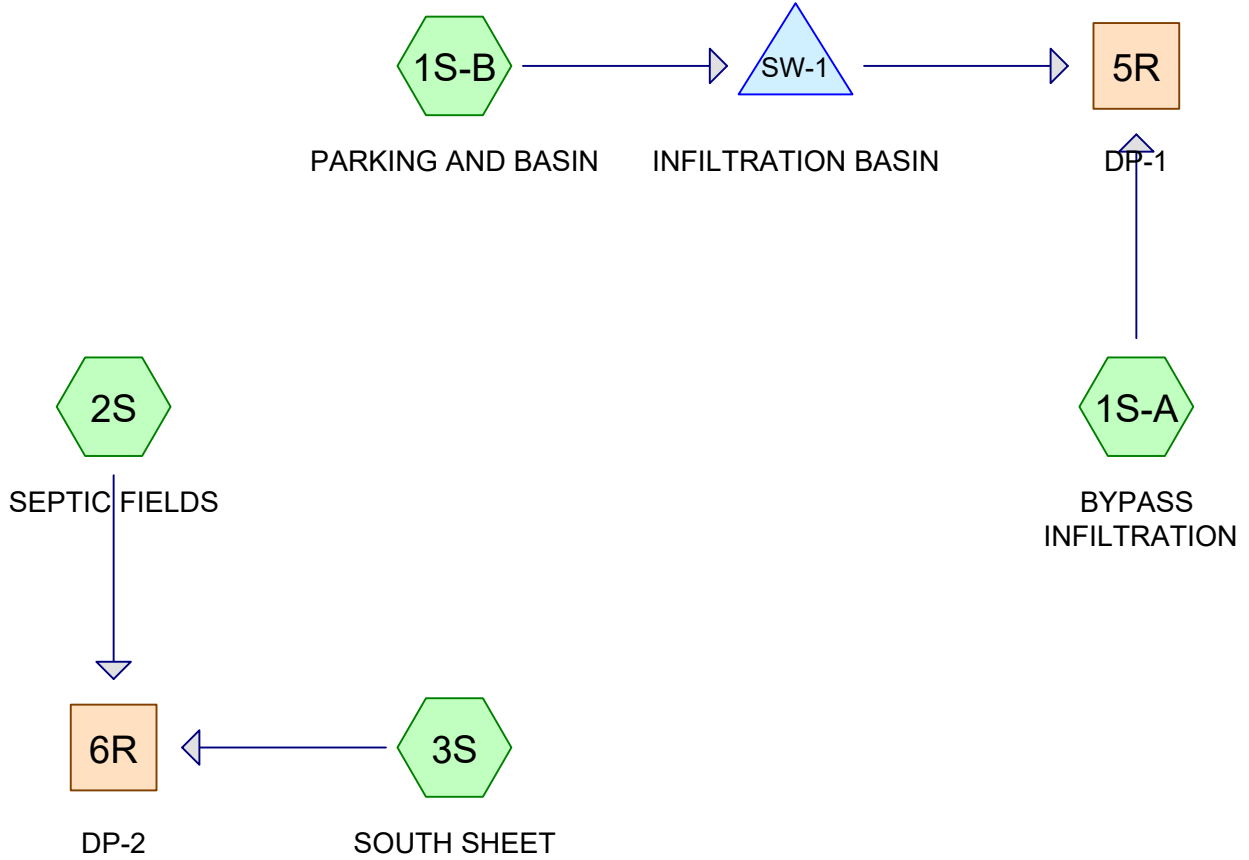
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100-yr Event

- 10 Subcat 1S: 1S
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APPENDIX K:

Post-Development Drainage and HydroCAD Calculations



Postdevelopment Watershed

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Area Listing (all nodes)

Area (acres)	CN	Description (subcatchment-numbers)
1.455	61	>75% Grass cover, Good, HSG B (1S-A, 1S-B, 2S)
0.315	80	>75% Grass cover, Good, HSG D (1S-A, 1S-B)
0.575	98	Paved parking, HSG B (1S-B)
0.273	98	Paved parking, HSG D (1S-A)
0.113	98	Roofs, HSG D (1S-B)
3.728	60	Woods, Fair, HSG B (1S-A, 2S, 3S)
0.350	79	Woods, Fair, HSG D (1S-A, 3S)
6.809	67	TOTAL AREA

Postdevelopment Watershed

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Soil Listing (all nodes)

Area (acres)	Soil Group	Subcatchment Numbers
0.000	HSG A	
5.759	HSG B	1S-A, 1S-B, 2S, 3S
0.000	HSG C	
1.051	HSG D	1S-A, 1S-B, 3S
0.000	Other	
6.809		TOTAL AREA

Postdevelopment Watershed

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Ground Covers (all nodes)

HSG-A (acres)	HSG-B (acres)	HSG-C (acres)	HSG-D (acres)	Other (acres)	Total (acres)	Ground Cover	Subcatchment Numbers
0.000	1.455	0.000	0.315	0.000	1.770	>75% Grass cover, Good	1S-A, 1S-B, 2S
0.000	0.575	0.000	0.273	0.000	0.849	Paved parking	1S-A, 1S-B
0.000	0.000	0.000	0.113	0.000	0.113	Roofs	1S-B
0.000	3.728	0.000	0.350	0.000	4.078	Woods, Fair	1S-A, 2S, 3S
0.000	5.759	0.000	1.051	0.000	6.809	TOTAL AREA	

Postdevelopment Watershed

NY-JW NEWBURGH 24-hr S1 10-yr Rainfall=4.70"

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Summary for Subcatchment 1S-A: BYPASS INFILTRATION

Runoff = 3.96 cfs @ 12.22 hrs, Volume= 0.448 af, Depth= 1.46"
 Routed to Reach 5R : DP-1

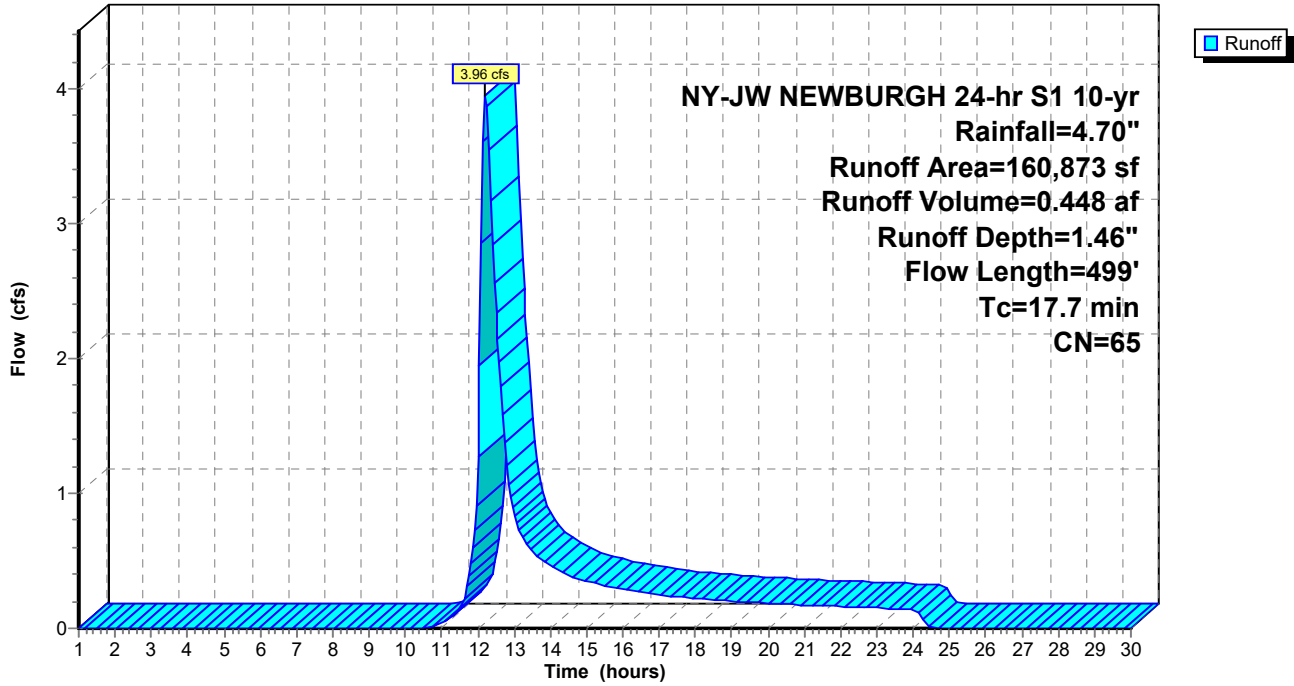
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-30.00 hrs, dt= 0.05 hrs
 NY-JW NEWBURGH 24-hr S1 10-yr Rainfall=4.70"

Area (sf)	CN	Description
88,209	60	Woods, Fair, HSG B
12,189	79	Woods, Fair, HSG D
40,963	61	>75% Grass cover, Good, HSG B
7,600	80	>75% Grass cover, Good, HSG D
11,912	98	Paved parking, HSG D
160,873	65	Weighted Average
148,961		92.60% Pervious Area
11,912		7.40% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
13.9	100	0.0600	0.12		Sheet Flow, Woods: Light underbrush n= 0.400 P2= 3.15"
1.1	136	0.1617	2.01		Shallow Concentrated Flow, SHALLOW CONC Woodland Kv= 5.0 fps
2.7	263	0.0114	1.60		Shallow Concentrated Flow, SHALLOW CONC FLOW Grassed Waterway Kv= 15.0 fps
17.7	499	Total			

Subcatchment 1S-A: BYPASS INFILTRATION

Hydrograph



Postdevelopment Watershed

NY-JW NEWBURGH 24-hr S1 10-yr Rainfall=4.70"

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Summary for Subcatchment 1S-B: PARKING AND BASIN

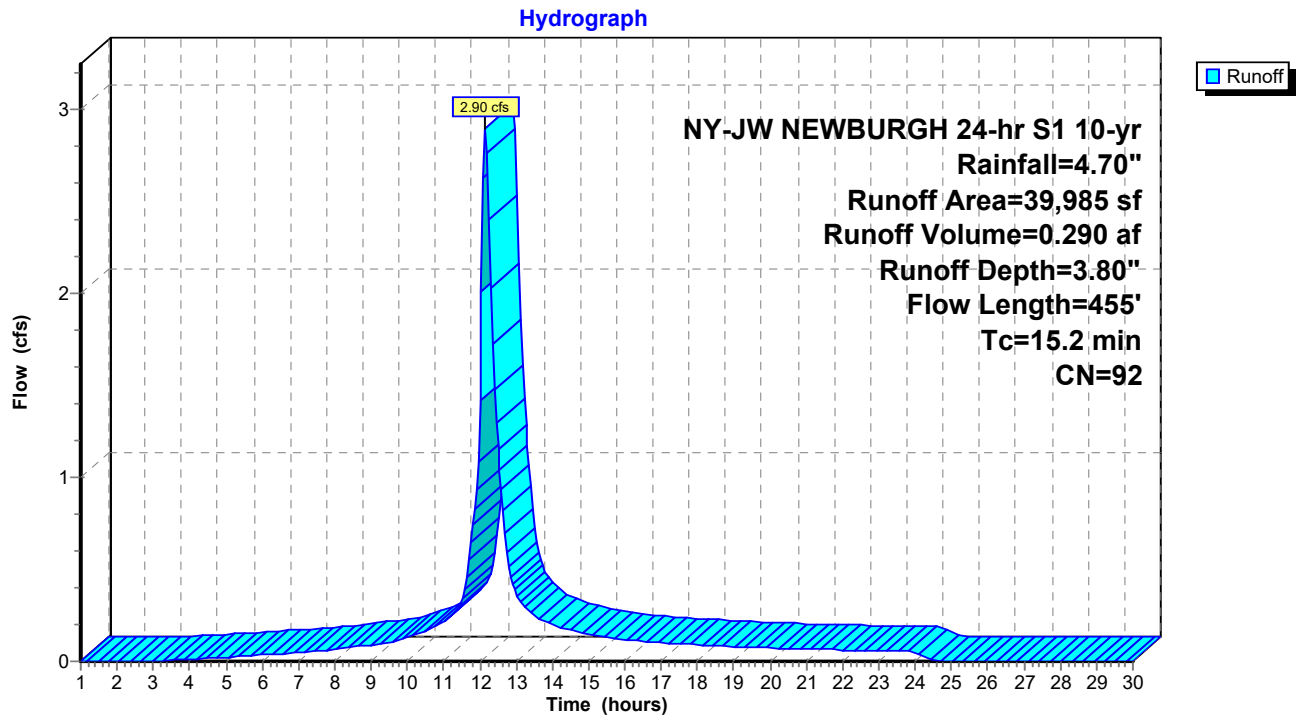
Runoff = 2.90 cfs @ 12.16 hrs, Volume= 0.290 af, Depth= 3.80"
 Routed to Pond SW-1 : INFILTRATION BASIN

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-30.00 hrs, dt= 0.05 hrs
 NY-JW NEWBURGH 24-hr S1 10-yr Rainfall=4.70"

Area (sf)	CN	Description
3,910	61	>75% Grass cover, Good, HSG B
25,053	98	Paved parking, HSG B
6,100	80	>75% Grass cover, Good, HSG D
4,922	98	Roofs, HSG D
39,985	92	Weighted Average
10,010		25.03% Pervious Area
29,975		74.97% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
14.0	60	0.0030	0.07		Sheet Flow, sheet flow Grass: Short n= 0.150 P2= 3.15"
0.7	150	0.0300	3.52		Shallow Concentrated Flow, SHALLOW ACROSS PAVEMENT Paved Kv= 20.3 fps
0.5	245	0.0620	8.52	10.46	Pipe Channel, PIPE FLOW 15.0" Round Area= 1.2 sf Perim= 3.9' r= 0.31' n= 0.020 Corrugated PE, corrugated interior
15.2	455	Total			

Subcatchment 1S-B: PARKING AND BASIN



Summary for Subcatchment 2S: SEPTIC FIELDS

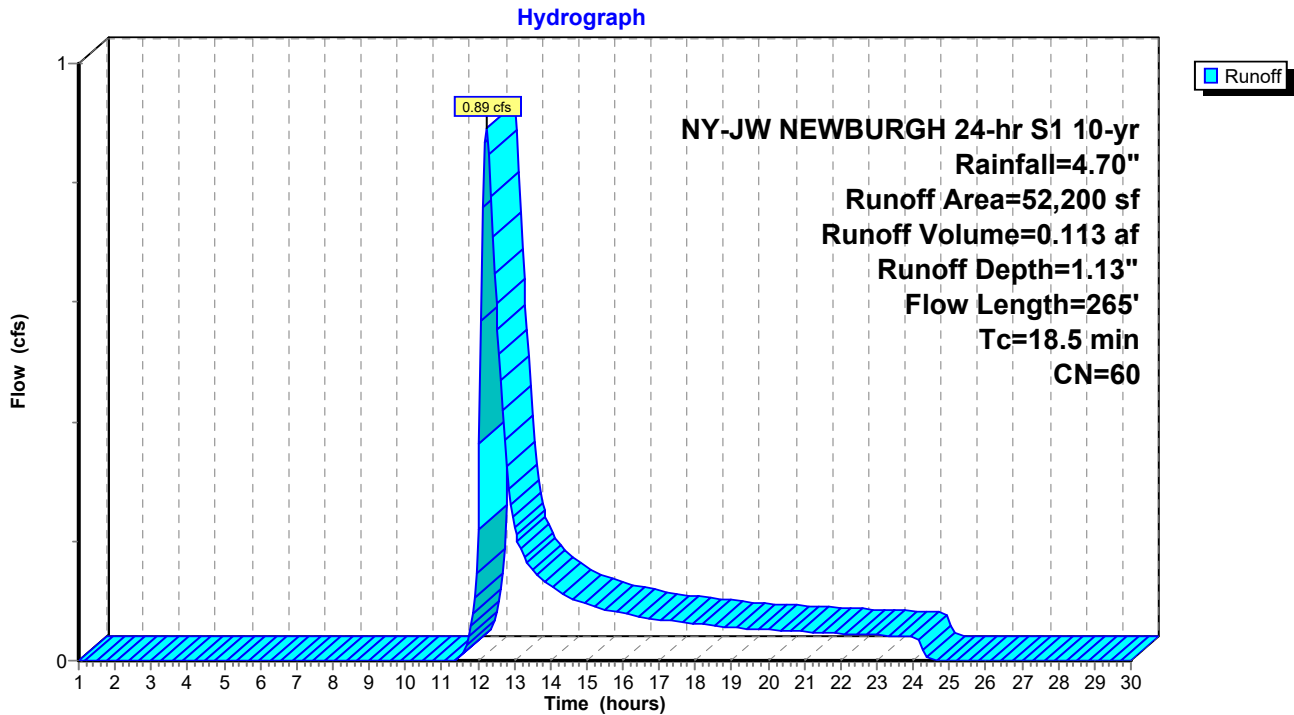
Runoff = 0.89 cfs @ 12.24 hrs, Volume= 0.113 af, Depth= 1.13"
 Routed to Reach 6R : DP-2

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-30.00 hrs, dt= 0.05 hrs
 NY-JW NEWBURGH 24-hr S1 10-yr Rainfall=4.70"

Area (sf)	CN	Description
33,688	60	Woods, Fair, HSG B
18,512	61	>75% Grass cover, Good, HSG B
52,200	60	Weighted Average
52,200		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
16.4	100	0.0400	0.10		Sheet Flow, Woods: Light underbrush n= 0.400 P2= 3.15"
2.1	165	0.0670	1.29		Shallow Concentrated Flow, Woodland Kv= 5.0 fps
18.5	265	Total			

Subcatchment 2S: SEPTIC FIELDS



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NY-JW NEWBURGH 24-hr S1 10-yr Rainfall=4.70"

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Summary for Subcatchment 3S: SOUTH SHEET

Runoff = 0.69 cfs @ 12.35 hrs, Volume= 0.099 af, Depth= 1.19"
 Routed to Reach 6R : DP-2

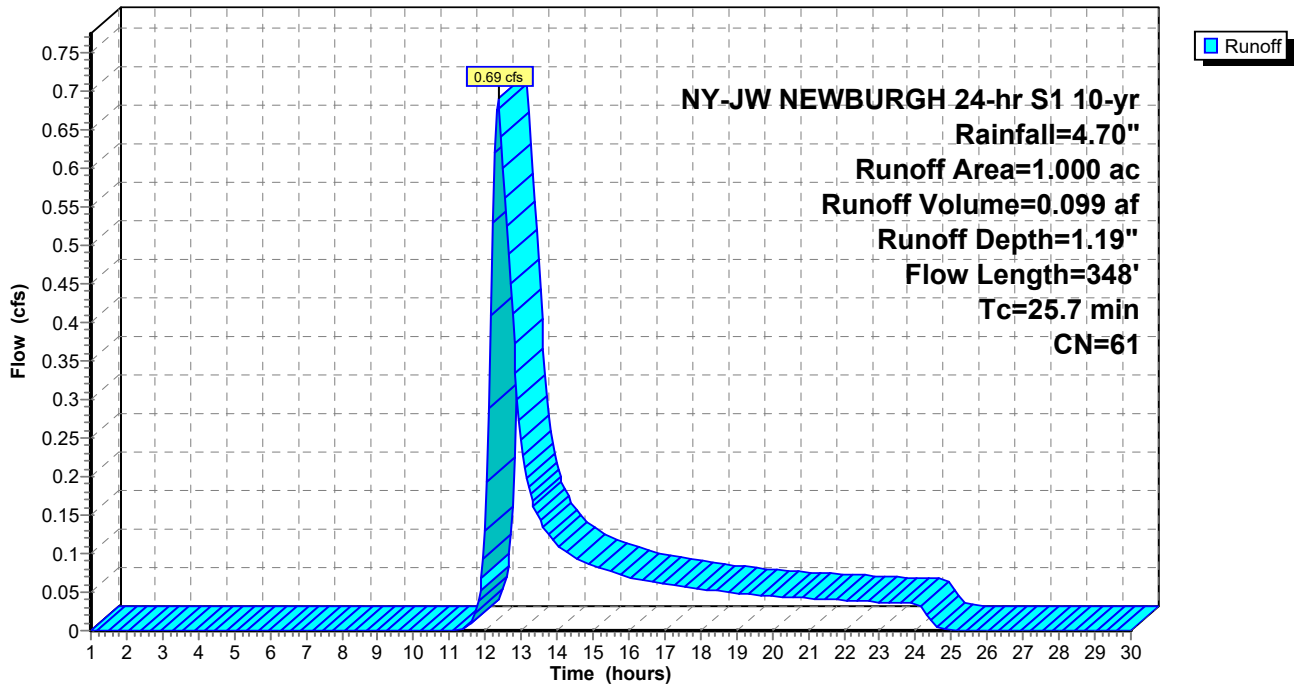
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-30.00 hrs, dt= 0.05 hrs
 NY-JW NEWBURGH 24-hr S1 10-yr Rainfall=4.70"

Area (ac)	CN	Description
0.930	60	Woods, Fair, HSG B
0.070	79	Woods, Fair, HSG D
1.000	61	Weighted Average
1.000		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
21.6	100	0.0200	0.08		Sheet Flow, Woods: Light underbrush n= 0.400 P2= 3.15"
4.1	248	0.0400	1.00		Shallow Concentrated Flow, Woodland Kv= 5.0 fps
25.7	348	Total			

Subcatchment 3S: SOUTH SHEET

Hydrograph



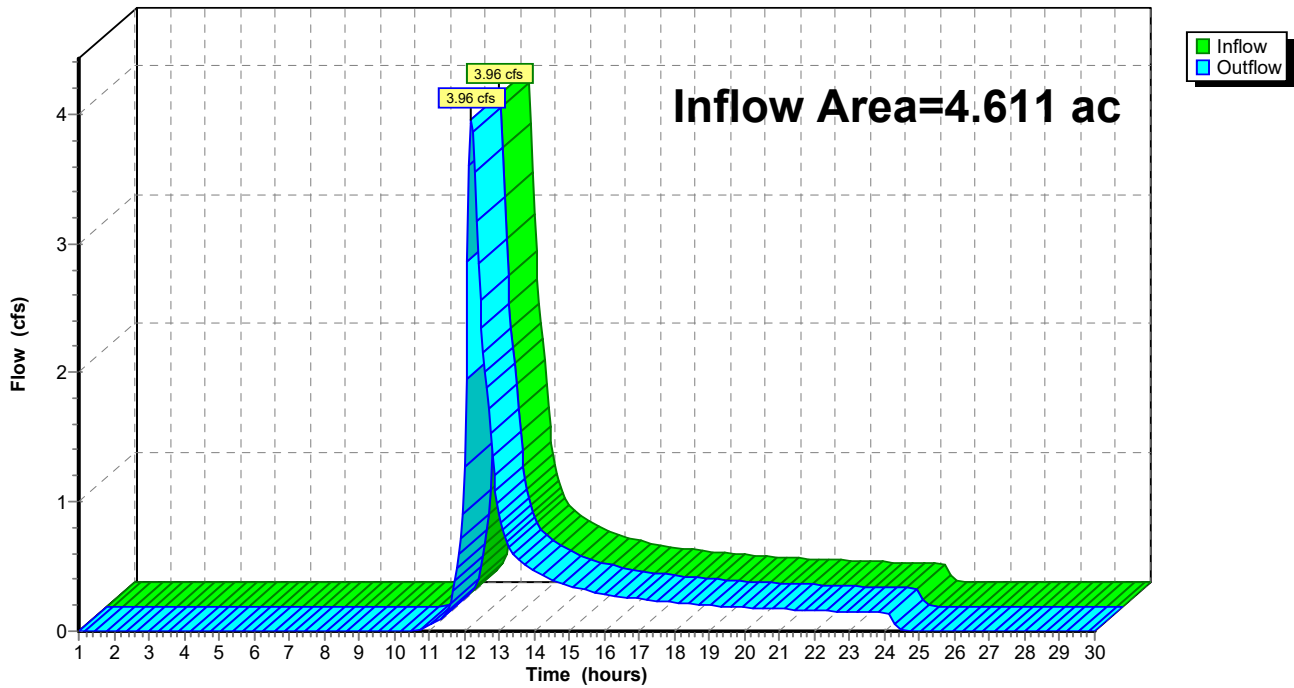
Summary for Reach 5R: DP-1

Inflow Area = 4.611 ac, 20.85% Impervious, Inflow Depth = 1.18" for 10-yr event
Inflow = 3.96 cfs @ 12.22 hrs, Volume= 0.453 af
Outflow = 3.96 cfs @ 12.22 hrs, Volume= 0.453 af, Atten= 0%, Lag= 0.0 min

Routing by Stor-Ind+Trans method, Time Span= 1.00-30.00 hrs, dt= 0.05 hrs

Reach 5R: DP-1

Hydrograph



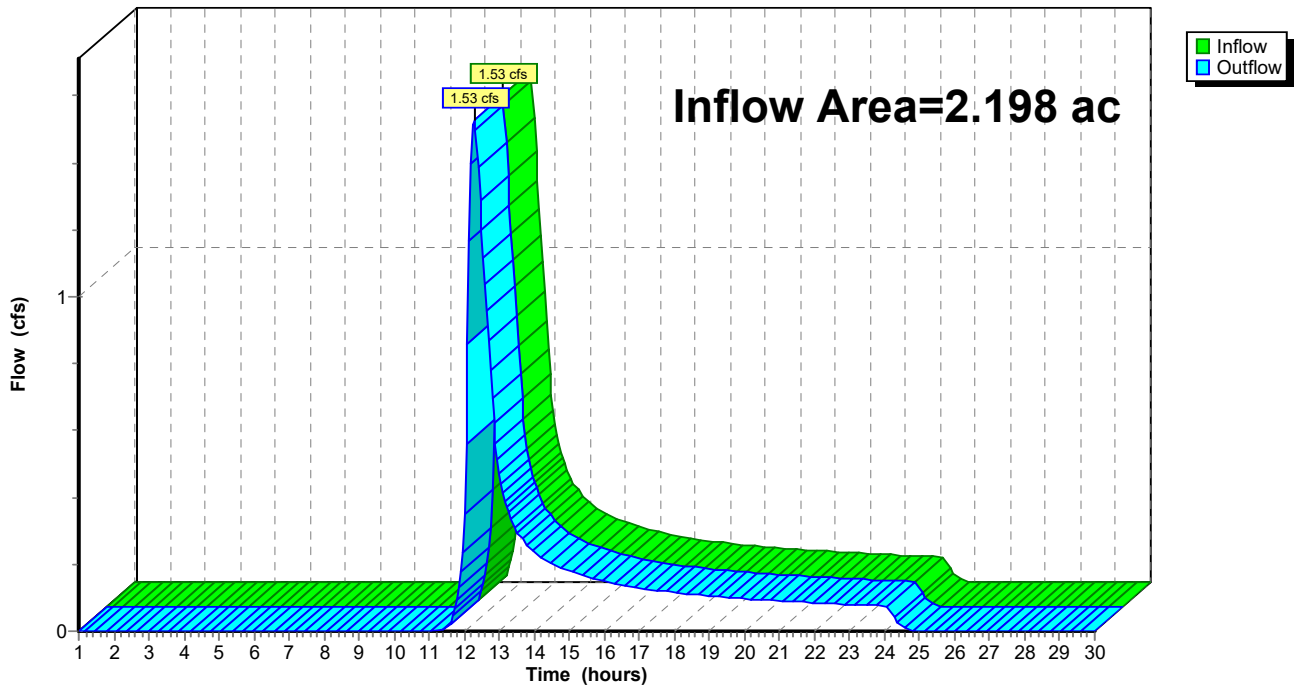
Summary for Reach 6R: DP-2

Inflow Area = 2.198 ac, 0.00% Impervious, Inflow Depth = 1.16" for 10-yr event
Inflow = 1.53 cfs @ 12.28 hrs, Volume= 0.212 af
Outflow = 1.53 cfs @ 12.28 hrs, Volume= 0.212 af, Atten= 0%, Lag= 0.0 min

Routing by Stor-Ind+Trans method, Time Span= 1.00-30.00 hrs, dt= 0.05 hrs

Reach 6R: DP-2

Hydrograph



Summary for Pond SW-1: INFILTRATION BASIN

Inflow Area = 0.918 ac, 74.97% Impervious, Inflow Depth = 3.80" for 10-yr event
 Inflow = 2.90 cfs @ 12.16 hrs, Volume= 0.290 af
 Outflow = 0.57 cfs @ 12.77 hrs, Volume= 0.290 af, Atten= 80%, Lag= 36.5 min
 Discarded = 0.42 cfs @ 12.77 hrs, Volume= 0.286 af
 Primary = 0.16 cfs @ 12.77 hrs, Volume= 0.005 af
 Routed to Reach 5R : DP-1

Routing by Stor-Ind method, Time Span= 1.00-30.00 hrs, dt= 0.05 hrs
 Peak Elev= 291.04' @ 12.77 hrs Surf.Area= 4,492 sf Storage= 4,089 cf

Plug-Flow detention time= 68.9 min calculated for 0.290 af (100% of inflow)
 Center-of-Mass det. time= 68.8 min (868.6 - 799.8)

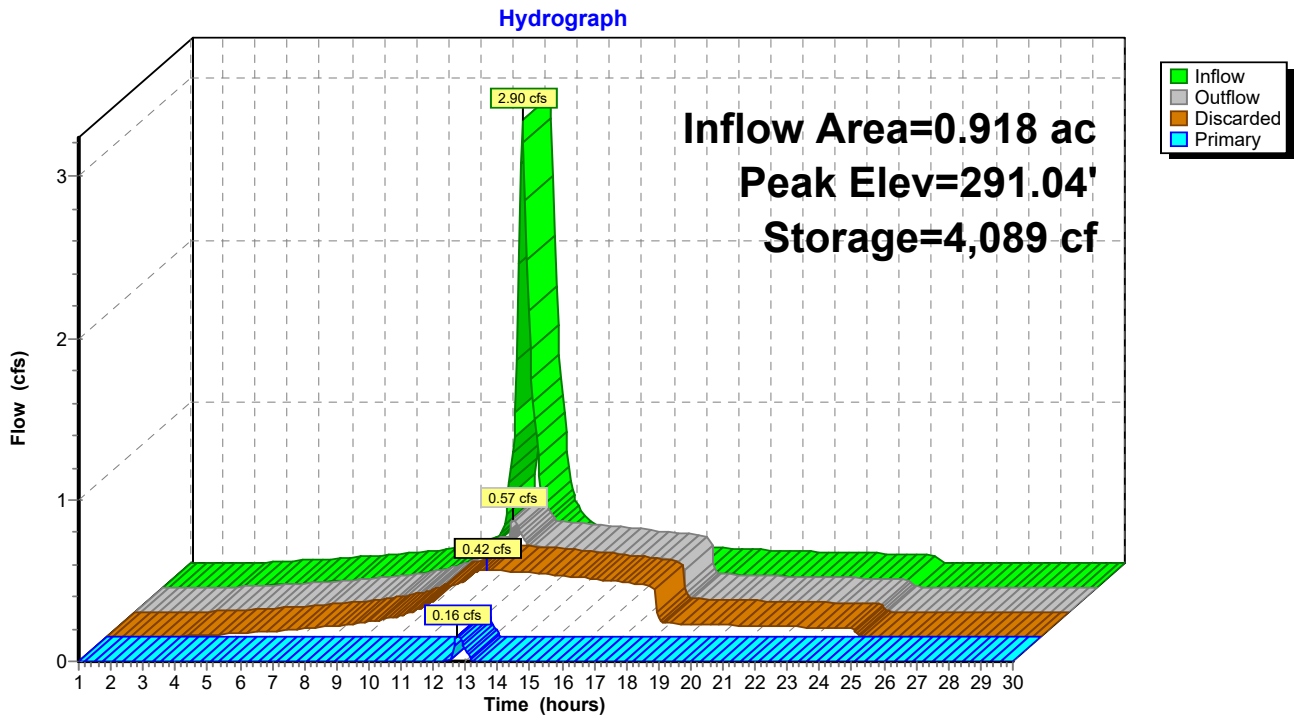
Volume	Invert	Avail.Storage	Storage Description
#1	290.00'	9,164 cf	Custom Stage Data (Prismatic) Listed below (Recalc)
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
290.00	3,384	0	0
291.00	4,422	3,903	3,903
292.00	6,100	5,261	9,164

Device	Routing	Invert	Outlet Devices
#1	Primary	291.00'	7.5' long x 8.0' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 3.50 4.00 4.50 5.00 5.50 Coef. (English) 2.43 2.54 2.70 2.69 2.68 2.68 2.66 2.64 2.64 2.64 2.65 2.65 2.66 2.66 2.68 2.70 2.74
#2	Discarded	290.00'	4.000 in/hr Exfiltration over Surface area

Discarded OutFlow Max=0.42 cfs @ 12.77 hrs HW=291.04' (Free Discharge)
 ↑**2=Exfiltration** (Exfiltration Controls 0.42 cfs)

Primary OutFlow Max=0.15 cfs @ 12.77 hrs HW=291.04' (Free Discharge)
 ↑**1=Broad-Crested Rectangular Weir**(Weir Controls 0.15 cfs @ 0.49 fps)

Pond SW-1: INFILTRATION BASIN



Summary for Subcatchment 1S-A: BYPASS INFILTRATION

Runoff = 11.55 cfs @ 12.20 hrs, Volume= 1.294 af, Depth= 4.20"
 Routed to Reach 5R : DP-1

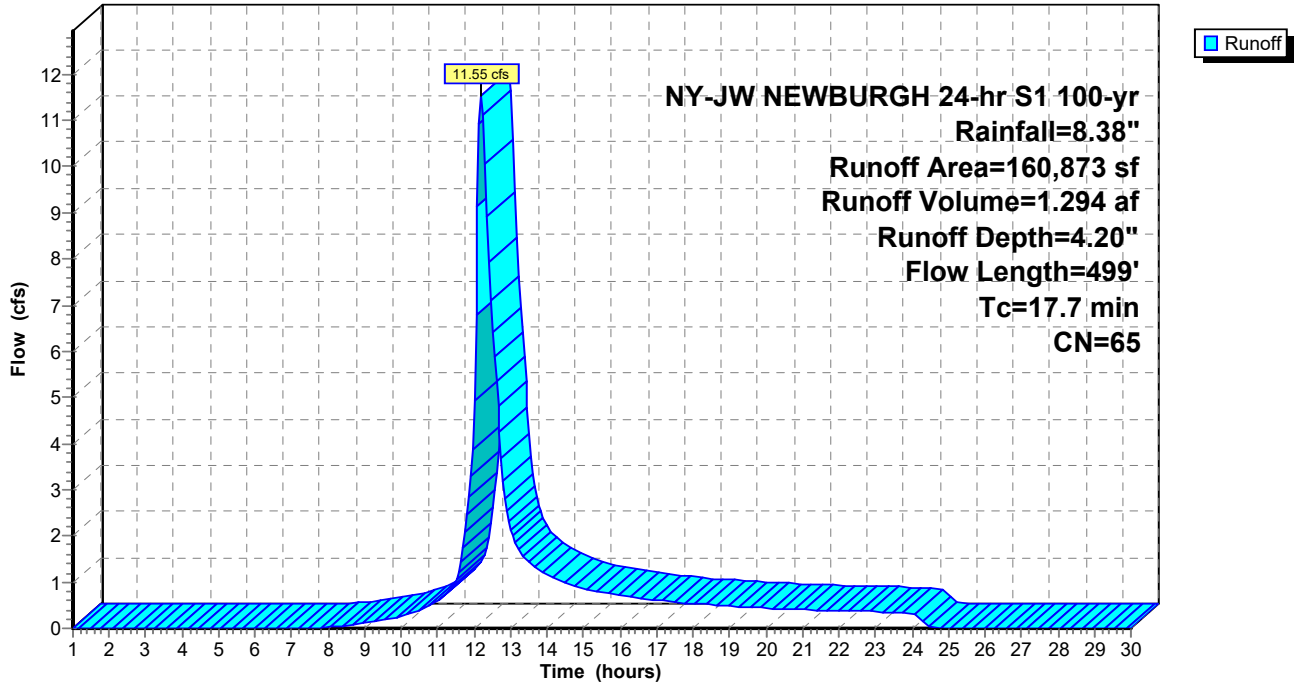
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-30.00 hrs, dt= 0.05 hrs
 NY-JW NEWBURGH 24-hr S1 100-yr Rainfall=8.38"

Area (sf)	CN	Description
88,209	60	Woods, Fair, HSG B
12,189	79	Woods, Fair, HSG D
40,963	61	>75% Grass cover, Good, HSG B
7,600	80	>75% Grass cover, Good, HSG D
11,912	98	Paved parking, HSG D
160,873	65	Weighted Average
148,961		92.60% Pervious Area
11,912		7.40% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
13.9	100	0.0600	0.12		Sheet Flow, Woods: Light underbrush n= 0.400 P2= 3.15"
1.1	136	0.1617	2.01		Shallow Concentrated Flow, SHALLOW CONC Woodland Kv= 5.0 fps
2.7	263	0.0114	1.60		Shallow Concentrated Flow, SHALLOW CONC FLOW Grassed Waterway Kv= 15.0 fps
17.7	499	Total			

Subcatchment 1S-A: BYPASS INFILTRATION

Hydrograph



Summary for Subcatchment 1S-B: PARKING AND BASIN

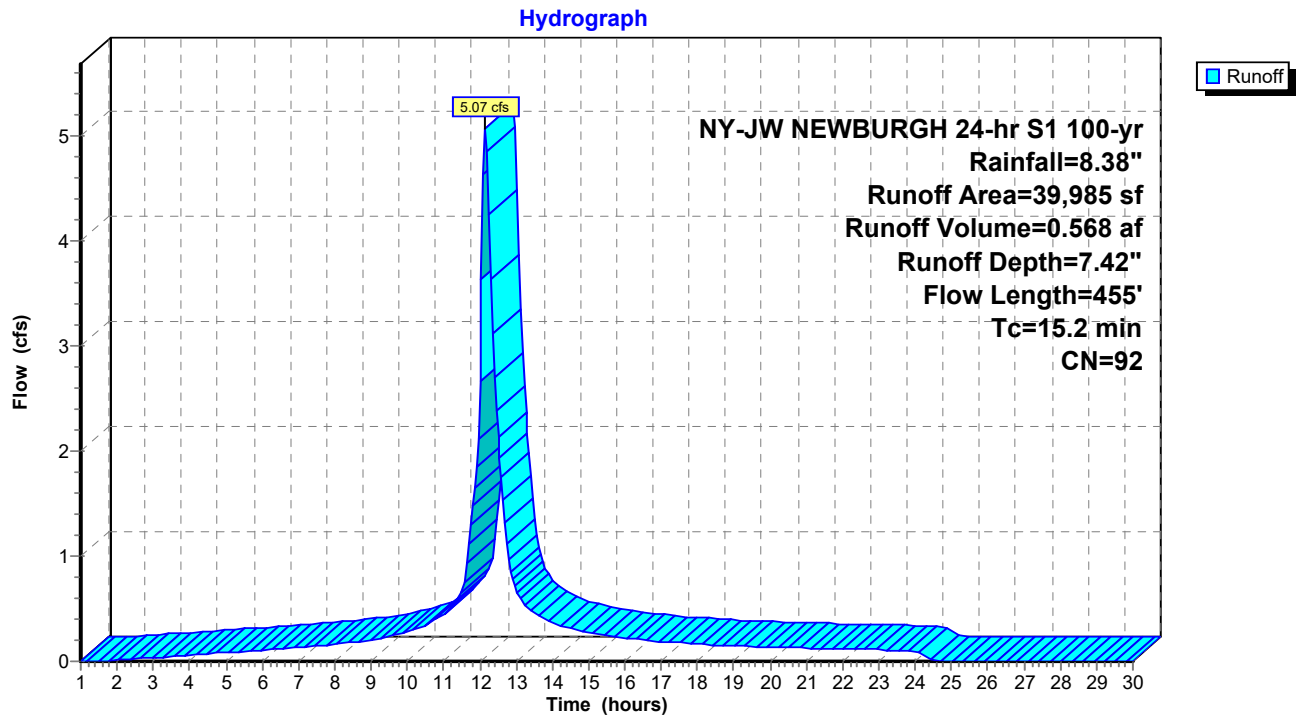
Runoff = 5.07 cfs @ 12.16 hrs, Volume= 0.568 af, Depth= 7.42"
 Routed to Pond SW-1 : INFILTRATION BASIN

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-30.00 hrs, dt= 0.05 hrs
 NY-JW NEWBURGH 24-hr S1 100-yr Rainfall=8.38"

Area (sf)	CN	Description
3,910	61	>75% Grass cover, Good, HSG B
25,053	98	Paved parking, HSG B
6,100	80	>75% Grass cover, Good, HSG D
4,922	98	Roofs, HSG D
39,985	92	Weighted Average
10,010		25.03% Pervious Area
29,975		74.97% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
14.0	60	0.0030	0.07		Sheet Flow, sheet flow Grass: Short n= 0.150 P2= 3.15"
0.7	150	0.0300	3.52		Shallow Concentrated Flow, SHALLOW ACROSS PAVEMENT Paved Kv= 20.3 fps
0.5	245	0.0620	8.52	10.46	Pipe Channel, PIPE FLOW 15.0" Round Area= 1.2 sf Perim= 3.9' r= 0.31' n= 0.020 Corrugated PE, corrugated interior
15.2	455	Total			

Subcatchment 1S-B: PARKING AND BASIN



Summary for Subcatchment 2S: SEPTIC FIELDS

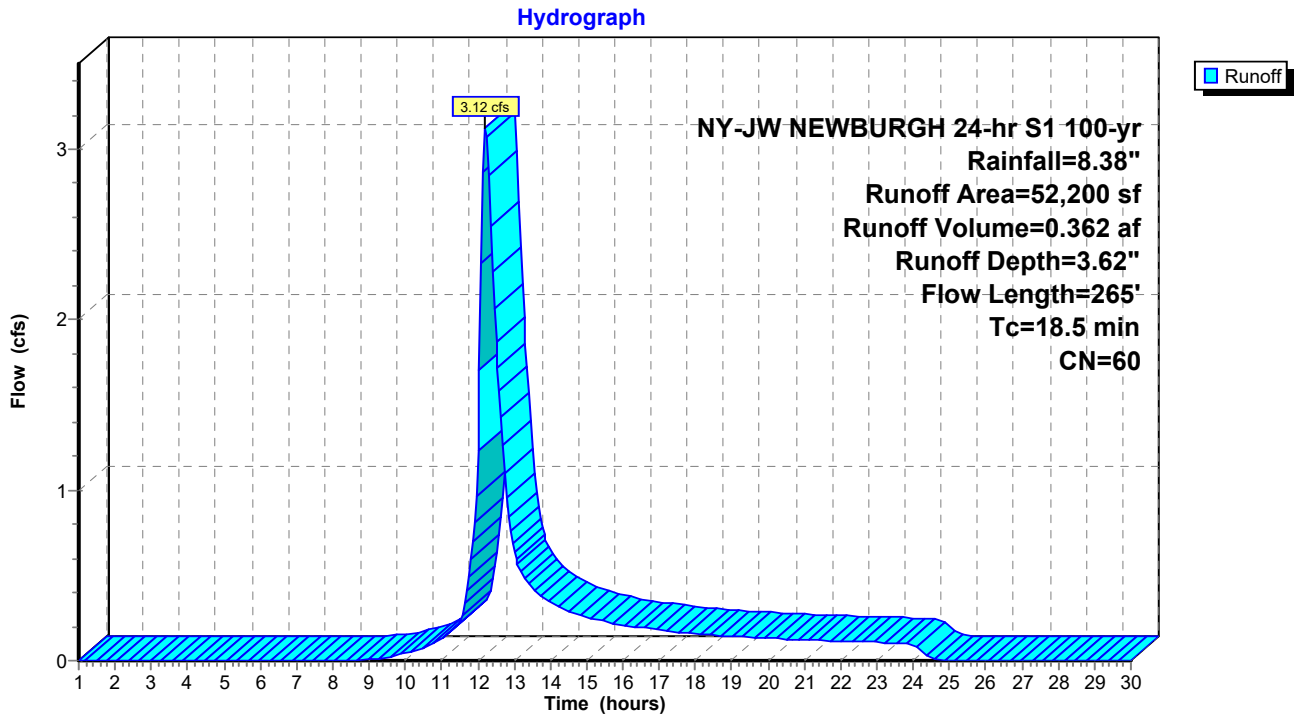
Runoff = 3.12 cfs @ 12.22 hrs, Volume= 0.362 af, Depth= 3.62"
 Routed to Reach 6R : DP-2

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-30.00 hrs, dt= 0.05 hrs
 NY-JW NEWBURGH 24-hr S1 100-yr Rainfall=8.38"

Area (sf)	CN	Description
33,688	60	Woods, Fair, HSG B
18,512	61	>75% Grass cover, Good, HSG B
52,200	60	Weighted Average
52,200		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
16.4	100	0.0400	0.10		Sheet Flow, Woods: Light underbrush n= 0.400 P2= 3.15"
2.1	165	0.0670	1.29		Shallow Concentrated Flow, Woodland Kv= 5.0 fps
18.5	265	Total			

Subcatchment 2S: SEPTIC FIELDS



Postdevelopment Watershed

NY-JW NEWBURGH 24-hr S1 100-yr Rainfall=8.38"

Prepared by Greenman-Pedersen, Inc

Printed 2/14/2023

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Summary for Subcatchment 3S: SOUTH SHEET

Runoff = 2.33 cfs @ 12.32 hrs, Volume= 0.311 af, Depth= 3.74"
 Routed to Reach 6R : DP-2

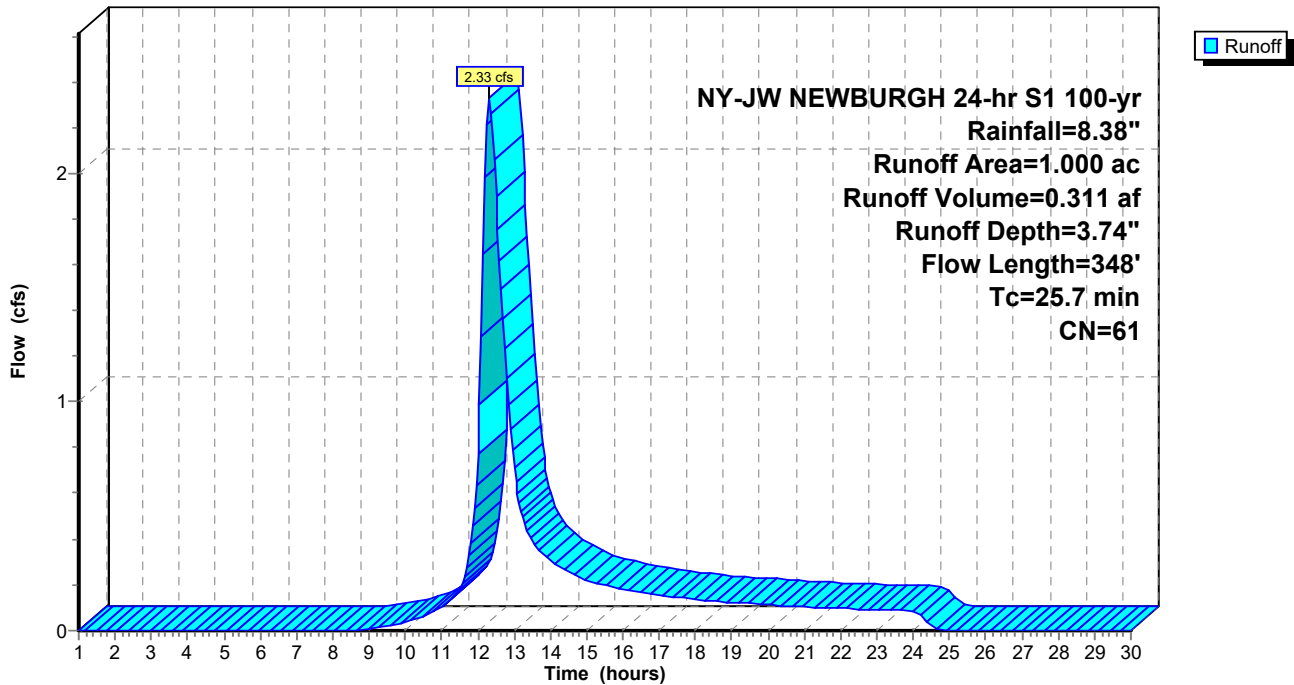
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-30.00 hrs, dt= 0.05 hrs
 NY-JW NEWBURGH 24-hr S1 100-yr Rainfall=8.38"

Area (ac)	CN	Description
0.930	60	Woods, Fair, HSG B
0.070	79	Woods, Fair, HSG D
1.000	61	Weighted Average
1.000		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
21.6	100	0.0200	0.08		Sheet Flow, Woods: Light underbrush n= 0.400 P2= 3.15"
4.1	248	0.0400	1.00		Shallow Concentrated Flow, Woodland Kv= 5.0 fps
25.7	348	Total			

Subcatchment 3S: SOUTH SHEET

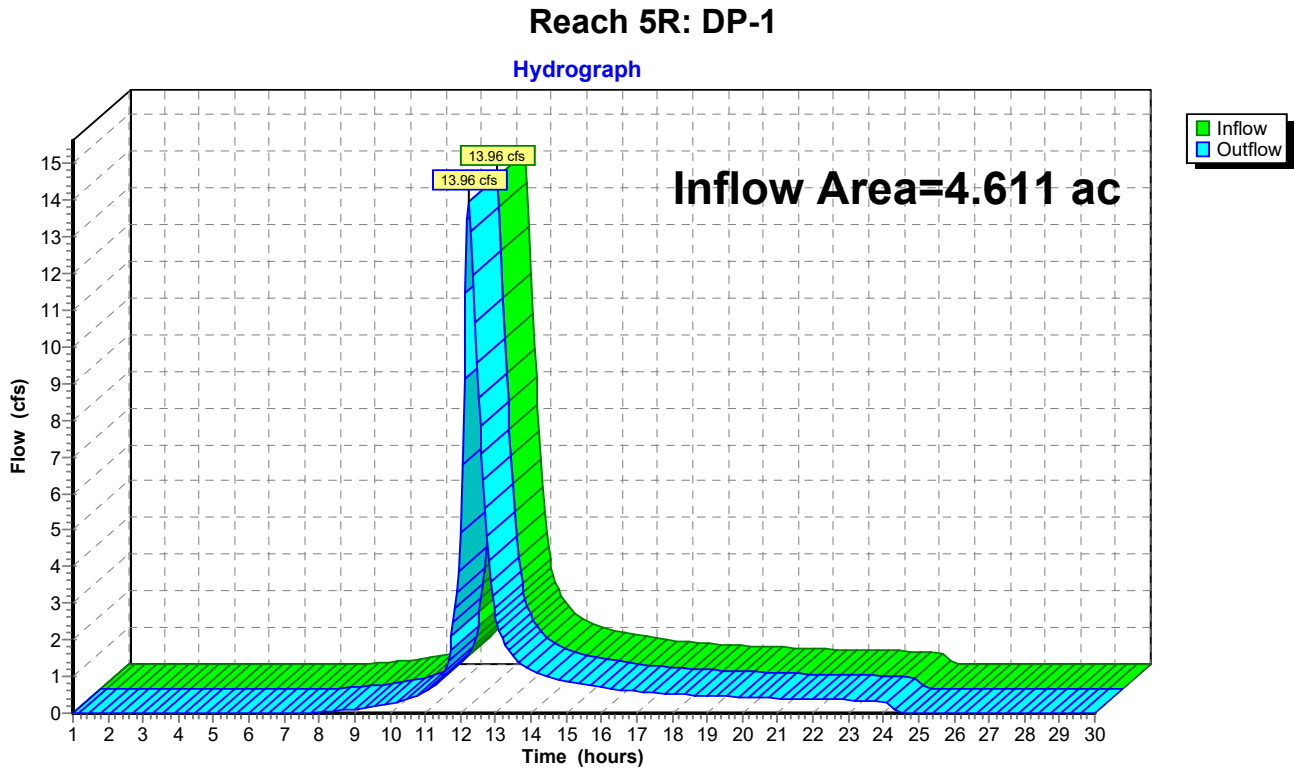
Hydrograph



Summary for Reach 5R: DP-1

Inflow Area = 4.611 ac, 20.85% Impervious, Inflow Depth = 3.72" for 100-yr event
Inflow = 13.96 cfs @ 12.24 hrs, Volume= 1.431 af
Outflow = 13.96 cfs @ 12.24 hrs, Volume= 1.431 af, Atten= 0%, Lag= 0.0 min

Routing by Stor-Ind+Trans method, Time Span= 1.00-30.00 hrs, dt= 0.05 hrs



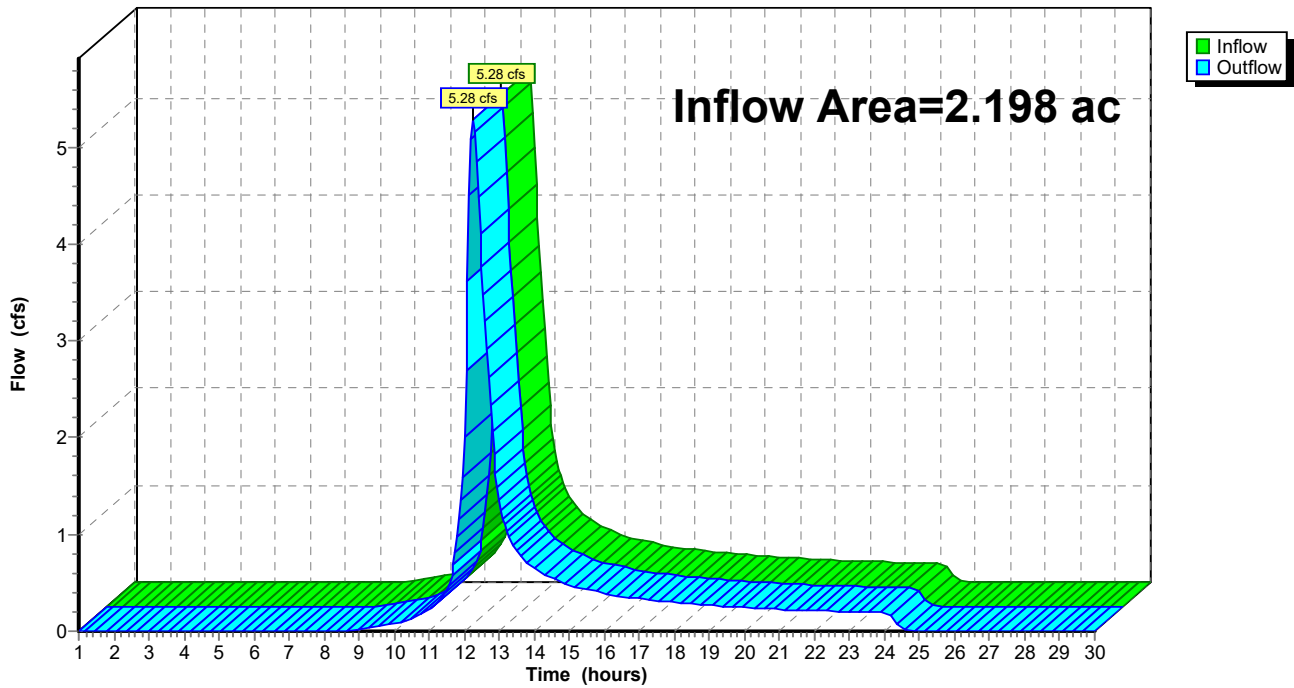
Summary for Reach 6R: DP-2

Inflow Area = 2.198 ac, 0.00% Impervious, Inflow Depth = 3.67" for 100-yr event
Inflow = 5.28 cfs @ 12.26 hrs, Volume= 0.673 af
Outflow = 5.28 cfs @ 12.26 hrs, Volume= 0.673 af, Atten= 0%, Lag= 0.0 min

Routing by Stor-Ind+Trans method, Time Span= 1.00-30.00 hrs, dt= 0.05 hrs

Reach 6R: DP-2

Hydrograph



Summary for Pond SW-1: INFILTRATION BASIN

Inflow Area = 0.918 ac, 74.97% Impervious, Inflow Depth = 7.42" for 100-yr event
 Inflow = 5.07 cfs @ 12.16 hrs, Volume= 0.568 af
 Outflow = 3.60 cfs @ 12.31 hrs, Volume= 0.568 af, Atten= 29%, Lag= 9.2 min
 Discarded = 0.46 cfs @ 12.31 hrs, Volume= 0.431 af
 Primary = 3.14 cfs @ 12.31 hrs, Volume= 0.137 af
 Routed to Reach 5R : DP-1

Routing by Stor-Ind method, Time Span= 1.00-30.00 hrs, dt= 0.05 hrs
 Peak Elev= 291.30' @ 12.31 hrs Surf.Area= 4,934 sf Storage= 5,329 cf

Plug-Flow detention time= 58.1 min calculated for 0.567 af (100% of inflow)
 Center-of-Mass det. time= 58.1 min (838.6 - 780.5)

Volume	Invert	Avail.Storage	Storage Description
#1	290.00'	9,164 cf	Custom Stage Data (Prismatic) Listed below (Recalc)
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
290.00	3,384	0	0
291.00	4,422	3,903	3,903
292.00	6,100	5,261	9,164

Device	Routing	Invert	Outlet Devices
#1	Primary	291.00'	7.5' long x 8.0' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 3.50 4.00 4.50 5.00 5.50 Coef. (English) 2.43 2.54 2.70 2.69 2.68 2.68 2.66 2.64 2.64 2.64 2.65 2.65 2.66 2.66 2.68 2.70 2.74
#2	Discarded	290.00'	4.000 in/hr Exfiltration over Surface area

Discarded OutFlow Max=0.46 cfs @ 12.31 hrs HW=291.30' (Free Discharge)
 ↑**2=Exfiltration** (Exfiltration Controls 0.46 cfs)

Primary OutFlow Max=3.11 cfs @ 12.31 hrs HW=291.30' (Free Discharge)
 ↑**1=Broad-Crested Rectangular Weir**(Weir Controls 3.11 cfs @ 1.37 fps)

Pond SW-1: INFILTRATION BASIN

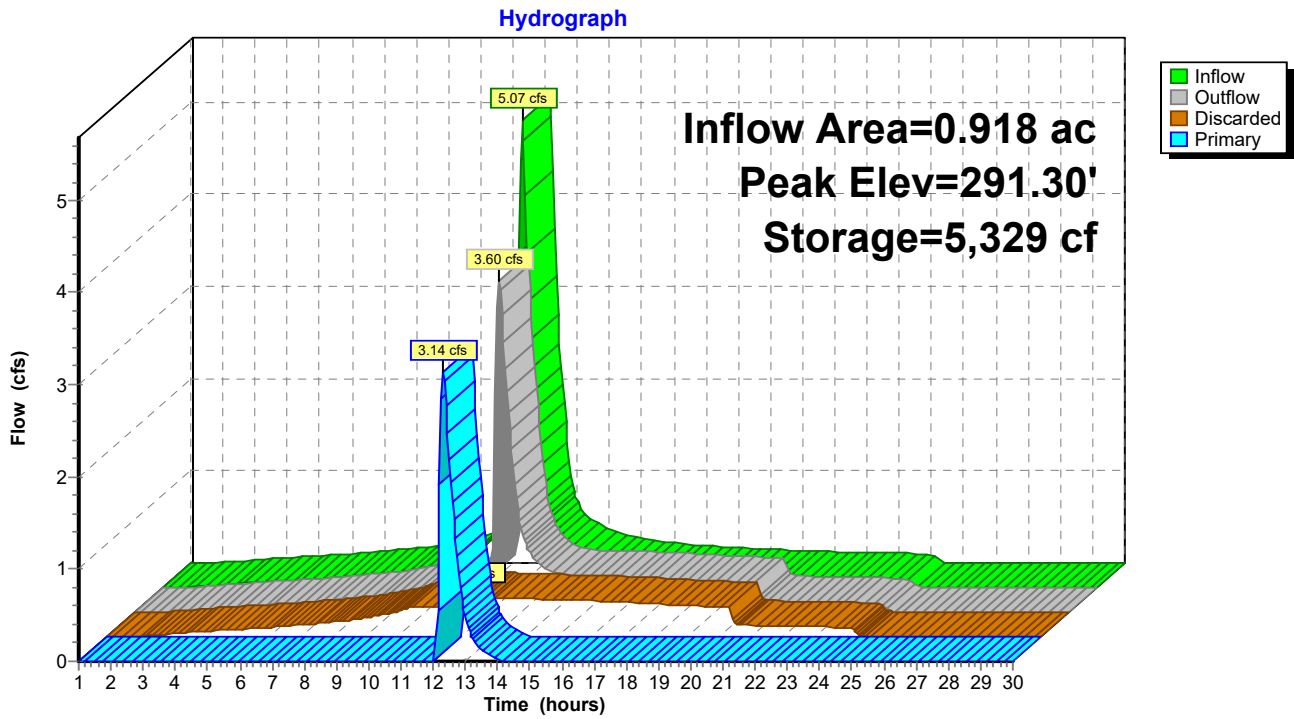


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APPENDIX L:

WQv and NYSDEC GI Worksheets

Is this project subject to Chapter 10 of the NYS Design Manual (i.e. WQv is equal to post-development 1 year runoff volume)?..... **No**

Design Point:	1	
P=	1.00	inch

Manually enter P, Total Area and Impervious Cover.

Breakdown of Subcatchments						
Catchment Number	Total Area (Acres)	Impervious Area (Acres)	Percent Impervious %	Rv	WQv (ft ³)	Description
1	6.81	0.85	12%	0.16	4,013	Infiltration Basin
2						
3						
4						
5						
6						
7						
8						
9						
10						
Subtotal (1-30)	6.81	0.85	12%	0.16	4,013	Subtotal 1
Total	6.81	0.85	12%	0.16	4,013	Initial WQv

Identify Runoff Reduction Techniques By Area			
Technique	Total Contributing Area	Contributing Impervious Area	Notes
	(Acre)	(Acre)	
Conservation of Natural Areas	0.00	0.00	<i>minimum 10,000 sf</i>
Riparian Buffers	0.00	0.00	<i>maximum contributing length 75 feet to 150 feet</i>
Filter Strips	0.00	0.00	
Tree Planting	0.00	0.00	<i>Up to 100 sf directly connected impervious area may be subtracted per tree</i>
Total	0.00	0.00	

Recalculate WQv after application of Area Reduction Techniques					
	Total Area (Acres)	Impervious Area (Acres)	Percent Impervious %	Runoff Coefficient Rv	WQv (ft ³)
"<<Initial WQv"	6.81	0.85	12%	0.16	4,013
Subtract Area	0.00	0.00			
WQv adjusted after Area Reductions	6.81	0.85	12%	0.16	4,013
Disconnection of Rooftops		0.00			
Adjusted WQv after Area Reduction and Rooftop Disconnect	6.81	0.85	12%	0.16	4,013
WQv reduced by Area Reduction techniques					0

Minimum RRv

Enter the Soils Data for the site

Soil Group	Acres	S
A	0.00	55%
B	3.53	40%
C	0.06	30%
D	0.49	20%
Total Area	4.08	

Calculate the Minimum RRv

S =	0.37	
Impervious =	0.85	<i>acre</i>
Precipitation	1	<i>in</i>
Rv	0.95	
Minimum RRv	1,098	<i>ft3</i>
	0.03	<i>af</i>

Infiltration Basin Worksheet

Design Point:	1						
Enter Site Data For Drainage Area to be Treated by Practice							
Catchment Number	Total Area (Acres)	Impervious Area (Acres)	Percent Impervious %	Rv	WQv (ft ³)	Precipitation (in)	Description
1	6.81	0.85	0.12	0.16	4012.97	1.00	Infiltration Basin
Enter Impervious Area Reduced by Disconnection of Rooftops		0.00	12%	0.16	4,013	<<WQv after adjusting for Disconnected Rooftops	
Enter the portion of the WQv that is not reduced for all practices routed to this practice.					0	ft ³	
Pretreatment Techniques to Prevent Clogging							
Infiltration Rate			2.00	in/hour	<i>Okay</i>		
Pretreatment Sizing			50	% WQv	25% minimum; 50% if >2 in/hr 100% if >5in/hour		
Pretreatment Required Volume			2,006	ft ³			
Pretreatment Provided			2,500	ft ³			
Pretreatment Techniques utilized			<i>Sedimentation Basin</i>				
Size An Infiltration Basin							
Design Volume	4,013	ft ³	WQv				
Basal Area Required	2,006	ft ²	<i>Infiltration practices shall be designed to exfiltrate the entire WQv through the floor of each practice.</i>				
Basal Area Provided	2,500	ft ²					
Design Depth	2.00	ft					
Volume Provided	5,000	ft ³	<i>Storage Volume provided in infiltration basin area (not including pretreatment.</i>				
Determine Runoff Reduction							
RRv	4,013	ft³	90% of the storage provided in the basin or WQv whichever is smaller				
Volume Treated	0	ft ³	<i>This is the portion of the WQv that is not reduced/infiltrated</i>				
Sizing v	OK		<i>The infiltration basin must provide storage equal to or greater than the WQv of the contributing area.</i>				

Runoff Reduction Volume and Treated volumes						
	Runoff Reduction Techniques/Standard SMPs		Total Contributing Area	Total Contributing Impervious Area	WQv Reduced (RRv)	WQv Treated
			(acres)	(acres)	cf	cf
Area/Volume Reduction	Conservation of Natural Areas	RR-1	0.00	0.00		
	Sheetflow to Riparian Buffers/Filter Strips	RR-2	0.00	0.00		
	Tree Planting/Tree Pit	RR-3	0.00	0.00		
	Disconnection of Rooftop Runoff	RR-4		0.00		
	Vegetated Swale	RR-5	0.00	0.00	0	
	Rain Garden	RR-6	0.00	0.00	0	
	Stormwater Planter	RR-7	0.00	0.00	0	
	Rain Barrel/Cistern	RR-8	0.00	0.00	0	
	Porous Pavement	RR-9	0.00	0.00	0	
	Green Roof (Intensive & Extensive)	RR-10	0.00	0.00	0	
Standard SMPs w/RRv Capacity	Infiltration Trench	I-1	0.00	0.00	0	0
	Infiltration Basin	I-2	6.81	0.85	4013	0
	Dry Well	I-3	0.00	0.00	0	0
	Underground Infiltration System	I-4				
	Bioretention & Infiltration Bioretention	F-5	0.00	0.00	0	0
	Dry swale	O-1	0.00	0.00	0	0
Standard SMPs	Micropool Extended Detention (P-1)	P-1				
	Wet Pond (P-2)	P-2				
	Wet Extended Detention (P-3)	P-3				
	Multiple Pond system (P-4)	P-4				
	Pocket Pond (p-5)	P-5				
	Surface Sand filter (F-1)	F-1				
	Underground Sand filter (F-2)	F-2				
	Perimeter Sand Filter (F-3)	F-3				
	Organic Filter (F-4)	F-4				
	Shallow Wetland (W-1)	W-1				
	Extended Detention Wetland (W-2)	W-2				
	Pond/Wetland System (W-3)	W-3				
	Pocket Wetland (W-4)	W-4				
	Wet Swale (O-2)	O-2				
Totals by Area Reduction		→	0.00	0.00	0	
Totals by Volume Reduction		→	0.00	0.00	0	
Totals by Standard SMP w/RRV		→	6.81	0.85	4013	0
Totals by Standard SMP		→	0.00	0.00		0
Totals (Area + Volume + all SMPs)		→	6.81	0.85	4,013	0
Impervious Cover v		okay				

NOI QUESTIONS

#	NOI Question	Reported Value	
		cf	af
28	Total Water Quality Volume (WQv) Required	4013	0.092
30	Total RRV Provided	4013	0.092
31	Is RRV Provided \geq WQv Required?	Yes	
32	Minimum RRV	1098	0.025
32a	Is RRV Provided \geq Minimum RRV Required?	Yes	
33a	Total WQv Treated	0	0.000
34	Sum of Volume Reduced & Treated	4013	0.092
34	Sum of Volume Reduced and Treated	4013	0.092
35	Is Sum RRV Provided and WQv Provided \geq WQv Required?	Yes	

Apply Peak Flow Attenuation			
36	Channel Protection	C_{pv}	
37	Overbank	Q_p	
37	Extreme Flood Control	Q_f	
	Are Quantity Control requirements met?		

GPI

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gpinet.com

February 15, 2023

WATER AND SEWER REPORT
Newburgh Kingdom Hall



Site Address: 33 Old Little Britain Road
Town of Newburgh, NY 12550

Owner: JW Congregation Support
1005 Red Mills Road, Walkill, NY 12589

Client Contact: Josh Modglin
jmodglin@jw.org

Design Professional: Greenman-Pedersen, Inc (GPI)
John Montagne, R.L.A., AICP, LEED AP
80 Wolf Road, Suite 300
Albany, NY 12205
(518) 898-9532



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4.0	CONCLUSIONS AND RECOMMENDATIONS.....	5

1.0 INTRODUCTION

The purpose of this Engineer's Report is to present data and information relative to the water supply and sewer to serve the proposed Newburgh Kingdom Hall project, hereafter termed the "project site". The project site is located near the intersection of Dewey Dr and Old Little Britain Road in the Town of Newburgh, Orange County, New York.

The proposed action involves the construction of a new ±4,992 SF Kingdom Hall building and all associated site improvements, including, driveways, parking spaces, sidewalks, curbs, and landscaping.

Included in this Engineer's Report are the following:

- Estimation of the proposed development's water and sewer demand;
- Description of the water supply and sewer distribution systems required to service the proposed project.

Criteria outlined in the Great Lakes Upper Mississippi River Board of State Public Health and Environmental Managers (10 State Standards), "Recommended Standards for Water Works", 2007 Edition have been considered in the development of this report.

2.0 PROPOSED WATER AND SEWER SYSTEM DEMANDS

2.1 Anticipated Water Demand

Design demands for the proposed development were derived from Table 3 of the NYSDEC Design Standards for Wastewater Treatment Works, 1988 and equating wastewater generation to water demand. Based upon Table 1: "Projected Water Demands" below, the average daily demand of the Newburgh Kingdom Hall is 660 gallons per day (gpd) or 0.6 gallons per minute (gpm). The Town of Newburgh has ample excess water supply to meet the anticipated project's demands.

The peak hourly flow is calculated by multiplying the average daily flow by a peaking factor. Based on Figure 1 of the "Recommended Standards for Wastewater Facilities, 2004" a peaking factor of 4.0 is suitable for this project given the projected population of 220 persons. Based on the peaking factor of 4.0, the peak hourly flow is projected to be 2.5-gpm.

TABLE 1							
Estimated Water Use and Septic System Demand							
Newburgh Kingdom Hall							
Programming Element	Quantity	NYSDEC Use Rate/Unit*	Daily Water Use (gal/d)	Low-flow Fixtures – 20% reduction rate	Daily Water Use (gal/d)	Septic Loading Rate/Unit*	Daily Septic Loading Rate (gal/d)
Church	220 seats	3 gpd/seat	660	N/A	660	3 gpd/seat	660

gallons per day (gpd)

Total **660 gpd**

Assume 18-hour water use day **37 gph (avg)**

0.6 gpm (avg)

Peaking Factor **4.0** **148 Peak Hour**

2.5 gpm (avg)

*Rate is based on Table B-3 of the Design Standard for Wastewater Treatment Works, Intermediate Sized Facilities NYSDEC 2014.
 † Number of seats based on JWCS programming.

3.0 PROPOSED WATER AND SEWER SYSTEM

3.1 Water System Improvements Design

A new water service will be required for the proposed Kingdom Hall to provide water to the restrooms, utility sink and the sprinkler system. There is an existing 8” DIP water main located on the north side of Old Little Britain Road. A new 6” DIP connection will be made to the existing 8” water main using a tapping sleeve, a new gate valve and curb box will be installed near the end of the proposed driveway. The portion of the water main under Old Little Britain Road will be directionally drilled to the largest extent practical to avoid disturbing the existing roadway. The 6” water service will extend approximately 275 LF along the proposed driveway and enter into the east side of the building. The 6” line will be split inside the building to 1 ½” domestic service and 4” fire protection service.

3.2 Sewer System Improvements Design

A new conventional septic leach field is proposed to provide treatment of the wastewater from the new building. The design flow rate for the system is calculated in Table 1 as 660 gpd. On site percolation testing was performed by GPI in March 2020 and a stabilized rate of 18 min/in was observed in the vicinity of the proposed leach field. Based on the percolation rate an application rate of 0.7 gpd/sf was used according to Table E-1 of the NYS Design Standards for Intermediate Wastewater Treatment System, 2014. The leach field has been designed as a three-bed system with each bed able to handle 50% of the total flow as recommended by NYSDEC. A valve box will be provided to allow one field to rest and be alternated on an annual basis. The total lateral length required for each bed was calculated to be 235 LF.

A total of three laterals 80 ft long will be provided in each bed. The septic tank was sized based on Table D-2 of the NYSDEC Design Manual. A 1,200 gallon tank has been provided.

3.3 Insurance Service Office (ISO) Needed Water Flow

The needed fire flow (NFF) for the project is based on the standards as set forth in the “Guide for Determination of Needed Fire Flow” issued by the Insurance Services Office, Inc. It is noted that “ISO does not determine a needed fire flow for buildings rated and coded by ISO as protected by an automatic sprinkler system meeting applicable National Fire Protection Association standards.”

The proposed building will be protected by automatic sprinkler systems and ISO NFF would not apply. The building mechanical engineer will design the sprinkler system, determine the minimum flow and pressure required for sprinkler operation and, if necessary, design any internal pressure boosting systems required to satisfy the sprinkler system.

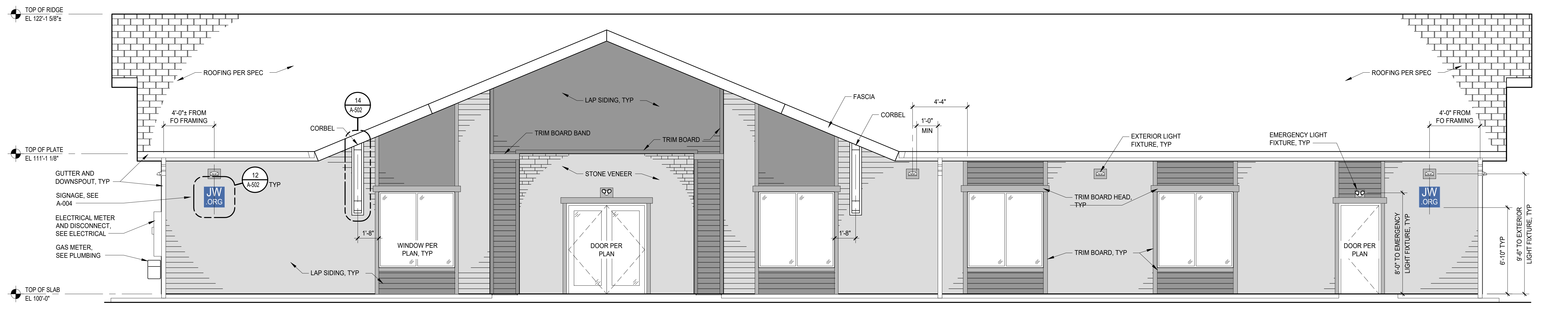
4.0 CONCLUSIONS AND RECOMMENDATIONS

GPI has completed the investigation and analysis of water supply and sewer for the proposed Newburgh Kingdom Hall located on Old Little Britain Road in the Town of Newburgh, Orange County, New York. The proposed action involves the construction of a new ±4,992 sf Kingdom Hall and all associated site improvements, including, driveways, parking spaces, sidewalks, curbs, and landscaping

Based upon the proposed development, a projected average day water demand of 660-gpd or 0.6- gpm is expected. Given the appropriate peaking factor of 4.0, the projected max daily demand is 2.5-gpm.

The Newburgh Kingdom Hall water supply will be provided by the Town of Newburgh Consolidated Water District. There were no restrictions on the water system in 2021 so the existing water distribution system should have the capacity to meet the proposed demand.

A conventional septic system has been designed to provide wastewater treatment for the Newburgh Kingdom Hall. The proposed system will require review by Town of Newburgh and/or the Orange County Health Department.



A ELEVATION - SOUTH

REF: 1/ A-101
 1/4"=1'-0"
 0' 2'-0" 4'-0" 8'-0"



B PERSPECTIVE - SOUTH

NOT TO SCALE

- GENERAL SHEET NOTES**
- TOP OF STRUCTURAL CONCRETE ELEVATION = 100'-0" = DATUM ELEVATION. SEE CIVIL ENGINEERING PLANS FOR BUILDING TOP OF FINISH FLOOR ELEVATION.
 - ALL LIGHT FIXTURE DIMENSIONS ARE TO CENTERLINE OF ELECTRICAL BOX.
 - TRIM AT DOOR AND WINDOW HEAD TO BE 1X5/8" TRIM BOARDS, AND SHALL EXTEND 2" BEYOND VERTICAL TRIM ON EACH SIDE.
 - SEE SHEET A-506 FOR THE MECHANICAL ENCLOSURE ELEVATION.

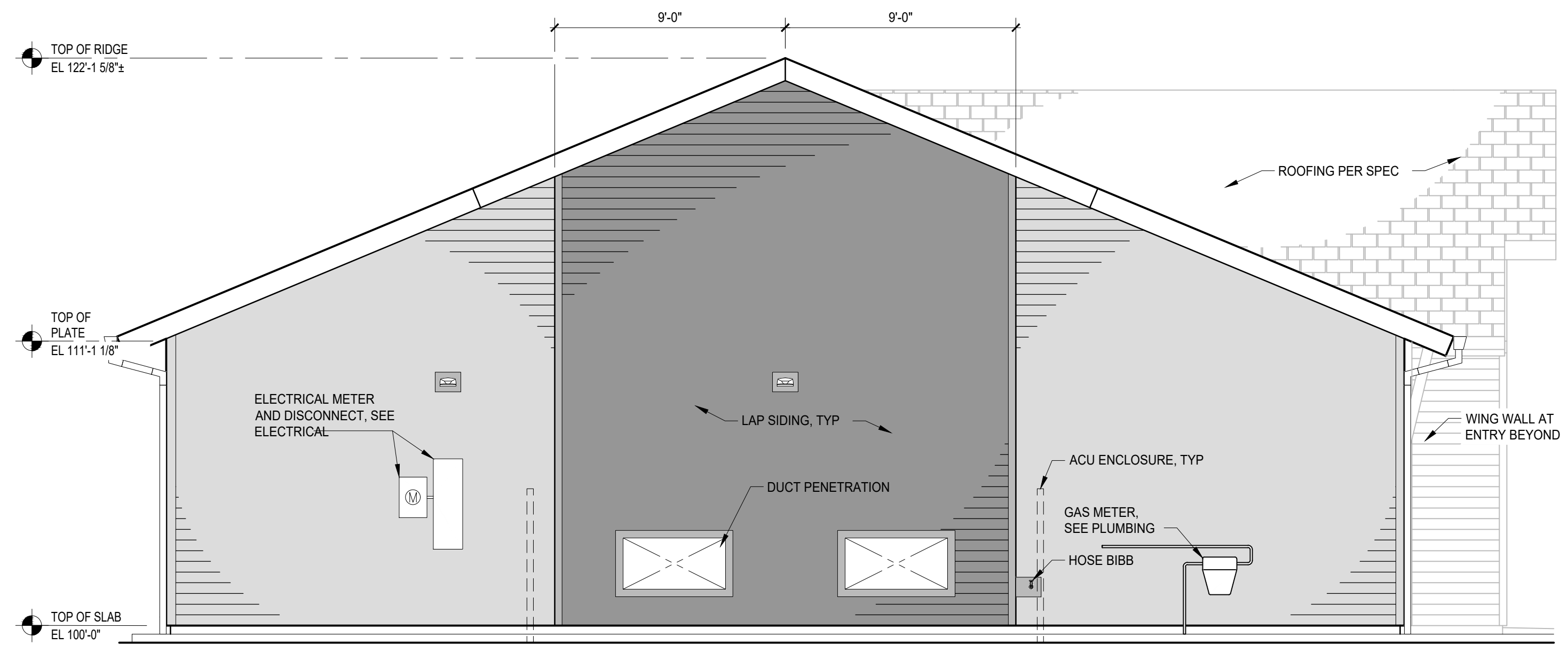
FINISH LEGEND

COLOR PACKAGE: STREAM

[Light Blue Box]	SIDING COLOR 1
[Dark Blue Box]	SIDING COLOR 2
[Grey Box]	ACCENT TRIM COLOR (DOORS, WINDOWS, CORBELS, ETC.)
[Stone Pattern Box]	ARCHITECTURAL STONE

NOTE:
 1. VERTICAL TRIM AT CORNERS TO MATCH COLOR OF ADJACENT SIDING.
 2. GUTTERS TO MATCH FASCIA COLOR.
 3. DOWNSPOUTS TO MATCH ADJACENT SIDING COLOR.

NOT FOR CONSTRUCTION
 THIS DRAWING PROVIDED ONLY FOR REVIEW AND APPROVAL



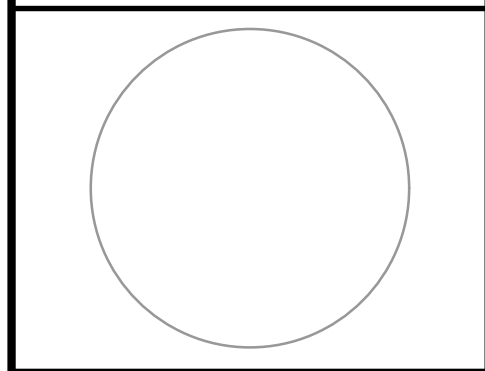
C ELEVATION - WEST

REF: 1/ A-101
 1/4"=1'-0"
 0' 2'-0" 4'-0" 8'-0"



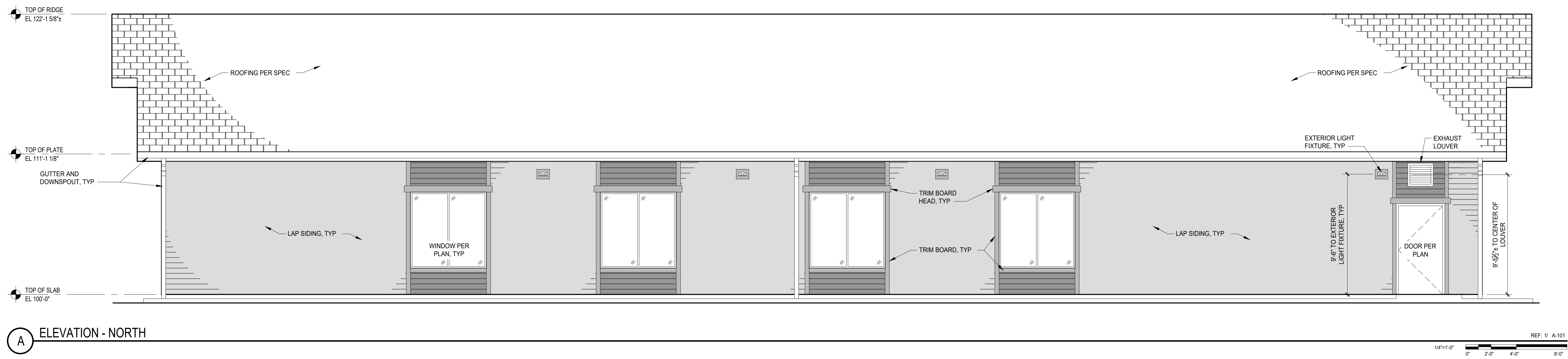
D PERSPECTIVE - WEST

NOT TO SCALE



CONSULTANT:

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REVIEW AND APPROVAL



A ELEVATION - NORTH

REF: 1/ A-101
1/4"=1'-0"
0' 2'-0" 4'-0" 8'-0"



B PERSPECTIVE - NORTH

NOT TO SCALE

GENERAL SHEET NOTES

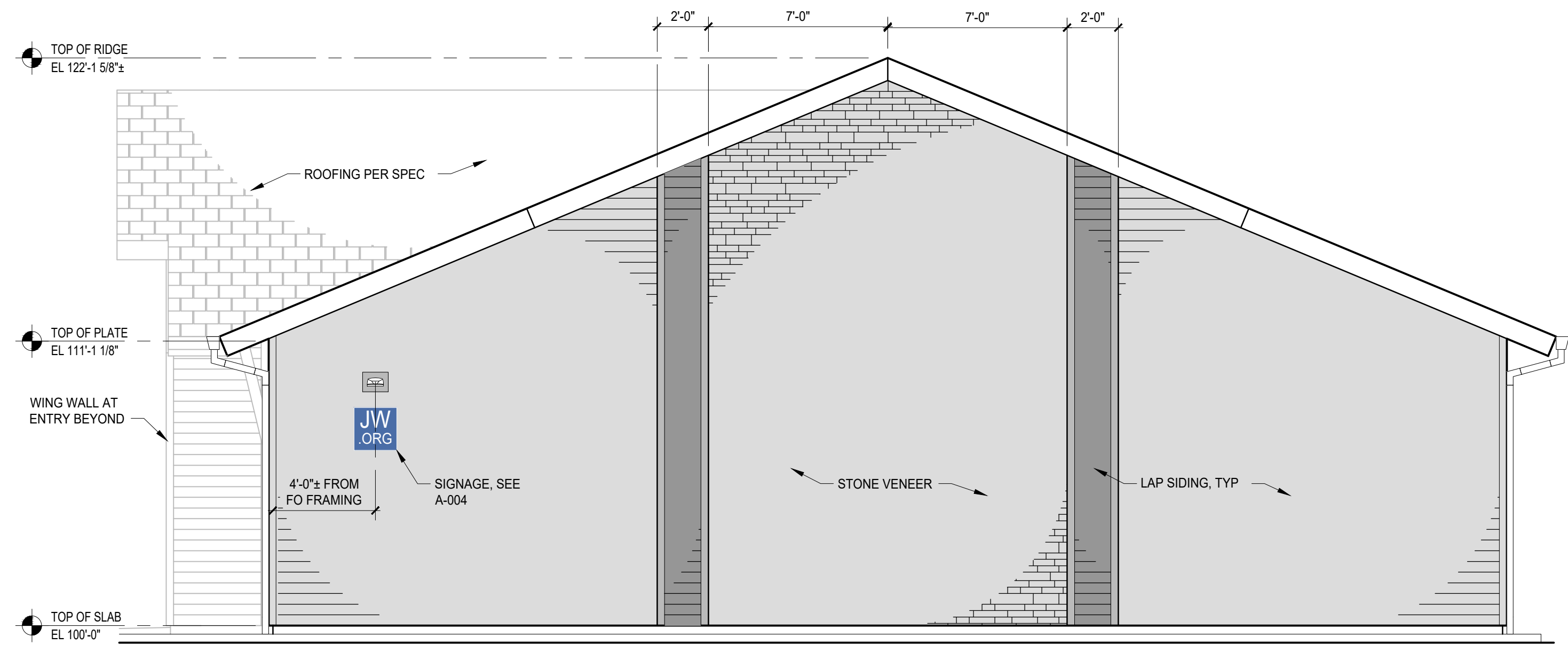
1. TOP OF STRUCTURAL CONCRETE ELEVATION = 100'-0" = DATUM ELEVATION. SEE CIVIL ENGINEERING PLANS FOR BUILDING TOP OF FINISH FLOOR ELEVATION.
2. ALL LIGHT FIXTURE DIMENSIONS ARE TO CENTERLINE OF ELECTRICAL BOX.
3. TRIM AT DOOR AND WINDOW HEAD TO BE 1X5/8" TRIM BOARDS, AND SHALL EXTEND 2" BEYOND VERTICAL TRIM ON EACH SIDE.
4. SEE SHEET A-506 FOR THE MECHANICAL ENCLOSURE ELEVATION.

FINISH LEGEND

COLOR PACKAGE: STREAM

- SIDING COLOR 1
- SIDING COLOR 2
- ACCENT TRIM COLOR (DOORS, WINDOWS, CORBELS, ETC.)
- ARCHITECTURAL STONE

- NOTE:
1. VERTICAL TRIM AT CORNERS TO MATCH COLOR OF ADJACENT SIDING.
 2. GUTTERS TO MATCH FASCIA COLOR.
 3. DOWNSPOUTS TO MATCH ADJACENT SIDING COLOR.



C ELEVATION - EAST

REF: 1/ A-101
1/4"=1'-0"
0' 2'-0" 4'-0" 8'-0"



D PERSPECTIVE - EAST

NOT TO SCALE

MARK: DATE: DESCRIPTION:

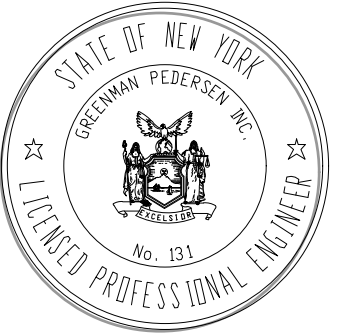
OWNER:
JW CONGREGATION SUPPORT, INC
1005 RED MILLS ROAD
WALLKILL, NY 12589-3283

PROJECT TITLE:
KINGDOM HALL
33 OLD LITTLE BRITAIN ROAD
NEWBURGH, NY 12550

SHEET TITLE:
EXTERIOR ELEVATIONS

PROJECT No:

SHEET No:



CONSULTANT:

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- 15 FEB 23 SUBMISSION TO TOWN
- 11 NOV 22 SUBMISSION TO TOWN
- 20 OCT 22 GPI CONCEPT FOR REVIEW
- 16 SEP 22 CONCEPT FOR REVIEW

MARK: DATE: DESCRIPTION:

OWNER:
JW CONGREGATION SUPPORT, INC.
1005 RED MILLS ROAD
WALLKILL, NY 12589-3283

PROJECT TITLE:
NEWBURGH KINGDOM HALL OF JEHOVAH'S WITNESSES
33 OLD LITTLE BRITAIN RD
NEWBURGH, NY 12550

SHEET TITLE:
TREE SURVEY

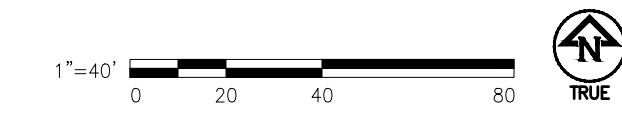
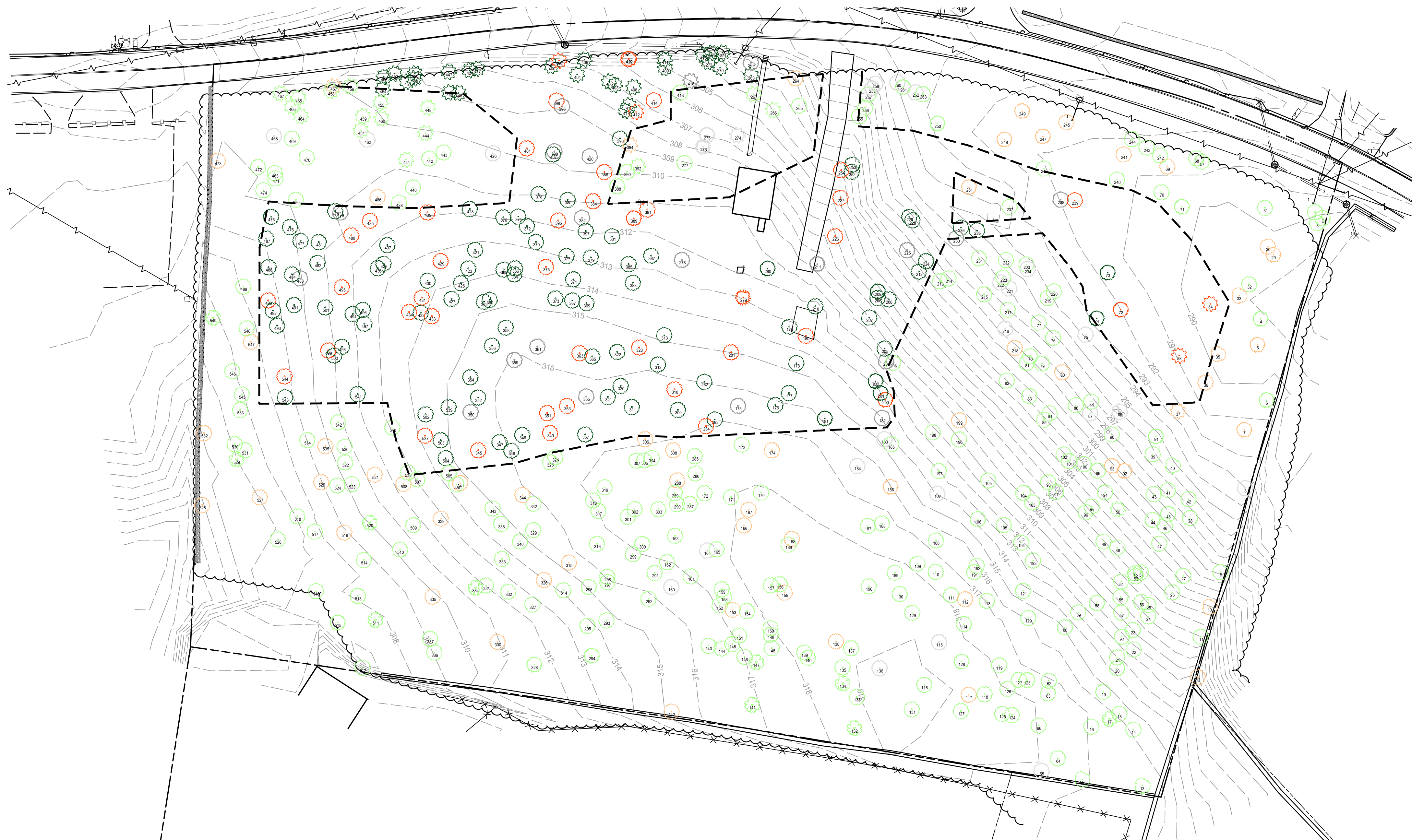
PROJECT No. **37147**

SHEET No. **V-102**

ARBORIST:
Quonika Stover
ISA Certified Arborist NJ-1285A

SYMBOLS LEGEND

- SPECIMEN TREE TO REMAIN ●
- SIGNIFICANT TREE TO REMAIN ○
- DEAD/DISEASED TREE TO REMAIN ●
- SPECIMEN TREE TO BE REMOVED ○
- SIGNIFICANT TREE TO BE REMOVED ○
- DEAD/DISEASED TREE TO BE REMOVED ○
- LIMITS OF DISTURBANCE



SPECIMEN TREE TABLE

Tree ID #	Tree Species	DBH (in)	Tree Condition
7	Ash	24.75	Fair
10	Black Walnut	23.5	Fair
12	Maple	28	Poor
29	Ash	25.75	Poor
30	Maple	21.5	Fair
34	Elm	21.75	Fair, Poor
36	Maple	23	Fair, Poor
38	Elm	24	Poor
69	Maple	20.75	Fair
72	Ash	24	Fair, Poor
80	Maple	20.25	Fair, Poor
92	Ash	35.75	Poor
93	Ash	27	Fair, Poor
107	Maple	22.25	Damaged
112	Oak	30	Fair, Poor
117	Oak	24.5	Fair, Poor
138	Oak	32	Poor
142	Oak	30.5	Fair, Poor
153	Maple	24	Fair, Poor
155	Black Cherry	20.25	Critical
166	Oak	38.25	Fair, Poor
167	Maple	22.25	Fair, Poor
168	Oak	26.75	Poor
174	Maple	20	Fair, Poor
180	Maple	32.75	Fair, Poor
183	Black cherry	20.25	Diseased, Poor
186	Ash	23.5	Fair, Poor
199	Oak	29.5	Poor

200	Ash	21.25	Fair, Poor
218	Oak	22	Fair, Poor
226	Maple	25	Poor
227	Maple	26.75	Poor
239	Black Cherry	51	Critical
241	Black Cherry	22.25	Poor
245	Oak	25.75	Fair, Poor
247	Ash	20.75	Fair, Poor
248	Ash	22.5	Poor
249	Ash	22.25	Fair, Poor
251	Ash	25.75	Fair, Poor
254	Maple	47.75	Critical
264	Maple	27.25	Critical
269	Maple	28.75	Diseased, Poor
274	Elm	24.25	Dead
276	Douglas Fir	22.75	Diseased
278	Maple	40.25	Dead
279	Pine	32.5	Fair, Poor
281	Maple	27.25	Poor
284	Maple	23	Fair, Poor
288	Maple	34.25	Poor
306	Maple	33.25	Poor, Critical
308	Maple	21.25	Poor
310	Maple	25.25	Poor
315	Oak	25	Poor
323	Maple	36.75	Fair, Poor
326	Oak	23	Poor
330	Oak	22	Fair
335	Oak	32.75	Fair, Poor

339	Maple	25.5	Poor
341	Oak	21.25	Poor
344	Oak	29	Poor
345	Maple	25.25	Poor
349	Maple	23.75	Poor
351	Maple	26	Fair, Poor
353	Maple	23.75	Poor
359	Dead	21.25	Dead, Diseased
361	Dead	21.25	Dead
363	Maple	26.5	Poor
375	Maple	29	Poor
384	Maple	28.25	Poor, Critical
386	Maple	28	Poor
388	Maple	29.25	Poor, Critical
389	Ash	24.25	Fair, Poor
391	Maple	23.5	Poor
394	Elm	20.75	Critical
395	Maple	27	Poor
398	Black cherry	21.75	Critical
399	Black Cherry	34.25	Dead
401	Maple	39.5	Poor
402	Elm	25.75	Poor
412	Elm	26.75	Poor
414	Black Cherry	26.5	Critical
416	Elm	24	Diseased, Poor
419	Maple	22.5	Poor

420	Black Cherry	26.25	Diseased, Critical
422	Elm	26.75	Poor
429	Oak	22	Poor
431	Maple	25.75	Poor
433	Maple	21.75	Poor
434	Maple	20.5	Poor
439	Maple	21	Poor
457	Elm	32.5	Critical
473	Oak	22.25	Fair, Poor
480	Maple	33	Poor
483	Black Cherry	23.25	Diseased, Critical
485	Maple	23	Poor
486	Maple	22.5	Poor
490	Maple	20.75	Poor
495	Maple	23.5	Fair, Poor
499	Maple	24.25	Poor
508	Maple	26.5	Poor
519	Maple	20.75	Poor
521	Maple	21.5	Fair, Poor
525	Maple	23.5	Poor
527	Maple	20	Poor
528	Maple	41.5	Fair, Poor
532	Maple	20.5	Poor
535	Maple	23	Poor
537	Maple	21.75	Fair, Poor
544	Maple	22.25	Poor
547	Maple	21	Fair, Poor

TREE REMOVAL CALCULATIONS

	SPECIMEN	SIGNIFICANT
TOTAL DBH (INCHES)	2,855	6,027
REMOVAL DBH (INCHES)	1,371	1,990
PERCENTAGE REMOVED	48.0	33.1

SIGNIFICANT TREE TABLE

Tree ID #	Tree Species	DBH (in)	Tree Condition
1	Maple	10	Good, Fair
2	Maple	17	Fair
3	Maple	13.25	Critical
4	Ash	11	Poor
5	Ash	15.25	Poor
6	Ash	18.75	Poor
8	Cherry	11.5	Dead
9	Maple	18	Fair
11	Maple	10.75	Fair
13	Black Walnut	15.25	Damaged, Poor
14	Oak	11.5	Good, Fair
15	Black Walnut	16.5	Poor
16	Oak	14.25	Fair
17	Shagbark Hickory	13	Fair
18	Oak	15	Fair
19	Maple	17	Fair
20	Oak	11.75	Fair
21	Oak	14.75	Fair
22	Oak	11.75	Fair
23	Oak	11.25	Fair
24	Oak	11.5	Fair, Poor
25	Oak	10	Fair, Poor
26	Oak	10.75	Fair
27	Oak	11.5	Good
28	Oak	13.25	Fair
31	Maple	12.5	Fair
32	Maple	11.25	Fair, Poor
33	Walnut	19.25	Fair
35	Walnut	18	Fair
37	Elm	18	Poor
39	Black Cherry	11.75	Fair, Poor
40	Walnut	14	Poor
41	Oak	11	Good, Fair
42	Oak	14.75	Fair, Poor
43	Maple	15.25	Fair, Poor
44	Oak	13	Fair
45	Oak	10.75	Fair, Poor
46	Oak	11.25	Fair, Poor
47	Oak	11.75	Fair
48	Maple	10.5	Fair, Poor
49	Maple	10.25	Poor
50	Elm	11.75	Fair, Poor
51	Maple	10.25	Poor
52	Maple	10.75	Poor
53	Maple	11.5	Poor
54	Oak	11.5	Poor
55	Maple	10.25	Poor
56	Maple	10	Fair, Poor
57	Oak	10	Fair
58	Oak	15.25	Fair
59	Oak	19.25	Fair, Poor
60	Oak	11.75	Fair, Poor
61	Oak	11.25	Fair, Poor
62	Oak	14.75	Fair
63	Maple	13.25	Fair, Poor
64	Maple	13.25	Fair
65	Black Cherry	12	Diseased, Critical
66	Maple	10	Fair, Poor
67	Maple	14.25	Poor
68	Maple	19	Fair, Poor
70	Maple	19.5	Fair
71	Ash	12	Fair
73	Ash	19.5	Fair, Poor
74	Ash	12.75	Fair
75	Black Cherry	18.75	Diseased, Damaged, Critical
76	Oak	15.25	Poor
77	Black Cherry	15.25	Poor
78	Maple	10	Poor
79	Maple	10.25	Fair
81	Oak	16.25	Fair, Poor
82	Oak	10.75	Poor
83	Oak	14.25	Damaged, Poor
84	Oak	13.75	Poor
85	Maple	13.75	Fair, Poor
86	Oak	18.75	Poor

87	Oak	13.25	Dead
88	Oak	13.25	Poor
89	Black Cherry	10.75	Dead
90	Oak	11	Fair, Poor
91	Ash	10.25	Poor
94	Oak	10.25	Poor
95	Oak	10.75	Poor
96	Oak	11.5	Poor
97	Oak	12	Poor
98	Oak	13	Fair, Poor
99	Oak	15.25	Poor
100	Oak	11.75	Poor
101	Oak	16	Poor
102	Oak	11.75	Poor
103	Oak	13.5	Fair, Poor
104	Oak	10.5	Fair
105	Oak	16.25	Fair
106	Oak	19	Fair
108	Maple	11	Fair
109	Maple	16.75	Poor
110	Oak	16.75	Fair, Poor
111	Oak	15	Fair, Poor
113	Oak	13.75	Poor
114	Oak	13.5	Poor
115	Maple	17.25	Dead
116	Oak	11	Fair, Poor
118	Maple	15	Fair, Poor
119	Oak	15	Poor
120	Oak	13	Fair, Poor
121	Oak	14.25	Fair, Poor
122	Oak	12	Fair, Poor
123	Oak	11.5	Poor
124	Maple	15.5	Poor
125	Maple	12.25	Damaged, Fair, Poor
126	Maple	10	Poor
127	Maple	10.75	Fair, Poor
128	Ash	10.25	Fair, Poor
129	Maple	12	Fair, Poor
130	Oak	20	Poor
131	Maple	12.75	Fair
132	Hickory	12.75	Fair, Poor
133	Maple	15.75	Poor
134	Shagbark Hickory	12.5	Fair, Poor
135	Maple	18.5	Fair, Poor
136	Dead	12.5	Dead
137	Maple	10.75	Fair, Poor
139	Maple	11.75	Fair, Poor
140	Maple	13.25	Fair
141	Hickory	11.5	Fair
143	Oak	12.5	Good, Fair
144	Maple	11	Fair
145	Maple	11	Fair, Poor
146			
147	Shagbark Hickory	11	Fair, Poor
148	Maple	11.5	Fair
149	Oak	14.75	Poor
150	Black Cherry	11.5	Fair, Poor
151	Maple	15.5	Fair, Poor
152	Black Cherry	10.25	Damaged, Critical
154	Maple	10	Fair, Poor
156	Maple	14.75	Fair, Poor
157	Maple	13.25	Fair
158	Maple	12.5	Fair, Poor
159	Maple	11.5	Fair, Poor
160	Oak	15	Diseased, Damaged, Critical
161	Maple	16.75	Poor
162	Maple	10.25	Fair, Poor
163	Maple	18.25	Fair, Poor
164	Black Cherry	12.5	Dead, Diseased
165	Maple	14.5	Fair, Poor
169	Black Cherry	12.75	Poor
170	Black Cherry	18.75	Poor
171	Maple	13	Fair, Poor
172	Maple	19.75	Fair, Poor
173	Maple	18	Fair, Poor

175	Dead	14.5	Dead
176	Maple	12.5	Fair, Poor
177	Maple	11.75	Fair, Poor
178	Black Cherry	16	Damaged, Poor
179	Maple	14.25	Fair, Poor
181	Ash	12.5	Fair, Poor
182	Black cherry	16.75	Diseased, Critical
184	Maple	10.5	Dead, Critical
185	Oak	15.5	Fair, Poor
187	Oak	10.75	Poor
188	Maple	10	Fair, Poor
189	Maple	10.25	Critical
190	Maple	15	Fair, Poor
191	Oak	11.75	Fair, Poor
192	Maple	12.5	Poor
193	Oak	14.75	Fair
194	Linden	11.5	Fair, Poor
195	Oak	11	Fair, Poor
196	Oak	18.75	Fair
197	Maple	11.75	Fair
198	Oak	19.25	Fair
201	Ash	13.5	Poor
202	Ash	19.5	Fair, Poor
203	Oak	15.75	Fair, Poor
204	Black cherry	11	Dead, Diseased
205	Oak	15.25	Fair, Poor
206	Maple	12.5	Fair, Poor
207	Black Cherry	15.5	Poor
208	Maple	12.75	Fair, Poor
209	Ash	18.5	Fair, Poor
210	Maple	18.25	Fair, Poor
211	Ash	13.75	Diseased, Critical
212	Maple	10	Poor
213	Maple	12.75	Poor
214	Oak	13	Fair, Poor
215	Maple	16	Fair, Poor
216	Maple	14	Dead
217	Maple	18.75	Poor
219	Black Cherry	17.25	Poor
220	Black Cherry	15	Fair, Poor
221	Dead	17.5	Dead
222	Black cherry	17.25	Dead, Diseased
223	Maple	11	Fair, Poor
224	Oak	18.25	Fair
225	Maple	15.5	Diseased, Poor
228	Maple	12.75	Poor
229	Oak	13	Fair
230	Black cherry	12.75	Dead, Diseased
231	Maple	13.25	Fair, Poor
232	Black Cherry	15.25	Poor
233	Black Cherry	14.25	Fair
234	Black Cherry	10.25	Dead
235	Black Cherry	10	Poor
236	Black Cherry	10	Poor
237	Black Cherry	12.5	Poor
238	Black Cherry	13.25	Dead
240	Black Cherry	13.75	Poor
242	Maple	11.75	Critical
243	Maple	10	Fair, Poor
244	Maple	12.25	Fair, Poor
246	Black cherry	19.75	Critical
250	Ash	19.75	Fair, Poor
252	Maple	12.75	Fair, Poor
253	Maple	10.75	Poor
255	Maple	10.5	Fair, Poor
256	Maple	11.5	Fair, Poor
257	Maple	10.5	Fair, Poor
258	Ash	15.75	Dead
259	Maple	14.25	Diseased, Poor

260	Maple	13	Dead
261	Ash	14.25	Fair, Poor
262	Maple	10.75	Diseased, Poor
263	Maple	10	Fair, Poor
265	Maple	15.5	Fair, Poor
266	Elm	13.25	Poor
267	Elm	11.75	Critical
268	Elm	17.5	Fair, Poor
270	Elm	20	Poor
271	Elm	17	Poor
272	Elm	14.75	Poor
273	Elm	13.5	Poor
275	Ash	13.75	Dead
277	Maple	12.5	Poor
280	Ash	18	Fair, Poor
282	Black Cherry	18.75	Poor
283	Black Cherry	13	Fair, Poor
285	Maple	12.75	Fair
286	Maple	14.75	Fair, Poor
287	Maple	13	Poor
289	Maple	18	Poor
290	Maple	13.5	Poor
291	Maple	11	Fair, Poor
292	Maple	11	Poor
293	Oak	18.25	Poor
294	Ash	16.25	Poor, Critical
295	Oak	10	Poor
296	Oak	13.25	Fair, Poor
297	Oak	13	Fair
298	Oak	13	Fair
299	Oak	16	Fair, Poor
300	Oak	15.75	Fair, Poor
301	Oak	11.75	Poor
302	Oak	13.25	Fair, Poor
303	Maple	12.5	Fair, Poor
304	Black Cherry	16.25	Poor
305			
307	Maple	13.75	Poor
309	Maple	12.5	Poor
311	Maple	12	Poor, Critical
312	Oak	11.25	Poor
313	Black cherry	14.5	Poor
314	Maple	13.5	Poor
316	Maple	11.25	Fair, Poor
317	Oak	13.25	Fair, Poor
318	Maple	12.75	Poor
319	Oak	15.25	Fair
320	Maple	15.25	Fair, Poor
321	Maple	11	Fair
322	Maple	14.5	Poor
324	Maple	10.25	Fair, Poor
325	Maple	10.75	Fair, Poor
327	Oak	18.25	Fair, Poor
328	Ash	10	Fair, Poor
329	Oak	11.75	Fair, Poor
331	Oak	16.75	Fair, Poor
332	Maple	11.75	Poor
333	Maple	12	Fair, Poor
334	Shagbark Hickory	14.25	Poor
336	Oak	18	Fair
337	Oak	15.5	Fair
338	Oak	16.5	Fair, Poor
340	Oak	15.25	Fair, Poor
342	Oak	15	Fair, Poor
343	Maple	16.5	Poor
346	Maple	10	Poor
347	Maple	14.5	Fair, Poor
348	Maple	11.25	Fair, Poor
350	Dead	14	Dead
352	Oak	11.75	Critical
354	Maple	17.5	Critical
355	Black cherry	18.5	Diseased, Critical
356	Maple	16	Fair, Poor
357	Maple	10.75	Poor
358	Maple	10.75	Poor
360	Black cherry	12	Critical

362	Maple	11	Fair, Poor
364	Maple	12.5	Poor
365	Maple	12.5	Poor
366	Maple	11.25	Poor
367	Oak	13.5	Fair
368	Maple	18.5	Poor
369	Maple	15.5	Fair, Poor
370	Maple	13.5	Critical
371	Oak	15	Fair
372	Maple	13.5	Fair, Poor
373	Maple	11.75	Poor
374	Black Cherry	18.75	Poor, Critical
376	Maple	17.25	Poor
377	Maple	14.25	Poor
378	Maple	11.75	Fair, Poor
379	Maple	14.5	Poor
380	Maple	11.25	Poor
381	Black Cherry	16	Critical
382	Black Cherry	11.75	Dead
383	Maple	10.75	Fair
385	Maple	13.75	Fair, Poor
387	Maple	17.25	Poor
390	Maple	18.75	Poor, Critical
392	Elm	18.5	Critical
393	Maple	14.75	Poor
396	Black cherry	10.25	Dead
397	Maple	19.5	Poor
400	Elm	14.75	Fair, Poor
403	Elm	18.75	Poor
404	Elm	10.5	Fair, Poor
405	Elm	18.75	Fair, Poor
406	Elm	14.75	Fair, Poor
407	Maple	16.75	Fair
408	Elm	18.75	Fair, Poor
409	Elm	19.25	Poor
410	Elm	14.75	Fair, Poor
411	Elm	19.25	Poor
413	Oak	13.75	Poor
415	Elm	14.75	Poor
417	Elm	13.75	Fair, Poor
418	Elm	13.75	Poor
421	Maple	12.5	Poor
423	Maple	12.5	Poor
424	Elm	11.75	Fair, Poor
425	Maple	15	Critical
426	Black Cherry	14.25	Dead
427	Maple	11</	



CONSULTANT:

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REVIEW AND APPROVAL

- 15 FEB 23 SUBMISSION TO TOWN
- 11 NOV 22 SUBMISSION TO TOWN
- 20 OCT 22 GPI CONCEPT FOR REVIEW
- 16 SEP 22 CONCEPT FOR REVIEW

MARK: DATE: DESCRIPTION:

OWNER:
JW CONGREGATION SUPPORT, INC.
1005 RED MILLS ROAD
WALLKILL, NY 12589-3283

PROJECT TITLE:
NEWBURGH KINGDOM HALL OF JEHOVAH'S WITNESSES
33 OLD LITTLE BRITAIN RD
NEWBURGH, NY 12550

SHEET TITLE:
SITE PLAN

PROJECT No. **37147**

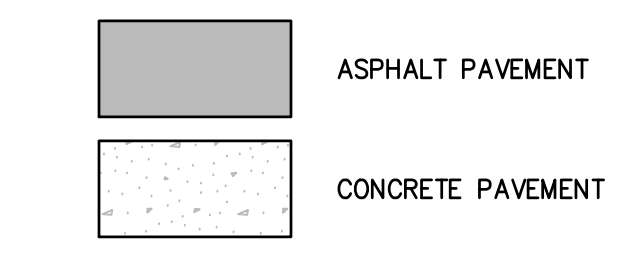
SHEET No. **CS101**

SITE SIGN TABLE				
SIGN NO.	DESC.	M.U.T.C.D NO./SIZE	QTY	COLOR*
1		R1-1 30" x 30"	1	LEGEND: RED-RETROFLECTIVE BACKGROUND; WHITE-RETROFLECTIVE
2		R7-8 12" x 18"	3	LEGEND: GREEN-RETROFLECTIVE BACKGROUND; WHITE-RETROFLECTIVE SYMBOL BACKGROUND; BLUE-RETROFLECTIVE
3		R7-8a 12" x 6"	1	LEGEND: GREEN-RETROFLECTIVE (OR BLACK) BACKGROUND; WHITE-RETROFLECTIVE
4		R7-1 12" x 18"	1	LEGEND: RED BACKGROUND; WHITE-RETROFLECTIVE

GENERAL SHEET NOTES

- REFER TO C-001 COVER SHEET FOR GENERAL NOTES REFERENCING SURVEY INFORMATION, DATUMS, GENERAL PROJECT AND CONSTRUCTION INFORMATION.
- CONTRACTOR SHALL PROVIDE AND INSTALL TRAFFIC CONTROL DEVICES IN CONFORMANCE WITH MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MOST RECENT EDITION AS REVISED) AND AS REQUIRED BY THE TOWN OF NEWBURGH'S HIGHWAY DEPARTMENT. DURING CONSTRUCTION WITHIN THE PUBLIC R.O.W, CONTRACTOR SHALL BE RESPONSIBLE FOR TRAFFIC CONTROL IN THE PROJECT AREA.
- REQUIRED SIGNAGE AND STRIPING OF FIRE ZONES OR ACCESS LANES SHALL BE AS REQUIRED BY FIRE OFFICIAL.
- PAINT ALL PARKING STALLS, STOP BARS, CROSSWALKS AND HANDICAP ACCESSIBLE SPACES. ALLOW PAVING TO AGE 30 DAYS BEFORE APPLYING MARKINGS.
- DIMENSIONS SHOWN ON PLANS ARE TO FACE OF CURB UNLESS OTHERWISE NOTED.
- SOLID WASTE WILL BE PRIVATELY HANDLED. WASTE ACCUMULATED DAILY IS FROM LITTLE TO NONE AND IS DISPOSED OFF-SITE BY THE PATRONS. NO KITCHENS OR DAY CARE SERVICES WILL BE PART OF THE USE OF THE BUILDING. NO DUMPSTER OR MUNICIPAL SERVICE IS NECESSARY.
- DEMOLITION OF THE EXISTING BUILDINGS ON SITE WILL REQUIRE A DEMOLITION PERMIT FROM THE TOWN OF NEWBURGH BUILDING DEPARTMENT.

PAVEMENT LEGEND



SYMBOLS LEGEND

	EXISTING	PROPOSED
PROPERTY BOUNDARY	---	---
BUILDING SETBACK LINE	---	---
BUILDING	---	---
EDGE OF PAVEMENT	---	---
CURB	---	---
FENCE	---	---
SIGN	---	---
WHEEL STOP	---	---
BOLLARD	---	---
ACCESSIBLE PARKING	---	---
LIGHT POLE (1-LIGHT)	---	---
HYDRANT	---	---
UTILITY POLE	---	---
PARKING SPACE COUNT	---	---

SHEET KEYNOTES

- STANDARD ASPHALT PAVEMENT. SEE DETAIL 12, SHEET C-502
- SIDEWALK CONCRETE PAVEMENT. SEE DETAIL 6/C-501
- 18" WIDE CONCRETE EDGE
- ACCESSIBLE SIGNAGE AND STRIPING PER AHJ STANDARDS. FACE OF SIGN SHALL BE A MINIMUM OF 2' FROM EDGE OF CURB. SEE DETAILS 2, 3, 4, AND 5, SHEET C-501
- HANDICAP RAMP, TYPE 2. SEE DETAIL 10/C-501
- 10'x18' STRIPED PEDESTRIAN ACCESS. SEE DETAIL 3/C-501
- 6" VERTICAL TURNDOWN SIDEWALK PAVEMENT. SEE DETAIL 15/C-501
- 6" VERTICAL REVEAL CURB, TAPERED TO FLUSH AT EACH END. SEE DETAIL 14/C-501
- 4" WIDE TRAFFIC WHITE STRIPING, TYP. SEE DETAIL 9/C-501
- PROPOSED RETAINING WALL WITH MONUMENT SIGN
- EXISTING ABANDONED HOUSE TO BE REMOVED
- EXISTING ABANDONED GARAGE TO BE REMOVED
- EXISTING GRAVEL DRIVE AND SIDEWALK TO BE REMOVED
- EXISTING WELL TO BE CAPPED AND ABANDONED
- CONCRETE HVAC PAD
- PROPOSED TREE LINE
- PROPOSED SLIDE GATE
- PROPOSED DEDICATION OF 25' RIGHT-OF-WAY
- SIGHT DISTANCE MEASUREMENTS

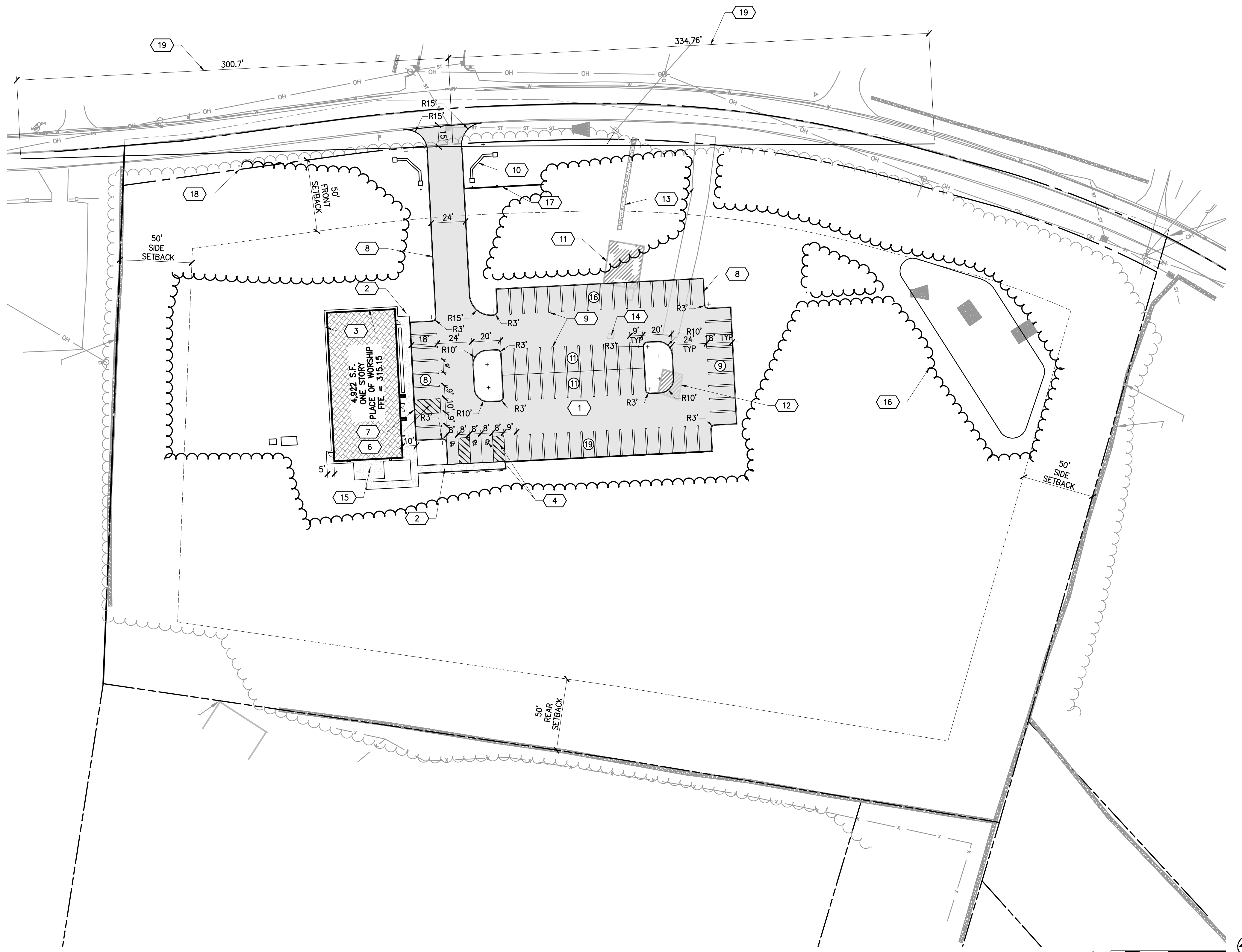
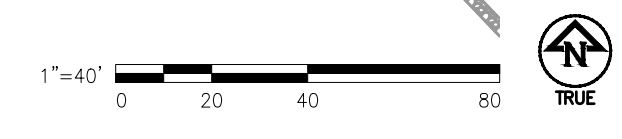


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PLANTING SCHEDULE					
QTY	QTY	BOTANICAL NAME	COMMON NAME	SIZE	CONDITION
TREES					
6	AR	ACER RUBRUM	RED MAPLE	2.5"-3" CAL.	B&B
4	QP	QUERCUS PALUSTRIS	PIN OAK	2.5"-3" CAL.	B&B
SHRUBS					
15	Ig	ILEX GLABRA 'SHAMROCK'	INKBERRY	24"-30" HT.	B&B
11	Ca	CLETHRA ALNIFOLIA 'HUMMINGBIRD'	HUMMINGBIRD SUMMERSWEET	#5 CONT.	CONT.
3	Ht	HYDRANGEA GRANDIFLORA 'TARDIVA'	TARDIVA PEE GEE HYDRANGEA	4'-5" HT.	B&B
PERENNIALS					
74	hm	HIBISCUS MOSCHEUTOS 'LUNA PINK SWIRL'	HARDY HIBISCUS	#2 CONT.	CONT.
31	pa	PENNISETUM ALOPECUROIDES 'LITTLE BUNNY'	FOUNTAIN GRASS	#1 CONT.	CONT.

GROUND COVER LEGEND

FLOWERING GROUNDCOVER (225 SF)		PROPOSED
LOW GROUNDCOVER (11,269 SF)		
MULCH (1,754 SF)		
LAWN (10,670 SF)		

GENERAL LANDSCAPE NOTES

- REFER TO C-001 COVER SHEET FOR GENERAL NOTES REFERENCING SURVEY INFORMATION, DATUMS, GENERAL PROJECT AND CONSTRUCTION INFORMATION.
- NAMES OF PLANTS DESCRIBED ON THIS PLAN CONFORM TO THOSE GIVEN IN "STANDARDIZED PLANT NAMES", 1942 EDITION, PREPARED BY THE AMERICAN JOINT COMMITTEE ON HORTICULTURAL NOMENCLATURE. NAMES OF PLANT VARIETIES NOT INCLUDED THEREIN CONFIRM TO NAMES GENERALLY ACCEPTED IN NURSERY TRADE.
- ALL EXPOSED GROUND SURFACES THAT ARE NOT PAVED WITHIN THE LIMIT OF DISTURBANCE LINE AND THAT ARE NOT COVERED BY LANDSCAPE PLANTING OR SEEDING AS SPECIFIED, SHALL BE COVERED BY A NATURAL MULCH THAT WILL PREVENT SOIL EROSION AND THE RELEASE OF DUST.
- NO PLANT SHALL BE PUT INTO THE GROUND BEFORE ROUGH GRADING HAS BEEN COMPLETED.
- STANDARDS FOR TYPE, SPREAD HEIGHT, ROOT BALL AND QUALITY OF NEW PLANT MATERIAL SHALL BE IN ACCORDANCE WITH GUIDELINES AS SET FORTH IN THE "AMERICAN STANDARD FOR NURSERY STOCK", PUBLISHED BY THE AMERICAN NURSERY AND LANDSCAPE ASSOCIATION. PLANT MATERIAL SHALL HAVE NORMAL HABIT OF GROWTH AND BE HEALTHY, VIGOROUS, AND FREE FROM DISEASES AND INSECT INFESTATION.
- NEW PLANT MATERIAL SHALL BE NURSERY GROWN UNLESS OTHERWISE SPECIFIED. ALL PLANTS SHALL BE SET PLUMB AND SHALL BEAR THE SAME RELATIONSHIP TO FINISHED GRADE AS THE PLANT'S ORIGINAL GRADE BEFORE DIGGING. PLANT MATERIAL OF THE SAME SPECIES AND SPECIFIED AS THE SAME SIZE SHOULD BE SIMILAR IN SHAPE, COLOR, HABIT.
- ALL LANDSCAPE AREAS TO BE CLEARED OF ROCKS, STUMPS, TRASH AND OTHER UNSIGHTLY DEBRIS. ALL FINE GRADED AREAS SHOULD BE HAND RAKED SMOOTH ELIMINATING ANY CLUMPS AND UNEVEN SURFACES PRIOR TO PLANTING OR MULCHING.
- ALL PLANTS SHALL BE WATERED THOROUGHLY TWICE DURING THE FIRST 24 HOUR PERIOD AFTER PLANTING. ALL PLANTS SHALL THEN BE WATERED WEEKLY OR AS REQUIRED BY SITE AND WEATHER CONDITIONS TO MAINTAIN VIGOROUS AND HEALTHY PLANT GROWTH. CONTRACTOR MAY NEED TO ADJUST QUANTITY AND FREQUENCY OF WATERING TO ENSURE PROPER ESTABLISHMENT.
- NEW PLANT MATERIAL SHALL BE GUARANTEED TO BE ALIVE AND IN VIGOROUS GROWING CONDITION FOR A PERIOD OF ONE YEAR FOLLOWING ACCEPTANCE BY THE OWNER.
- THE BACKFILL MIXTURE AND SOIL MIXES TO BE INSTALLED PER SPECIFICATIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TESTING OF SOILS AND MAKE THE NECESSARY ADJUSTMENTS OR AMENDMENTS FOR LONG TERM PLANT HEALTH AND VITALITY.
- FOR ANY DISCREPANCIES BETWEEN THE PLANT SCHEDULE AND THE PLANTING PLAN, THE GRAPHIC QUANTITY SHOWN SHALL GOVERN.
- ALL FENCE OR GUIDE RAIL INSTALLATIONS SHALL BE COMPLETED PRIOR TO STARTING ANY LANDSCAPE PLANTING, LAWN, GRASSES OR IRRIGATION WORK.
- ALL PLANT INSTALLATIONS SHALL BE COMPLETED EITHER BETWEEN APRIL 1 - JUNE 15 OR AUGUST 15 - NOVEMBER 1, UNLESS OTHERWISE DIRECTED BY PROJECT LANDSCAPE ARCHITECT.
- EXISTING TREES WITHIN AND ADJACENT TO THE LIMITS OF CONSTRUCTION AND SPECIFIED TO REMAIN ARE TO BE PROTECTED THROUGHOUT CONSTRUCTION PER LOCAL REGULATORY AGENCY REGULATIONS. DAMAGE MAY BE CAUSED BY OPERATION OF EQUIPMENT, STOCKPILING OF MATERIALS, COMPACTION OF ROOT ZONE, DRIVING OR PARKING WITHIN DRIFLINE OF TREES, OR THE SPILLAGE OF DELETERIOUS CHEMICALS, OILS, DIESEL, ETC. WITHIN THE DRIFLINE OF TREES.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE FINAL STAKING OF TREES BASED ON SITE CONDITIONS, TO PROVIDE FOR THE STABILITY OF THE TREE AND MATERIALS AND TO PROTECT THE HEALTH AND SAFETY OF THE PUBLIC/PROPERTY.

CIVIL ENGINEER

518.483.9437
Greenman-Pedersen, Inc.
80 Wolf Road, Suite 300
Albany, NY 12205

CONSULTANT:

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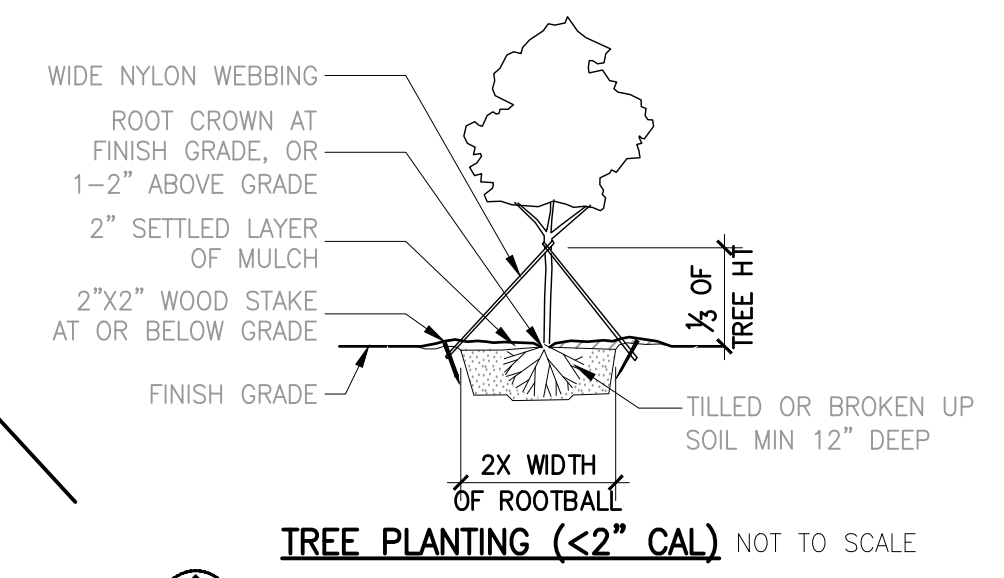
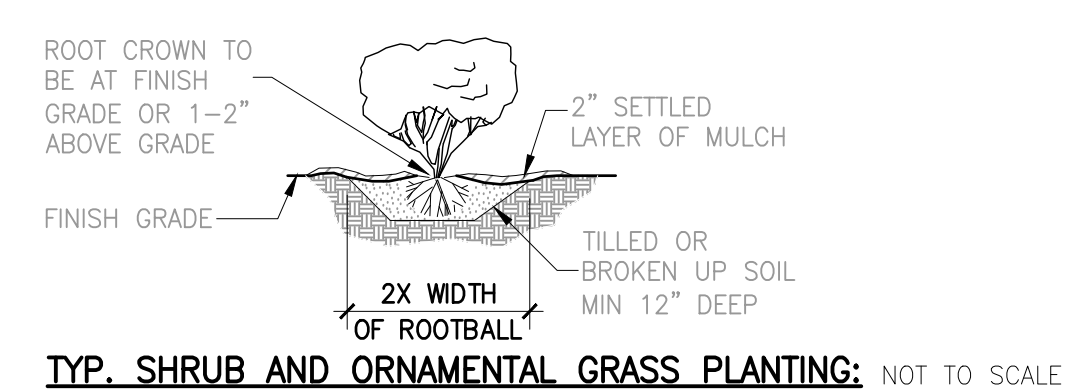
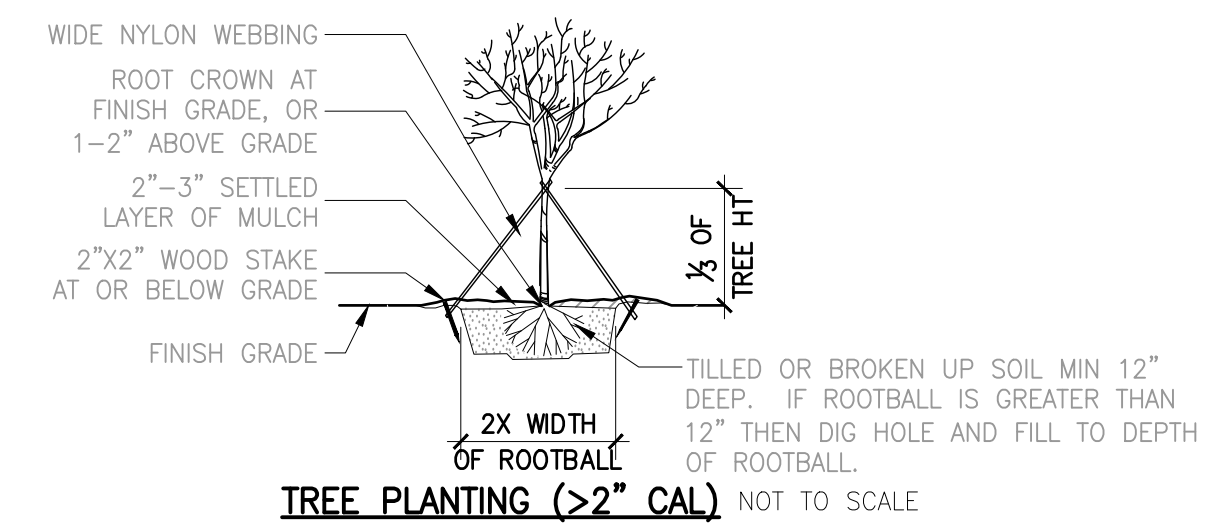
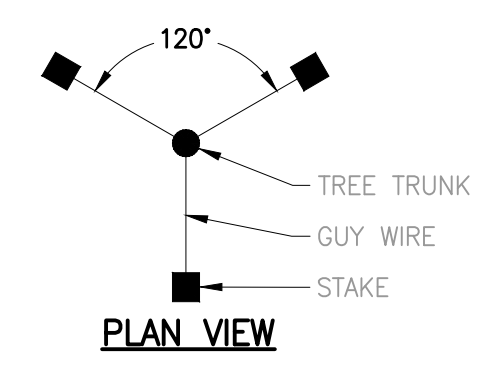
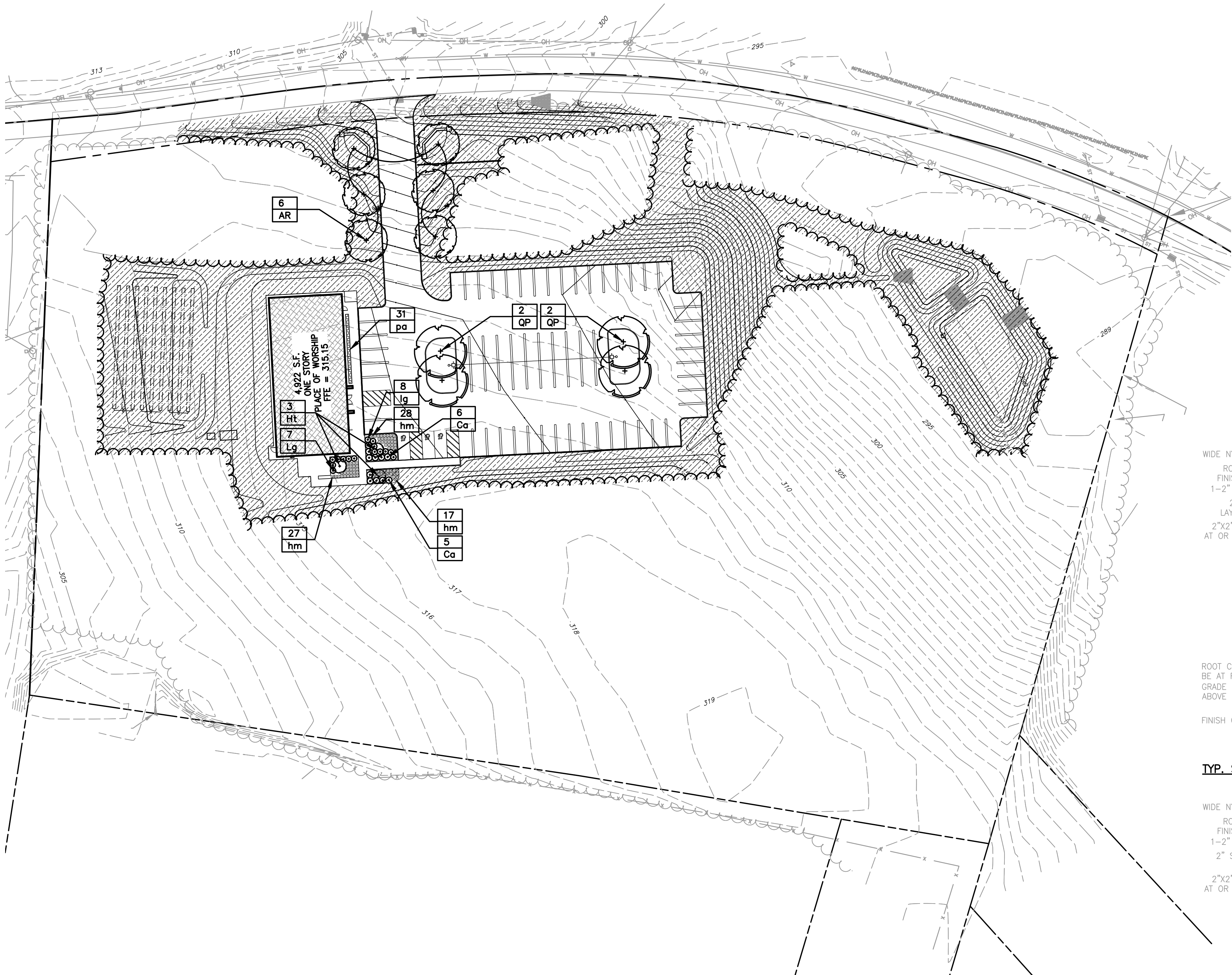


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15 FEB 23 SUBMISSION TO TOWN
11 NOV 22 SUBMISSION TO TOWN
20 OCT 22 GPI CONCEPT FOR REVIEW
16 SEP 22 CONCEPT FOR REVIEW

MARK: DATE: DESCRIPTION:

OWNER:
JW CONGREGATION SUPPORT, INC.
1005 RED MILLS ROAD
WALLKILL, NY 12589-3283

PROJECT TITLE:
NEWBURGH KINGDOM HALL OF JEHOVAH'S WITNESSES
33 OLD LITTLE BRITAIN RD
NEWBURGH, NY 12550

SHEET TITLE:
LANDSCAPING PLAN

PROJECT No. **37147**

SHEET No. **LP101**



CONSULTANT:

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15 FEB 23	SUBMISSION TO TOWN
11 NOV 22	SUBMISSION TO TOWN
20 OCT 22	GPI CONCEPT FOR REVIEW
16 SEP 22	CONCEPT FOR REVIEW

MARK: DATE: DESCRIPTION:

OWNER:
JW CONGREGATION SUPPORT, INC.
1005 RED MILLS ROAD
WALLKILL, NY 12589-3283

PROJECT TITLE:
NEWBURGH KINGDOM HALL OF JEHOVAH'S WITNESSES
33 OLD LITTLE BRITAIN RD
NEWBURGH, NY 12550

SHEET TITLE:
SITE DETAILS

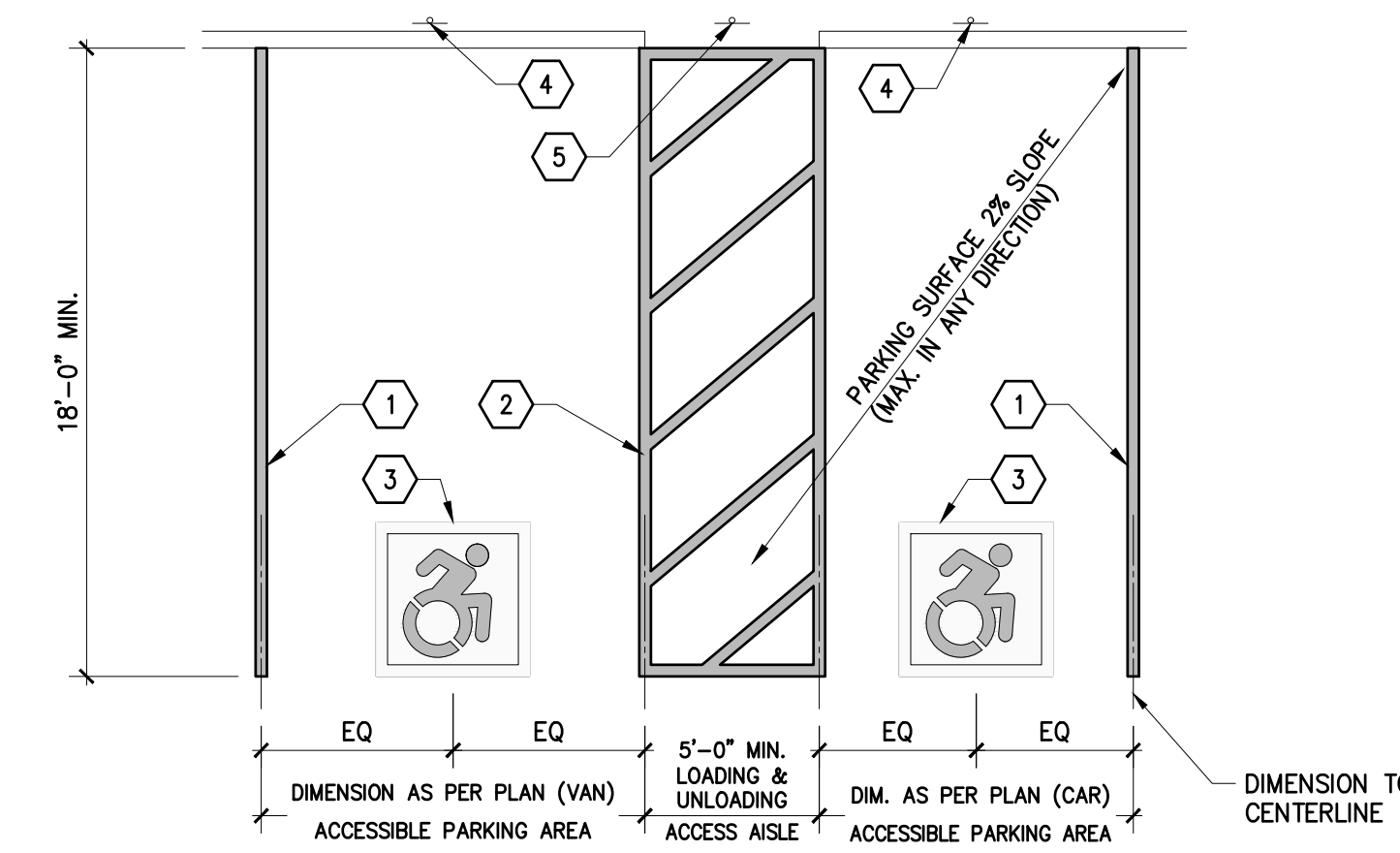
PROJECT No. **37147**

SHEET No. **C-501**

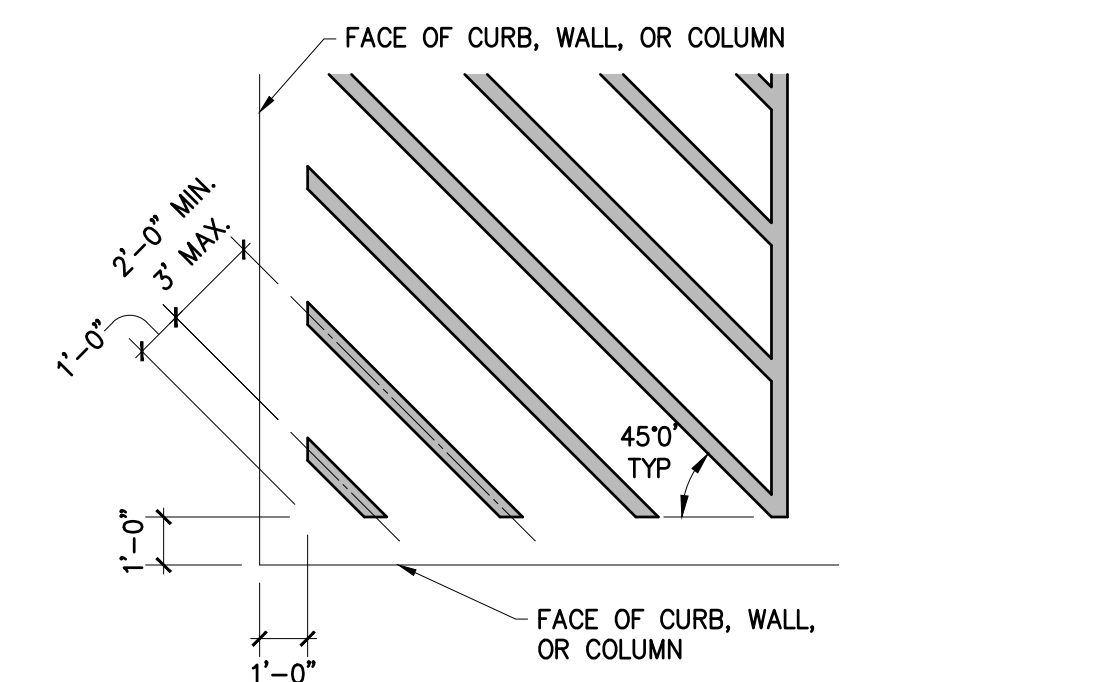
DETAIL KEYNOTES

THIS DETAIL CONTAINS TYPICAL SPECIFICATIONS, CONSULT PLAN FOR ACTUAL LAYOUT OF PAVEMENT MARKING AND SIGNS.

1. PARKING AREA SHALL BE MARKED BY 4" WIDE BORDER. COLOR SHALL BE PER LOCAL AHJ REQUIREMENTS. APPLIES TO BOTH SIDES OF ACCESS AISLE AT DOUBLE PARKING STALLS*
2. ACCESS AISLE SHALL BE MARKED BY 4" WIDE BORDER. WITHIN BORDER, HATCHED LINES 36" O.C. MAX. SHALL BE PAINTED COLOR CONTRASTING WITH PARKING SURFACE PER LOCAL AHJ REQUIREMENTS.
3. NYS INTERNATIONAL SYMBOL OF ACCESS PAVEMENT MARKING. SEE DETAIL 5/C-501
4. ACCESSIBLE PARKING SIGN. SEE SEPARATE DETAIL 2/C-501
5. NO PARKING SIGN. SEE SHEET CS-101.

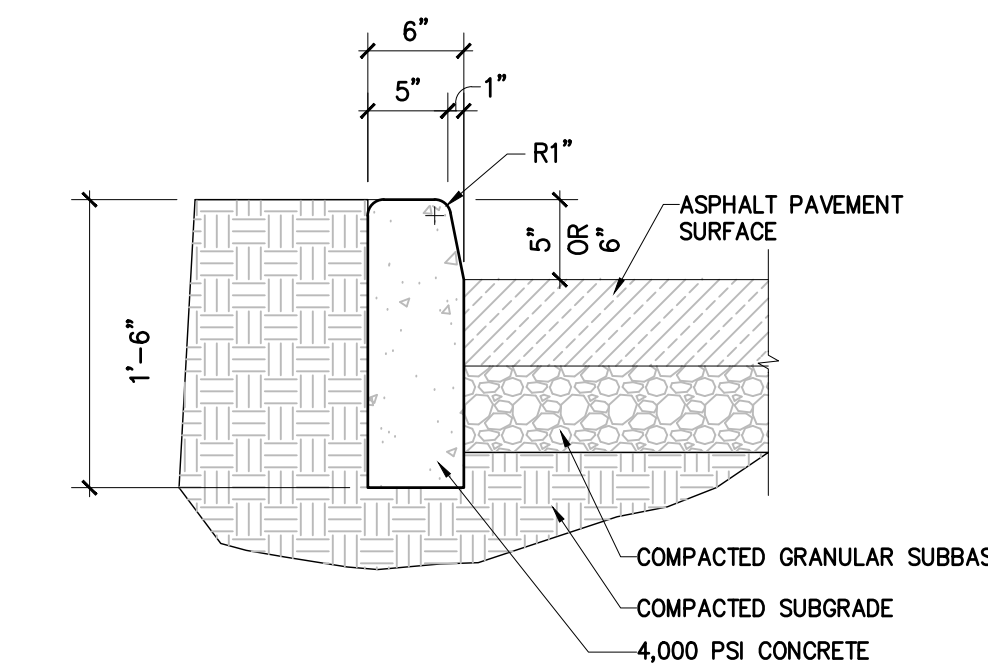


4 DETAIL - ACCESSIBLE PARKING STRIPING



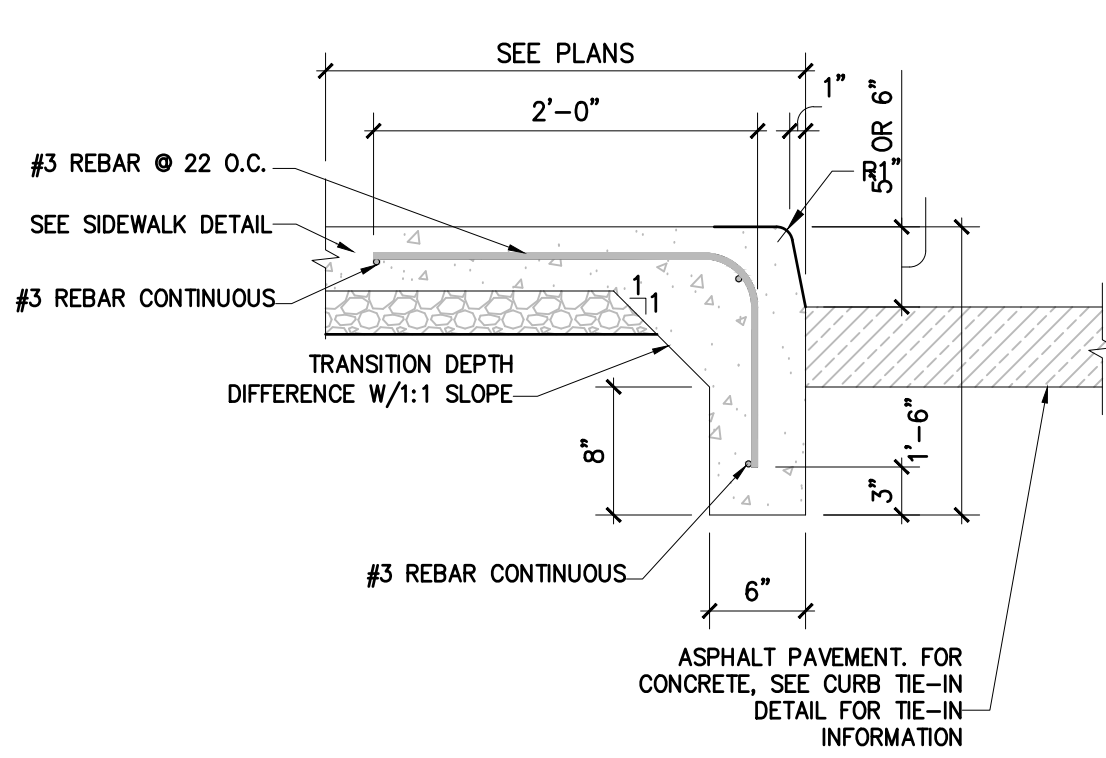
- NOTES:
1. APPLY MPI#97, WATER-BASED, LATEX MARKING PAINT AT A RATE OF ONE GALLON PER 300-400 LF OF FOUR INCH WIDE STRIPES OR TO MANUFACTURER'S SPECIFICATION TO A MINIMUM THICKNESS OF 15 MILS. APPLY STRIPES STRAIGHT AND EVEN WHEN TEMPERATURES ARE WITHIN 50F AND 95F. ALLOW PAVING TO AGE 30 DAYS BEFORE APPLYING MARKINGS.
 2. WHITE PAINT FOR ASPHALT, YELLOW PAINT FOR CONCRETE.

3 DETAIL - DIAGONAL STRIPING (TYP)

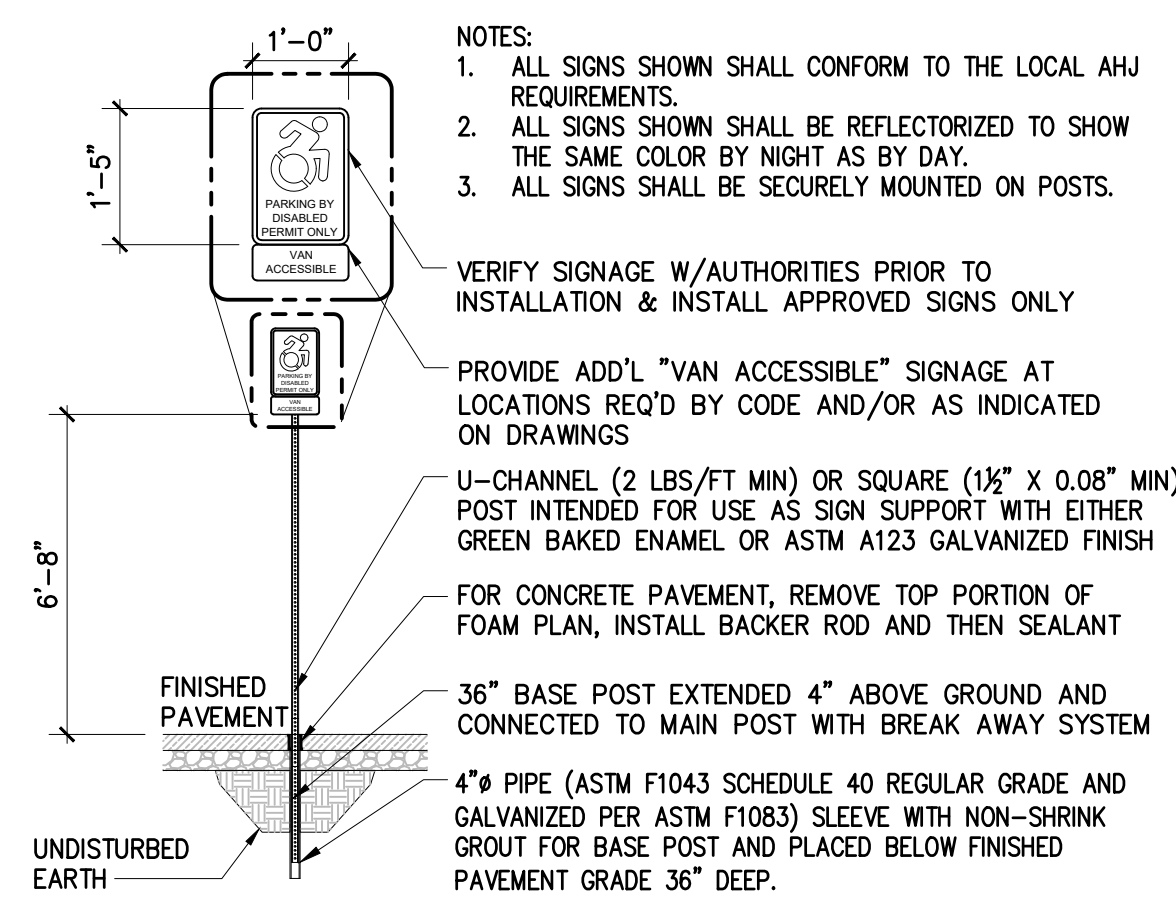


- NOTES:
1. CONTRACTION JOINTS 1/2" WIDE SHALL BE INSTALLED IN THE CURB IN INTERVALS OF 10 FEET AND SHALL BE FILLED WITH PREFORMED BITUMINOUS JOINT FILLER.
 2. ALL CURBS SHALL BE INSTALLED ON AN APPROVED, COMPACTED SUBGRADE. WHERE DIRECTED BY THE ENGINEER.
 3. ISOLATION JOINTS REQUIRED AT ALL STRUCTURES AND CURB RETURNS.
 4. IN COLDER CLIMATES USE 3%-6% AIR ENTRAINMENT.

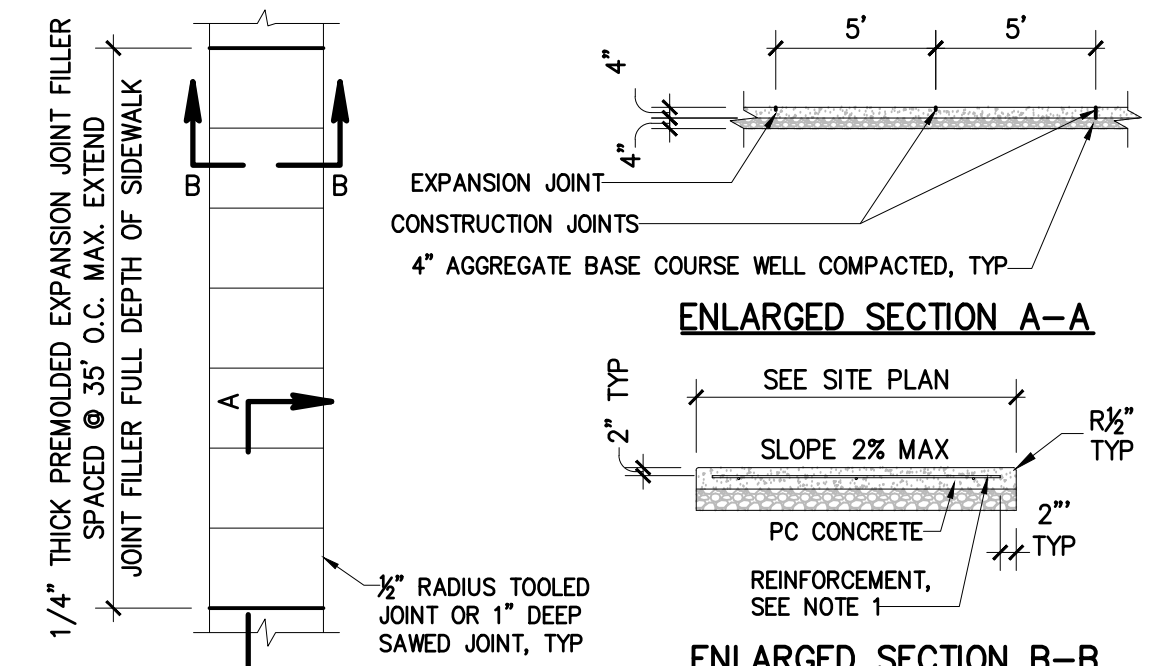
8 DETAIL - VERTICAL CONCRETE CURB



7 DETAIL - SIDEWALK TURNDOWN WITH INTEGRATED CURB

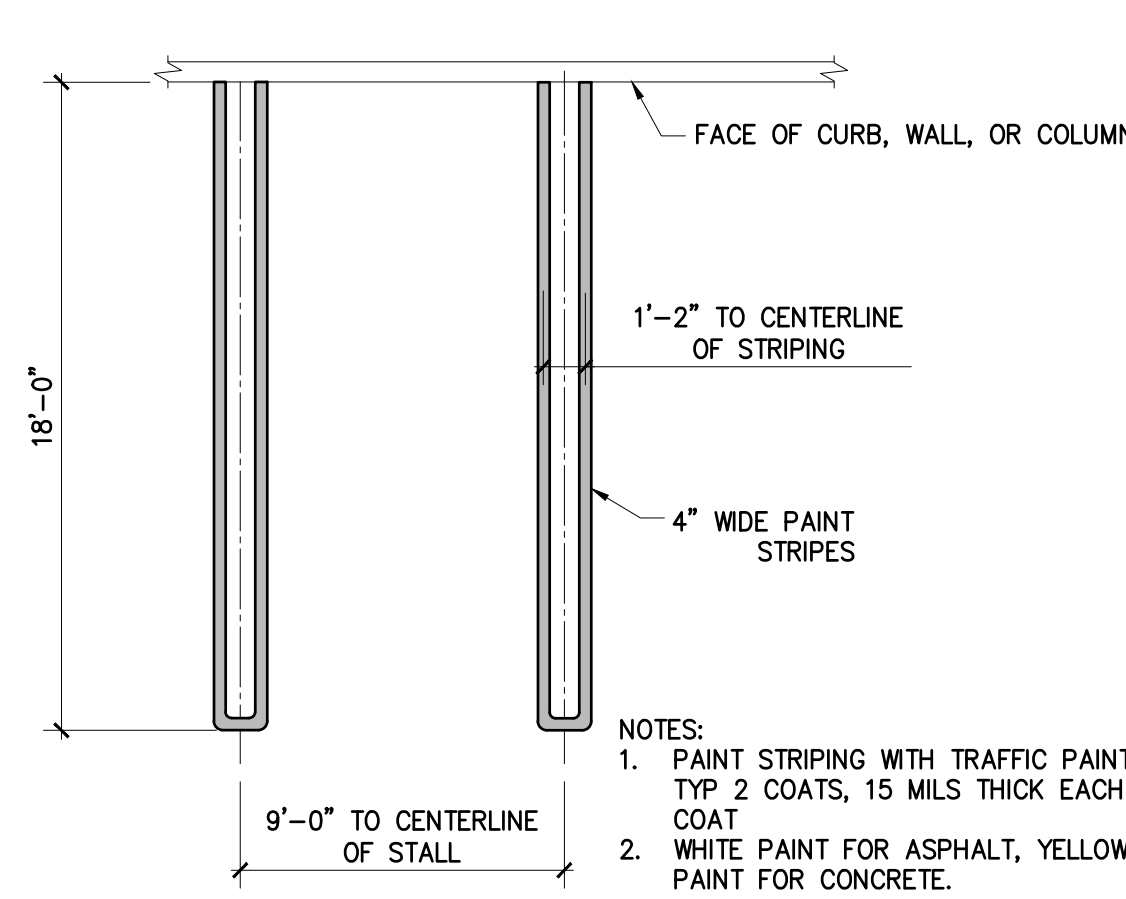


2 DETAIL - ACCESSIBLE PARKING SIGN

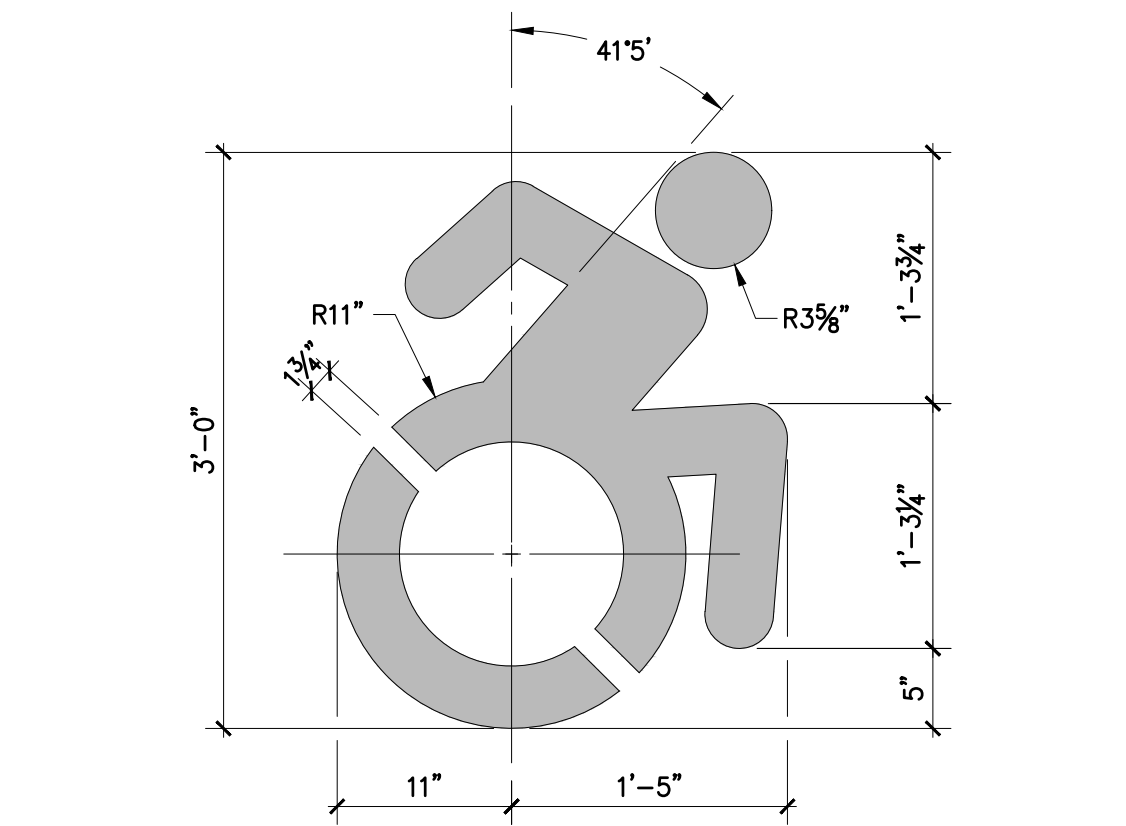


- NOTES:
1. WHERE REQUIRED REINFORCEMENT WILL BE No. 3 BARS 22" O.C. EACH WAY MAX. SPACING
 2. PROVIDE 1/2" ISOLATION JOINT BETWEEN SIDEWALK AND ALL FIXED OBJECTS
 3. PROVIDE AIR ENTRAINMENT MEETING PROJECT SPECIFICATIONS.
 4. CONCRETE SHALL BE 4,000 PSI
 5. SIDEWALKS MEETING EXISTING SIDEWALKS SHALL MATCH PATTERN, FINISH AND COLOR OF EXISTING SIDEWALKS.

6 DETAIL - CONCRETE SIDEWALK



1 DETAIL - PARKING STRIPING

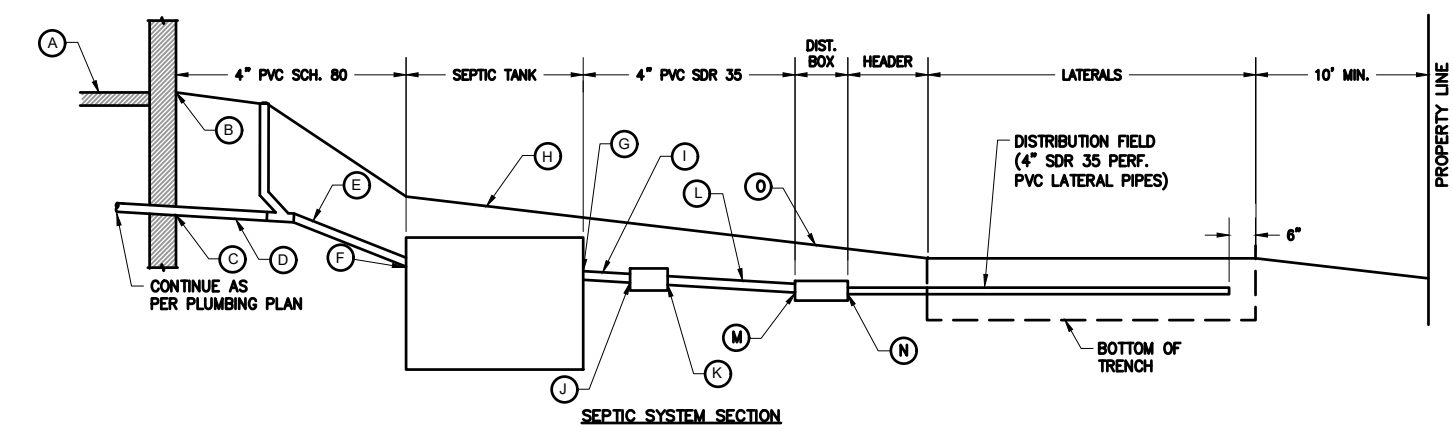


5 DETAIL - NYS INTERNATIONAL SYMBOL OF ACCESSIBILITY

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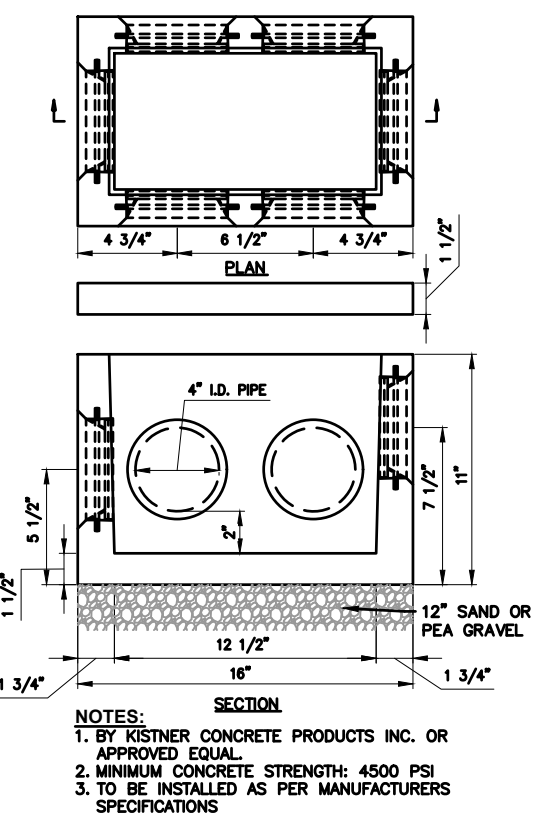
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DESIGN CALCULATIONS:
 NOTE: SEE SITE PLANS FOR SYSTEM LAYOUT/LOCATION.
 DESIGN FLOW = 660 GPD (BASED ON 220 SEATS @ 3 GPD/SEAT)
 PERCOLATION RATE = 18 MINUTES
 APPLICATION RATE = 0.7 GPD/SF (RATE DETERMINED FROM THE DESIGN STANDARDS FOR WASTEWATER TREATMENT WORKS TABLE 10 (NYSDEC)) FOR PERCOLATION RATE OF 18 MINUTES PER INCH.
 THREE SECTION DESIGN: 50% OF DESIGN FLOW PER SECTION = 660 GPD/2 = 330 GPD
 REQUIRED ABSORPTION TRENCH AREA = 330 GPD/0.7 GPD/SF = 470 SF
 REQUIRED LATERAL LENGTH = 470 SF/2 = 235 LF @ 80 FT EACH = 240 LF
 LATERALS PROVIDED PER DESIGN = (3) LATERALS AT 80 FT EACH = 240 LF
 REQUIRED SEPTIC TANK SIZE = 1.5 x 660 = 990
 SIZE PROVIDED PER DESIGN = 1,200 GALLONS

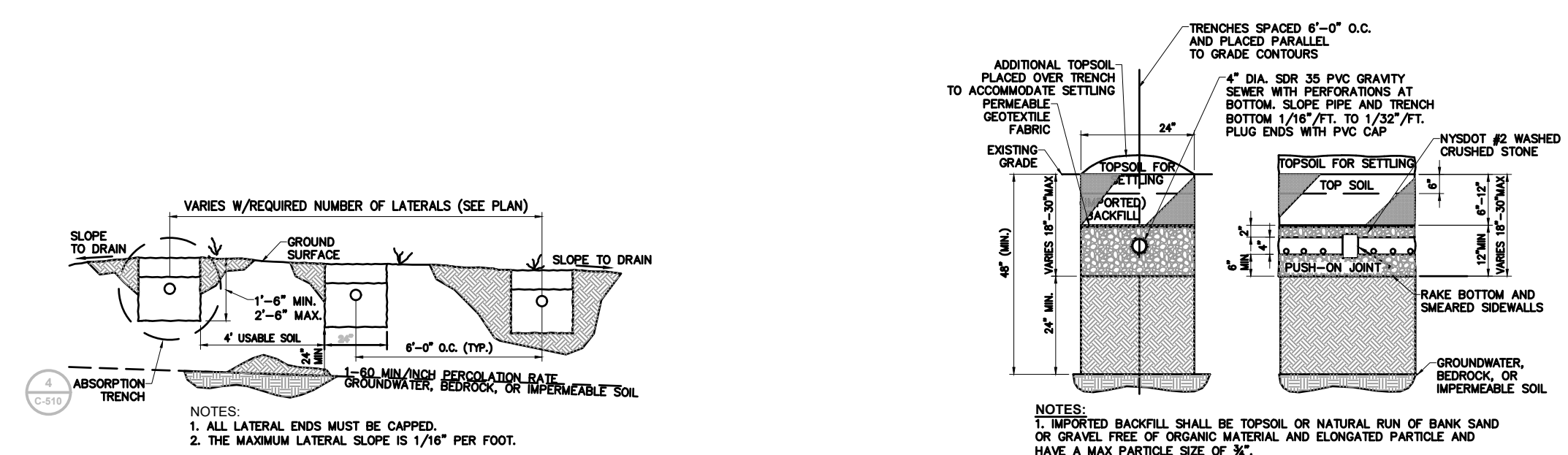
ITEM - DESCRIPTION	PROPOSED SEPTIC SYSTEM DESIGN INFORMATION		
A) PROPOSED F.F. ELEVATION	316.40		
B) GROUND ELEVATION @ INV. OUT OF BLDG	315.90		
C) INV. OUT OF BUILDING	311.50		
D) LENGTH AND SLOPE (TO CLEANOUT)	5 LF @ 1.0%		
E) LENGTH AND SLOPE (AFTER CLEANOUT)	20 LF @ 1.0%		
F) INV. IN @ SEPTIC TANK	310.85		
G) INV. OUT @ SEPTIC TANK	310.60		
H) GROUND ELEVATION ABOVE SEPTIC TANK	313.00		
I) LENGTH AND SLOPE (TANK TO VALVE BOX)	5 LF @ 3.0%		
J) INV. IN VALVE BOX	310.45		
K) INV. OUT VALVE BOX	310.35		
	FIELD 1	FIELD 2	FIELD 3
L) LENGTH AND SLOPE (TANK TO D-BOX)	26 LF @ 4.2%	45 LF @ 4.7%	64 LF @ 4.8%
M) INV. OUT D-BOX	309.25	308.25	307.25
N) INV. OUT D-BOX	309.00	308.00	307.00
O) GROUND ELEVATION ABOVE D-BOX	311.00	310.00	309.00

1 SEPTIC SYSTEM CROSS SECTION



NOTES:
 1. BY BESTER CONCRETE PRODUCTS INC. OR APPROVED EQUAL.
 2. MINIMUM CONCRETE STRENGTH: 4000 PSI
 3. TO BE INSTALLED AS PER MANUFACTURERS SPECIFICATIONS

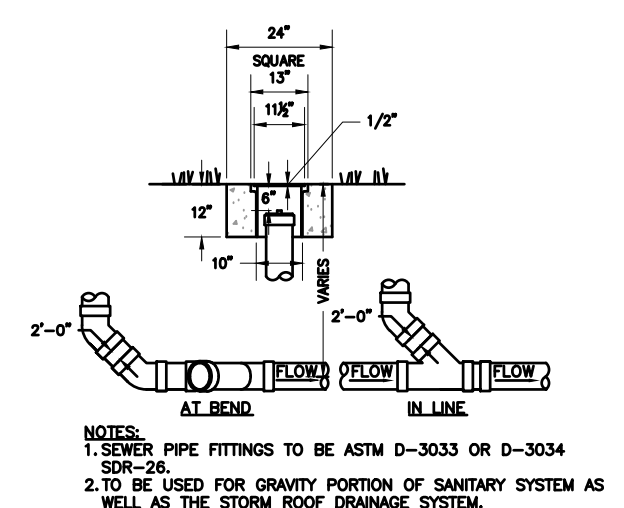
2 5 OUTLET DISTRIBUTION BOX



NOTES:
 1. IMPORTED BACKFILL SHALL BE TOPSOIL OR NATURAL RUN OF BANK SAND OR GRAVEL FREE OF ORGANIC MATERIAL AND ELONGATED PARTICLES AND HAVE A MAX PARTICLE SIZE OF 3".
 2. ALL LATERAL ENDS MUST BE CAPPED.
 3. THE MAXIMUM LATERAL SLOPE IS 1/16" PER FOOT.

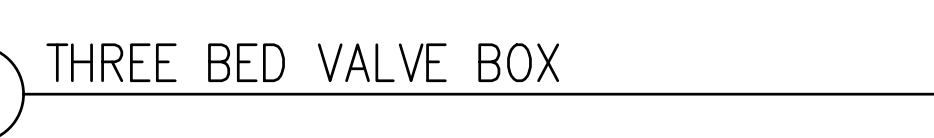
2 ABSORPTION TRENCH SECTION LAYOUT

3 ABSORPTION TRENCH DETAIL



NOTES:
 1. SEWER PIPE FITTINGS TO BE ASTM D-3033 OR D-3034 20#-26.
 2. TO BE USED FOR GRAVITY PORTION OF SANITARY SYSTEM AS WELL AS THE STORM ROOF DRAINAGE SYSTEM.

4 SANITARY SEWER CLEANOUT



5 THREE BED VALVE BOX

6 CONCRETE SEPTIC TANK

STANDARD NOTES FOR NON-RESIDENTIAL SEWAGE:

THE DESIGN, CONSTRUCTION AND INSTALLATION SHALL BE IN ACCORDANCE WITH THIS PLAN AND GENERALLY ACCEPTED STANDARDS IN EFFECT AT THE TIME OF CONSTRUCTION WHICH INCLUDE:
 NEW YORK STATE DESIGN STANDARDS FOR INTERMEDIATE SIZED WASTEWATER TREATMENT SYSTEMS, (TEN STATES).
 *APPROVED WASTE TREATMENT-INDIVIDUAL HOUSEHOLD SYSTEMS, NEW YORK STATE SANITARY CODE.
 RECOMMENDED STANDARDS FOR SEWAGE TREATMENT WORKS, (TEN STATES).
 RECOMMENDED STANDARDS FOR WATER WORKS, (TEN STATES).
 NEW YORK STATE DEPARTMENT OF HEALTH AND ORANGE COUNTY ENVIRONMENTAL HEALTH SERVICES DESIGN PROCEDURES AND STANDARDS.
 ORANGE COUNTY AND NEW YORK STATE SANITARY CODES.
 NYSDEC SPEDES PERMIT.

MATERIALS NOTES:

- ENVELOPE MATERIAL
 1.1. WASHED GRAVEL OR CRUSHED STONE CONSISTING OF DURABLE MATERIAL 3/4 TO 1 1/2 INCHES IN DIA.
 2. PIPE MATERIALS
 2.1. DISTRIBUTION BOX TO ABSORPTION FIELD: 4 INCH DIA. SOLID P.V.C. DRESS PIPE WITH GASKETED JOINTS (IN ACCORDANCE WITH ASTM SPEC. 2865) LAID AT A MINIMUM SLOPE OF 1/8 INCH PER FOOT.
 2.2. ABSORPTION FIELDS: P.V.C. PERFORATED - TIGHT JOINT FITTINGS, INSIDE DIAMETER OF 4 INCHES INSTALLED LEVEL.
 3. DISTRIBUTION BOX
 3.1. CONCRETE FORT MILLER NO. 2 OR EQUAL WITH LEVEL LEADERS. (SIZE PER PLAN & DETAILS)
 4. ACCESS EXTENSION
 4.1. 2'-0" L. X 4" HIGH CONCRETE WITH STANDARD LD. FORT MILLER OR EQUAL.
 5. ENVELOPE COVER
 5.1. UNLIMITED BUILDING PAPER (TARPAPEL, POLYETHYLENE, ETC. ARE NOT ACCEPTABLE).

TESTING GRAVITY SEWER SYSTEM:

- CONTRACTOR SHALL INSPECT AND TEST THE INSTALLATIONS AS REQUIRED BY THE AUTHORITY HAVING JURISDICTION WHEN WORK IS READY FOR TESTING. AFTER ALL TESTS HAVE BEEN PERFORMED, EVIDENCE OF COMPLIANCE SHALL BE FORWARDED TO OWNER/ENGINEER AND THE AUTHORITY HAVING JURISDICTION PRIOR TO ACCEPTANCE.
 IF SHALL BE DEMONSTRATED BY THE CONTRACTOR TO THE INSPECTOR INSPECTOR AND/OR DESIGN PROFESSIONAL THAT THE TANK IS SEALED, WATERTIGHT AND EXFILTRATION OF ALL SANITARY SEWER AND RELATED SYSTEMS SHALL BE EXCEEDED 0.50 GAL/INCH OF INTERNAL PIPE DIAMETER PER 1000' OF PIPELINE PER HOUR WITH A MINIMUM SLOPE OF 1/8 INCH PER FOOT.
 2.1. DISTRIBUTION BOX TO ABSORPTION FIELD: 4 INCH DIA. SOLID P.V.C. DRESS PIPE WITH GASKETED JOINTS (IN ACCORDANCE WITH ASTM SPEC. 2865) LAID AT A MINIMUM SLOPE OF 1/8 INCH PER FOOT.
 2.2. ABSORPTION FIELDS: P.V.C. PERFORATED - TIGHT JOINT FITTINGS, INSIDE DIAMETER OF 4 INCHES INSTALLED LEVEL.
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 4. ACCESS EXTENSION
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 5. ENVELOPE COVER
 5.1. UNLIMITED BUILDING PAPER (TARPAPEL, POLYETHYLENE, ETC. ARE NOT ACCEPTABLE).
 6. INFILTRATION LEAKAGE TESTS SHALL BE RUN ON EACH SINGLE MANHOLE-TO-MANHOLE SECTION OF EACH SECTION UNDER TEST. EACH TEST SHALL INCLUDE ALL PIPE AND FITTINGS BETWEEN THE TWO MANHOLES PLUS THE UPSTREAM MANHOLE.
 7. EACH MANHOLE-TO-MANHOLE SECTION SHALL BE SELECTED OR ACCEPTED BASED ONLY ON RESULTS OF ITS OWN INDEPENDENT TEST AND NOT ON RESULTS OF ANY OTHER TEST RUN SIMULTANEOUSLY OVER MORE THAN ONE CONSECUTIVE MANHOLE-TO-MANHOLE SECTION. THE ONLY EXCEPTION ALLOWED ACCEPTING SEVERAL CONSECUTIVE MANHOLE-TO-MANHOLE SECTIONS BASED ON ONE COMBINED INFILTRATION TEST INDICATING ZERO INFILTRATION.
 8. INFILTRATION TESTS SHALL BE MADE BY INSTALLING A FLOW MEASURING DEVICE IN THE DOWNSTREAM MANHOLE OF SECTION BEING TESTED. TEST DURATION SHALL BE 24 HRS. OR FOR SHORTER PERIOD, PROVIDE A STEADY STATE FLOW CONDITION HAS BEEN ACHIEVED IN THE TEST PERIOD AND RESULTS PROCESSED TO A 24 HR PERIOD.
 9. INFILTRATION TESTS SHALL BE MADE BY MEASURING THE DROP IN WATER LEVEL IN THE UPSTREAM MANHOLE 24 HRS AFTER INITIAL WATER LEVEL IS RECORDED. INITIAL WATER LEVEL IN THE UPSTREAM MANHOLE SHALL BE 2 FEET HIGHER THAN EITHER THE TOP OF PIPE OR GROUNDWATER ELEVATION AT THE DOWNSTREAM MANHOLE. ANY MANHOLE-TO-MANHOLE SECTION UNDERGOING AN INFILTRATION TEST MUST HAVE THE NEXT ADJACENT SECTIONS, BOTH UPSTREAM AND DOWNSTREAM, OPEN AND NOT UNDER TEST. THIS PROCEDURE MINIMIZES HYDROSTATIC PRESSURE PLACED ON STOPPERS, PIPES AND END JOBS.
 10. AN AIR TEST SHALL NOT BE RUN UNTIL SECTION OF LINE TO BE TESTED HAS BEEN CLEANED OF ALL RESIDUAL MATERIAL. SECTION TO BE TESTED SHALL BE VISUALLY INSPECTED AND APPROVED BY THE ENGINEER. CERTAIN PIPE MATERIALS PRODUCE MORE CONSISTENT RESULTS WITH INFLUX OF PIPE IS RETIED PRIOR TO TESTING.
 11. WHERE AIR-TESTING IS TO BE USED FOR LINE ACCEPTANCE, CORROSIORATIVE HYDROSTATIC TESTING SHALL BE PERFORMED ON SEWER INSTALLATION OF THE SAME PIPE SIZE, MATERIAL, AND CONDITION. INSTALLATION UNDER TEST SHALL INDICATE RATES OF AIR LOSS PER UNIT OF SURFACE AREA WHICH MOST QUANTITATIVELY APPROXIMATE AIR LOSS PER UNIT OF SURFACE AREA WHICH WOULD BE EXPECTED FOR CORROSIORATIVE AIR-TESTING. AIR-TESTING SHALL BE CONDUCTED FOR THE PURPOSE OF THESE CORROSIORATIVE TESTS IS TO PERMIT A REASONABLE ASSUMPTION THAT, IF THERE IS TEST SECTION INDICATING AIR LOSS, THE BALANCE OF PROBLEMS ALSO EXISTS OR EXISTS THESE REQUIREMENTS. IF AIR TEST IS NOT SUPPORTED BY ACCEPTABLE CORROSIORATIVE HYDROSTATIC TESTS, COMPLETE HYDROSTATIC TESTING OF SEWER LINES SHALL BE REQUIRED.
 12. WHERE FLEXIBLE PIPE IS USED, CONTRACTOR SHALL TEST ALL MANHOLE PIPE FOR MANHOLE ALLOWABLE DEFLECTION. DEFLECTION TESTS SHALL BE CONDUCTED USING APPROVED TEST PROCEDURES. ACCEPTED PROCEDURES SHALL BE SELECTED FOR INFILTRATION AND AIR-TESTING. AIR-TESTING SHALL BE CONDUCTED FOR THE PURPOSE OF THESE CORROSIORATIVE TESTS IS TO PERMIT A REASONABLE ASSUMPTION THAT, IF THERE IS TEST SECTION INDICATING AIR LOSS, THE BALANCE OF PROBLEMS ALSO EXISTS OR EXISTS THESE REQUIREMENTS. IF AIR TEST IS NOT SUPPORTED BY ACCEPTABLE CORROSIORATIVE HYDROSTATIC TESTS, COMPLETE HYDROSTATIC TESTING OF SEWER LINES SHALL BE REQUIRED.
 13. SEWERS SHALL BE LAID WITH STRAIGHT ALIGNMENT BETWEEN MANHOLES. STRAIGHT ALIGNMENT SHALL BE CHECKED EITHER USING A LASER BEAM OR LAMPING. TESTING SHALL COMPLY WITH REQUIREMENTS OF THE AUTHORITY HAVING JURISDICTION.
 14. MANHOLES WHICH CANNOT BE PROPERLY AIR TESTED, SHOULD BE VISUALLY INSPECTED AND LEAKAGE-TESTED USING INTERNAL OR EXTERNAL HYDROSTATIC PRESSURE. LEAKAGE TESTING SHALL COMPLY WITH REQUIREMENTS OF THE AUTHORITY HAVING JURISDICTION.
 15. IN AREAS WHERE CONVENTIONAL TESTING IS IMPRACTICAL, (I.E. AREAS DESIGNATED BY ENGINEER WHERE EXISTING SERVICES ARE TIED INTO NEW LINE IMMEDIATELY AND ANY BLOCKAGE OR LEAKAGE IN HEALTH PRELUDE) NO TEST SHALL BE BACKFILLED UNTIL EACH PIPE SECTION AND CONNECTION IS INSPECTED AND APPROVED.
 16. IN AREAS WHERE CONVENTIONAL TESTING IS IMPRACTICAL, (I.E. AREAS DESIGNATED BY ENGINEER WHERE EXISTING SERVICES ARE TIED INTO NEW LINE IMMEDIATELY AND ANY BLOCKAGE OR LEAKAGE IN HEALTH PRELUDE) NO TEST SHALL BE BACKFILLED UNTIL EACH PIPE SECTION AND CONNECTION IS INSPECTED AND APPROVED.
 17. WATER SERVICES ARE CONSTRUCTED OF PRESSURE-RAISED PIPE AND INSTALLED WITH LESS THAN 18 INCHES VERTICAL SEPARATION FROM EXISTING OR PROPOSED WATER MAINS. EXISTING OR PROPOSED WATER MAINS SHALL BE BACKFILLED UNTIL EACH PIPE SECTION AND CONNECTION IS INSPECTED AND APPROVED.
 18. HYDROSTATIC ACCEPTANCE TESTS SHALL BE CONDUCTED AS SPECIFIED FOR TESTING WATER MAINS EXCEPT THAT TESTING MAY BE PERFORMED WITH THE PIPE SECTION PARTIALLY BACK-FILLED.
 19. IF THE ALLOWABLE RATE OF INFILTRATION, EXFILTRATION, OR AIR LEAKAGE IS EXCEEDED, THE CONTRACTOR SHALL LOCATE POINTS OF EXCESSIVE LEAKAGE AND CORRECT THEM. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL INSPECTIONS AS REQUIRED WITH THE TOWN OF NEWBURGH WATER DEPARTMENT.
 20. ALL WATER SERVICE LINES TWO (2) INCHES IN DIAMETER AND SMALLER SHALL BE TYPE K COPPER TUBING OR COPPER STOVE SHALL BE MUELLER H-1030N FOR 1/2 AND 1 INCH MUELLER H-1030N OR B-2000N FOR 1 1/2 AND 2 INCH SIZES. CURB VALVES SHALL BE MUELLER H-1030-2N FOR 1/2 AND 1 INCH AND MUELLER H-2000 FOR 1 1/2 AND 2 INCH SIZES. CURB BOXES SHALL BE MUELLER H-1030N FOR 1/2 AND 1 INCH AND MUELLER H-1030N FOR 1 1/2 AND 2 INCH SIZES.
 21. ALL HYDRANTS SHALL BE CLOW-EDDY F-2840 CONFORMING TO ANSA STANDARD C-302, LATEST REVISION. ALL HYDRANTS SHALL INCLUDE A 3/4 INCH MAIN VALVE OPENING, TWO 2 1/2 INCH DIAMETER NPT HOSE NOZZLES, ONE 1 INCH NPT STEAMER NOZZLE, A 3/4 INCH DIAMETER INLET CONNECTION AND A 1 1/2 INCH PENTAGON OPERATING NUT. ALL HYDRANTS SHALL OPEN LEFT (COUNTER-CLOCKWISE). HYDRANTS ON MAINS TO BE DEDICATED TO THE TOWN SHALL BE EQUIPPED YELLOW HYDRANTS LOCATED ON PRIVATE PROPERTY SHALL BE RED.
 22. THE WATER MAIN SHALL BE TESTED, DOWNGRADED AND FLUSHED IN ACCORDANCE WITH THE TOWN OF NEWBURGH REQUIREMENTS. ALL TESTING, DISINFESTION AND FLUSHING SHALL BE COORDINATED WITH THE TOWN OF NEWBURGH WATER DEPARTMENT. PRIOR TO FITTING THE WATER MAIN IN SERVICE SATISFACTORY SANITARY RESULTS FROM A CERTIFIED LAB MUST BE SUBMITTED TO THE TOWN OF NEWBURGH WATER DEPARTMENT. THE TEST SAMPLES MUST BE COLLECTED BY A REPRESENTATIVE OF THE TESTING LABORATORY AND WITNESSED BY THE WATER DEPARTMENT.
 23. THE FINAL LAYOUT OF THE PROPOSED WATER AND/OR SEWER CONNECTION, INCLUDING ALL MATERIALS, SIZE AND LOCATION OF SERVICE AND ALL APPURTENANCES, IS SUBJECT TO THE REVIEW AND APPROVAL OF THE TOWN OF NEWBURGH WATER AND/OR SEWER DEPARTMENT. NO PERMITS SHALL BE ISSUED FOR A WATER AND/OR SEWER CONNECTION UNTIL A FINAL LAYOUT IS APPROVED BY THE RESPECTIVE DEPARTMENT.

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 NO. 1371

CONSULTANT:

NOT FOR CONSTRUCTION
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DATE	DESCRIPTION
15 FEB 23	SUBMISSION TO TOWN
11 NOV 22	SUBMISSION TO TOWN
20 OCT 22	GPI CONCEPT FOR REVIEW
16 SEP 22	CONCEPT FOR REVIEW

OWNER:
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PROJECT TITLE:
NEWBURGH KINGDOM HALL OF JEHovah's WITNESSES
 33 OLD LITTLE BRITAIN RD
 NEWBURGH, NY 12550

SHEET TITLE:
SITE DETAILS & NOTES

PROJECT No. **37147**

SHEET No. **C-505**

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